

The Orangebox Book of Products

A diverse landscape of
product solutions for today's agile
collaborative workplace.



orangebox



Two fundamental assets within any organisation are its people and the technology they access. Both are changing more rapidly than at any time in history.

Orangebox has been tracking and responding to this change through the last decade. The Book of Products illustrates the diversity of our solutions, focused on today's collaborative shared workplace, where the partially used, static desk no longer predominates.

Advancing technologies and their swift adoption are upending traditional business models. Senior executives need to think strategically about how to adapt their organisations to this challenging new environment.

McKinsey Quarterly

We are entering one of the most exciting periods of change in the workplace. Fundamental to the success of any contemporary organisation is its ability to respond to change. Our landscape of inspirational Smartworking products focuses on

creating a work environment for
today and tomorrow,

whatever your changing needs.

The quotations, observations and insights used throughout this Book of Products are taken from the universally acclaimed ‘Boomers & Millennials’ report.

As reported by McKinsey, “It’s now abundantly clear for organisations both large and small that this revolution in technology, hardware and software driven by the culture of the Millennial generation, offers new potential that will require all of us to embrace flexibility and change in how we work and collaborate. Just five years ago, these changes didn’t exist.”

“Office technology is being redefined and the cards are being reshuffled. Companies are resetting their strategies by taking bold moves.

Behind the upheaval lie deep changes in personal computing that have been set in motion by the industry's most creative minds of the last thirty years - Steve Jobs and Apple.”

Financial Times

“We can't tell people not to use this technology at work. If we did, they'd continue to use it and we'd be in the dark about what they do.”

NBC Universal

‘Multitouch technology has become the de facto interface’.

Multitouch is becoming the norm and will prove to be one of the most disruptive technologies of the decade.’

Gartner

“Connected devices beyond the PC will increasingly come in a breathtaking number of shapes and sizes, tuned for a broad variety of communications, creative and consumption tasks.”

Ray Ozzie Microsoft CTO

“It's important that all of us do precisely what our competitors and customers will ultimately do: close our eyes and form a realistic picture of what a post-PC world might actually look like.”

Ray Ozzie Microsoft CTO

Over a decade ago, Orangebox first articulated the emergence of Third Space.





Today, Third Spaces are exploding within the workplace,
as agile work takes off.

“Buildings used to have a five to fifteen year life cycle. This is changing fundamentally.”

Previously, a building was for the long term.

Now it can't necessarily be, because,

five years is too long
into the future”.

Having practically been nursed via personal computers and mobile phones, Millennials don't see bright lines between work and personal, virtual and physical, sanctioned and prohibited.

It's not “would you approve this, boss?”
but “whatever gets the job done”.

Accenture

“Forget stories about tension and misunderstandings.

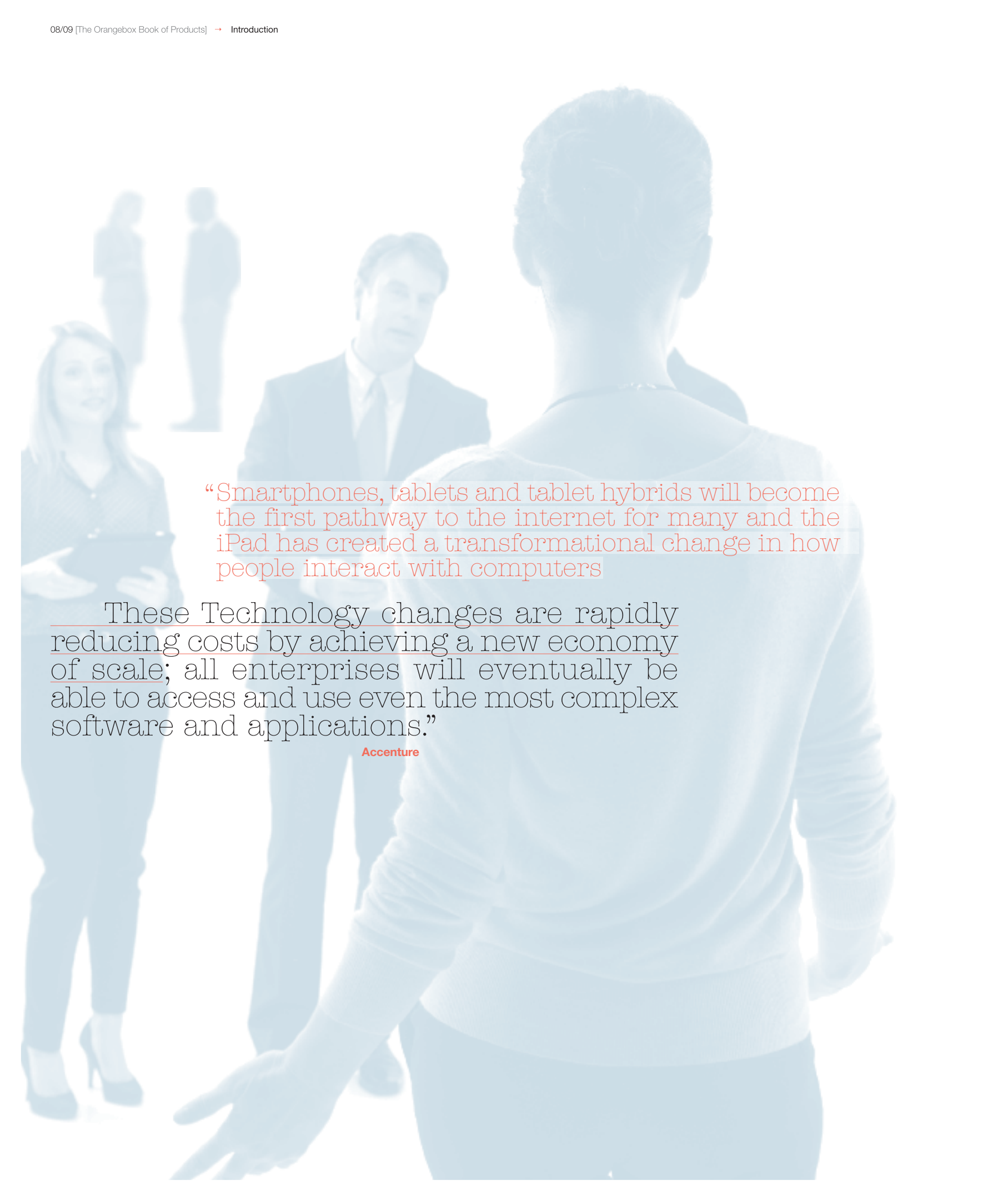
Millennials and Boomers are finding that they enjoy spending time together and learning from each other. **Ron Alsop**



“Like it or not,
the IT proliferation that has shaped
the personal lives of anyone under
30 has now spilled into the corporate world”.

Accenture





“Smartphones, tablets and tablet hybrids will become the first pathway to the internet for many and the iPad has created a transformational change in how people interact with computers

These Technology changes are rapidly reducing costs by achieving a new economy of scale; all enterprises will eventually be able to access and use even the most complex software and applications.”

Accenture



‘Open plan works on some level,
but people should either be given the choice
of public versus private or they
should be allowed to escape the
communal when
specific tasks demand it.’

“The workplace will be mobile and
social in nature,
so that communication moves beyond one-to-one
to many-to-many to capture the power of social networking.”

Cisco



“This generation thinks in hyperlinks.

If I give a student a 20-page case study, he complains that it's too long. Yet he has no problem with more than 1,000 pages worth of content that he can navigate through online.”

The Dean of Yale School of Management



A woman and a man are seated at a round wooden table in a bright, modern office environment. The woman, on the left, is leaning forward with her hands clasped, looking at a tablet. The man, on the right, is also looking at a tablet. On the table are two tablets, a notebook, a glass of water, a bottle of water, and a coffee pot. The background is a large window with a view of a city skyline.

‘Social networks have
become intertwined with
business networks.

One in four Millennials globally and four in five in China and India use social networking to investigate employers, superiors, clients and service providers.’

Accenture

“Thin-and-light mobile PC’s
with tablet-like features will
become mainstream;



pushing out some bulkier PC styles that have been the norm and connected devices beyond the PC will increasingly come in a breathtaking number of shapes and sizes, tuned for a broad variety of communication and creation tasks”.

“Makers of PC’s and consumer electronics are noticing the shift in consumer expectations. They’re incorporating features popularised by the iPad into their new technology products.”

Gartner

We believe great research is critical to realising innovative products that can inspire our clients to create inspirational workspaces - places aligned to meet tomorrow's workplace needs.

This research originates from the formation of Orangebox when we first published Office Wars, which predicted the emergence of Third Space. *A decade later, Third Spaces are exploding as agile work takes off.*

More recently with '**Boomers & Millennials**', we researched how the new global economy, changing workplace technology and younger generations seeing the world differently, has resulted in a '**perfect storm**', that will demand we see our workplace afresh.

Our research looks at the past as well as projecting forward by outlining the ten upcoming trends within '**Boomers & Millennials**' by the technology consultant, Philip Ross. Our research suggests these trends will impact on the design of our upcoming workspaces, **from 'real time real estate' to 'jelly bean working' to 'co-working'.**

“ Since the 1880s, the electric light bulb, elevator, telephone and typewriter have all shaped the office we still identify with today.

Yet we are now entering one of the most exciting periods of workplace change.

A workplace where we have been connecting furniture for over 130 years is rapidly changing into a workplace where we are now connecting people.

This game changing reality is central to our Smartworking portfolio. It underpins the diversity of product scenarios illustrated within this Orangebox Book of Products. ”

Gerard Taylor

Creative Director Orangebox



There is no doubt that technology is changing our society as well as the way we shop, work and enjoy leisure. The pace of change is unstoppable and I believe we are now at an inflexion point where future technology will fundamentally change the way we work and the physical spaces we create for work.

Here I've summarised ten predictions based on our research, our analyst's visits to the labs of leading technology players and our visions for future workspaces, developed with clients who are breaking new ground. **Philip Ross**

● Jelly Bean Working

Previously, we have tended to measure inputs and not outputs. Much is changing, with companies moving towards results-orientated management.

Rather than wondering where people are, Jelly Bean or corporate presence icons allow people to see their colleague's status in real time, on any device and in any application.

Jelly Bean working will be the bridge we've been waiting for, replacing observation with an automated way of connecting, communicating and collaborating across distance.

It replaces doubt with trust and dispels the 'out of sight' mentality that has prevented many companies and especially their middle managers from adopting flexible working.

● ABW(Activity Based Working)

People no longer inhabit their offices or corporate desks.

Extensive surveys have shown the phenomena of desks being used at best 50% at any one point in time. A new approach to the workplace is needed, which is based around teams and tasks and not departments and functions.

Activity Based Working is increasingly the future for agile organisations. To adopt ABW requires a fundamental rethink of the need for and provision of workspace. It demands a more detailed understanding of the workforce – by profiling and identifying discrete cohorts. The cost benefit is complex, but one of the clear winners will be a reduction in real estate overheads by as much as 30%.

● The end of the cable

Now the cable is dead, at least for voice and most data. People are used to wireless technology – indeed they rely on it.

The iPad has no Ethernet port, a smart phone synchronises with the cloud over wireless. The fears over performance, speed and security are now largely gone and people have embraced the flexibility and mobility that wireless technology brings.

● Connect don't commute

'Do we need to be in a central business district (CBD) in a world where we have ubiquitous connectivity, from broadband in the home to Wi-Fi on the high street?'

With transport networks at breaking point, alternative approaches to stagger use of the transport infrastructure are being sought. We predict the rise of polycentric working in the digital city, where people will increasingly look for places to work 'on the pause'.

● C-Work

The polar extremes of the office and the home as the main choices for work will change.

A growing number of entrants and some established players have launched professionally designed, quality co-working facilities that allow people from different employers to share workspace that provides effective spaces for agile workers.

Co-work will become the new normal, with people working away from traditional leased premises and instead sharing workspace that introduces the idea of provisioning work and offering people space on demand, where and when they need it.

● BYOC

The consumerisation of the workplace will become common place, as people are increasingly able to bring or buy their own computer – a trend known as BYOC.

Providing people with an annual budget or stipend to select their own 'device' will become the norm in an increasingly consumerised workplace where people want choice and the ability to express personal technology preferences.

BYOC goes hand in hand with 'internet-centric computing, the idea that all applications and data will be accessed through a browser and not through specialist software or locally stored files. Browser centricity means that people can work from any device, anywhere in the world.

● The death of the desk phone

Instead, make way for the converged or unified communications and collaboration (UCC) platform, accessible through any device.

People talking to people, emailing, messaging, sharing documents screen-to-screen, video conferencing and collaborating in real times spaces.

● Paper – less?

With the growth of BYOC and a 'browser-centric' world, along with the explosion of tablet devices such as the iPad, we now predict with some certainty the slow demise of paper.

While paper still has a huge intrinsic advantage, mobility and access from anywhere on any device will drive people to leave the analogue world and adopt 'digital flow' – as the advantages of choice and mobility outweigh the habit of the paper file by the desk.

We predict that Millennials will be the first generation to comfortably read and annotate on screen.

● The death of the desk

Millennials will not want a gonk or picture of their dog pinned to their office partition, that separates them from the next human a few centimeters away.

They want variety and spaces that provide them with a more eclectic, variegated workplace. Tomorrow's workplace will be a sea of choice – a landscape of workspaces that suit multiple activities and tasks, personalities and preferences. Surfaces for working on will replace the idea of a 'desk'.

● 'Real time real estate'

We believe that real estate will now become real time.

For example, energy use will be adjustable based on real time occupancy, enabling floors to be hibernated or a meeting room's air conditioning to be adjusted based on the actual number of occupants.

But a 'mash-up' is also predicted, between social networking systems such as Linked-In and real time building technologies such as radio frequency identification (RFID). Real time real estate will engineer the serendipitous encounters which can no longer be left to chance.

The demands of our new
‘always on, always visible’

workplace technology will require offices to become a softer more humane environment. Workers will have to be given the opportunity to disconnect, to be quiet – with the ability to think and reflect”.





Traditionally planned desking spaces

Agile & collaborative workspaces

This office layout illustrates both traditionally planned desking space, focused on the individual and their desk, as well as Smartworking agile and collaborative workspaces centred on teamwork, via shared work areas that facilitate diversity in group size and function scenarios.

These range from conference, to meetings and teaching, with adjacent, and easily accessible spaces to concentrate or relax.

collaborate | concentrate | communicate

Tables

- 01 Celo Tables
- 02 Pars Tables
- 03 Obvio Tables
- 04 Occasional Tables

break

Meeting Chairs

- 01 Calder
- 02 X10
- 03 Workday
- 04 Joy
- 05 Cors

Task Seating

- 01 Do
- 02 Ara
- 03 Joy

a more relaxed approach



Why Build Walls?

- P** Aireia Pods
- C** Cove
- B** Bay
- L** Linio

adjacent and diverse settings

The layout illustrated also offers over 125 shared desking options, via a mixture of fully enclosed, semi private or open plan configurations.

easy accessibility



design & plan | adapt | change | reconfigure

Traditionally planned desking spaces
Agile & collaborative workspaces

Within our new collaborative and shared workplace, the partially used desk can no longer remain the predominant centre. Our new technology tools increasingly allow us to work where we choose; not where we have to.

Our extensive landscape of diverse solutions deliver choice for this new environment.





The Orangebox Book of Products

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One solution does not fit all. Our landscape of solutions is designed to ensure you can plan for your own precise workplace needs.

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Obvio continued

Pars 150 (featuring classic Credenzas)



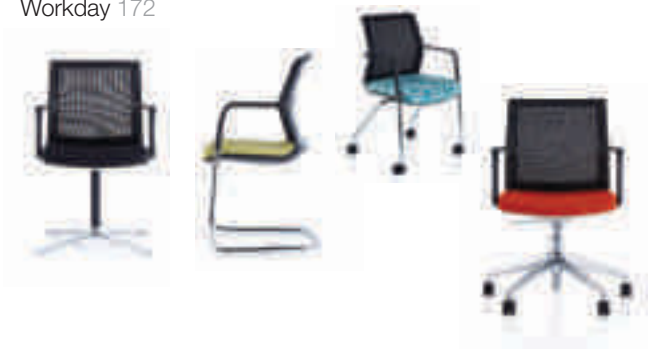
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Product Dimensions
Material Matters – Orangebox Environmental Statement
Seamless service, around the world
Orangebox Contact Details / Acknowledgments



Single Leg

XY frame



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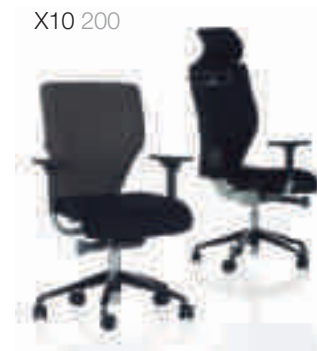
Joy Mesh 187



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Upholstery Landscape

Acre

Avi

Bligh & Fletcher

Border

Boundary

Cwtch Low

Cwtch High

Cwtch Media

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Pace

Path

Perimeter Low

Perimeter High

Reef

Spring

Tide

Peak

Tarn

Dean

Point

Gate

Track Work

Track Lounge

Vale



01.

Upholstery Landscape

34–89



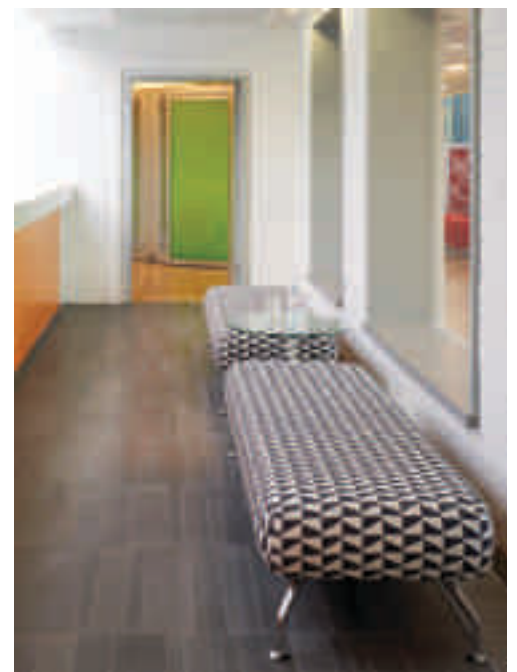
An elementary and classic bench unit, it can be used individually or linked with cast aluminium brackets into a circular connection table. Acre is used equally effectively within large reception atrium spaces and more compact break-out work areas.

Acre

“For Millennials, Facebook is the dominant means of communication, not e-mail”.

McKinsey Quarterly





Avi

One of the newest additions to the Smartworking landscape of upholstery products. The design reflects a core Orangebox belief, that a central component within the contemporary office is the need for great design, expressed with clarity and style.

The aim to achieve varying degrees of privacy in the open plan office, has resulted in two back options. Avi low or high can be used individually or combined. Either a wire frame or column and four-star base offers further design choice. With complementary occasional tables, all offered in our standard finishes.



The students we hire are used to having Wi-Fi networks and walking around campus with their backpacks, laptops and cell phones. **Cisco**



For companies,
knowledge workers are expensive assets,
earning a wage premium ranging
from 55 – 75% over workers who
perform more basic production and
transaction tasks. **Deloitte**





More companies are realising that
to compete for talent, they must satisfy the
millennial generation's demands

for tools such as instant messaging, social networking, blogs, wikis and corporate training podcasts. Some employers, however, still ban instant messages and videos from the workplace because of concerns about lower productivity and potential security and technical problems.

The Trophy Kids Grow Up





Millennials’ attitudes about security, loyalty, privacy, and work style are colliding with the policies and norms at many large companies.

That’s not wholly surprising, since the past decade of IT innovation, from Internet search to smart phones to social networks, has been embraced more aggressively by consumers than by companies.

The Trophy Kids Grow Up

Bligh & Fletcher

Bligh and Fletcher are light and easily movable upholstered stools. Bligh is a cube shape with elegantly rounded corners while Fletcher is cylindrical. Both are ideal for use in breakout areas and interactive learning spaces and their clarity of their form allows for more diversity of choice in the fabric mix, specified for use within one space.





Border

Border helps to create a café/meeting space effectively within multiple office locations, with an architectural presence that allows effective, clearly defined space division. Border is designed for both work and café height.





Boundary

Boundary is the double sided unit specified when mid floor furniture is required to achieve effective space division and provide dense and flexible multiple seating positions. The upholstered seating modules combine with an infill linking power module unit and small or medium rotating work tables.



“Globally more than 25% of Millennials express disappointment with the employer provided technology they use”. **Accenture**



Mobile technology has made each of us ‘pauseable’.
Our face-to-face conversations are
routinely interrupted by incoming
calls and text messages.

Sherry Turkle





Cwtch Low/High/Media

Cwtch is a distinctively elegant low or high back sofa solution designed to offer that essential private place within any busy workspace or public space. Cwtch creates exciting, workable sociable clusters and landscapes of soft seating that can be contrasting or coordinated aesthetically.

Cwtch presents a dynamic architectural statement or offers a soft, subtle blend in any work or public space. Cwtch is available as a relaxed sofa system, a beautifully intimate high back sofa or armchair. It can also be combined with a privacy infill upholstery panel, to allow for the integration of work surfaces and panel-mounted monitors.





The advent of interactive media such as instant messaging, text messaging, blogs, and especially multi-player games has generated new skills and styles of collaborating to such a degree that it has made Millennials markedly different.

United Nations



Cwtch Low/High/Media

Cloud computing is
a tool that can assist executive teams
in keeping costs down.

Corporate leaders are also using cloud computing to help them find innovative ways to move ahead in their markets and leapfrog competitors who are not taking advantage of Cloud's benefits. **IBM**





Cwtch Low/High/Media

The needs of the new types of knowledge work and the ability to access ever faster working data

is putting pressure on organisations to redefine the structures of control and accountability management.

Deloitte





As the workforce continues to age, by 2010 almost one in 3 will be at least 50, and knowledge and experience increasingly become value-added propositions.

Every organisation will be scrambling to create a reputation as an age-friendly workplace. **Rainmakerthinking Inc**

Drift

When used individually, as a pair or in larger groups, Drift defines waiting spaces or relaxed working areas in a workplace. Its design lends itself to specification in classic leather or as a more contemporary mix, with the cushion selected in a contrasting colour to the armchair body. Drift is available on either four legs or on a sled base with accompanying occasional table options.





Hay

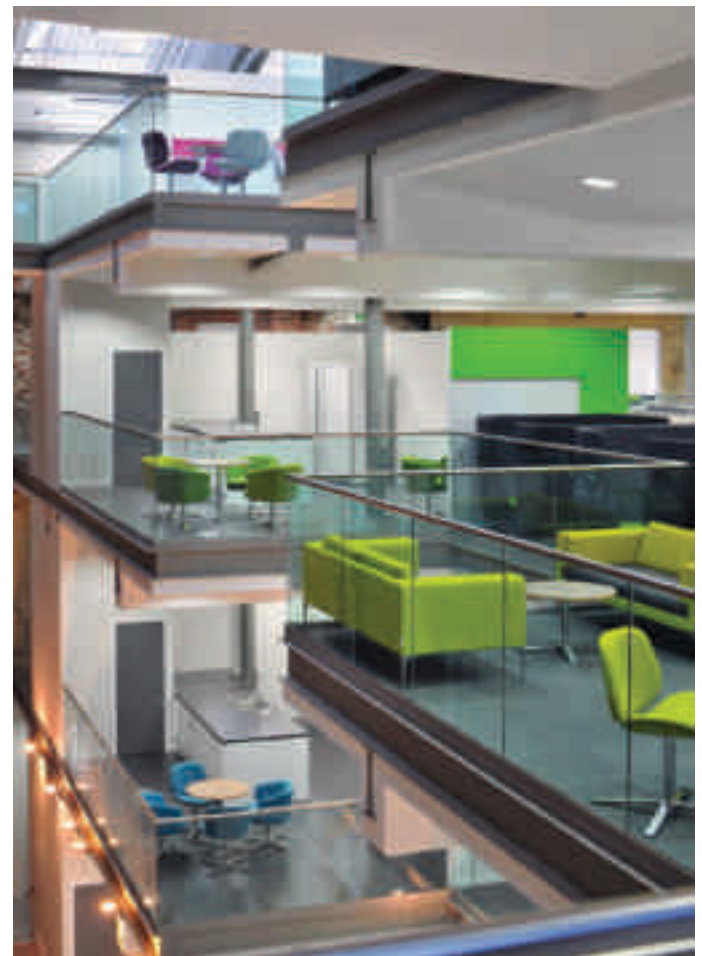
Used extensively within waiting, lounge or work areas, Hay offers an upright posture with comfortable arm support and as with other upholstered products, has a choice of two cast aluminium bases or a subtle steel wire base.



Companies with large numbers of Boomers must create a compelling value proposition for them and for what they regard as the most important elements:

- Flexibility
- Physical environments
- Workplace camaraderie
- Health care.

McKinsey Quarterly



Right now, roughly two experienced workers will leave the workforce for every one inexperienced worker who enters. **Rainmakerthinking Inc**

Ogmores

Ogmores has been a best seller for over a decade, no doubt due to its timeless, classic design. Perfect in classic leather and rarely specified in anything else, Ogmores complements Orangebox's more contemporary pieces and proves ideal when a more conservative attitude is required.







“Within any large organisation, there’s the incentive to reduce your costs, so if there’s a small investment in bring your own, some companies are already finding a saving of something like 25%”.

Pace

As with Track, Pace is available at both work and lounge height and the construction of Pace allows choice in specification as a single colour, a two-tone fabric combination.





Path



“In China, the workforce spends 34 hours per week on new communication tools, against 11 in the rest of the world”. **Accenture**

A classic Orangebox product that for over a decade has proved to be an invaluable component within diverse office environments. This is a tribute, perhaps to the clarity of Path's modular design and the flexibility of its seven principle units.



“It’s more about changing the culture. If you’re having
a meeting,
do you actually need four walls to deliver privacy,
or could you sit down in a quiet corner
and have a chat?”





Perimeter Low/High

A core upholstery system at the heart of the Smartworking landscape. Used universally throughout diverse environments, both within the office and the educational environment. A diversity of choices are available, with both low and high back units able to be configured for your precise function and planning needs.





Perimeter Low/High

“Most of us want to be together

and then maybe break off by ourselves to think. You can go home and do that, or to a café space or whatever, and sit with your laptop or mobile device”.

42% of Boomers project they will continue working after age 65 and 14% now say they don't think they will ever retire. **Harvard Business Review**







“They just have to get people together and work out new rules

because if you don’t do that, if you just stick with the old ways, then you’ll get mismatches”.





“Actually there is no difference between the younger and older generations,

except that the older generation feels less able to express themselves. The younger generation quite happily say I can't concentrate in this space, because they feel they have a right to be able to.

In fact, both groups need to and there's that requirement in terms of concentration space and collaborative space for everyone”.

Reef

Reef is a highly effective, practical free standing media unit designed to allow up to 6 users seated around the table. It includes convenient access to power and data, via a unit set into the worktop.

Any monitor of up to 37 inch can be fitted to the vertical panel for meeting and conference sharing presentations. Reef media units are designed with easy access to the interior via a hinged door on the side of the vertical unit.





Stools

Essential pieces within the Orangebox landscape, stools encourage a greater variety of seating positions throughout the workday by allowing people to sit and work at a more casual, relaxed café counter height. Our range of stools works equally well within open plan spaces, small coffee areas or larger restaurants.

Lock Bar (see Occasional Tables p131) – to meet in small and large groups or simply take a break.



Peak

The directness of its design means Peak works equally well as a simple showwood stool with upholstered pads or a fully upholstered shell with arms. Built around a steel rod frame, the structure includes a clever footrest at the front and back, adding structure and encouraging a more socially relaxed attitude.



Spring

An instant Orangebox best seller, due, perhaps to its design clarity. Its single cantilevered tube frame seamlessly connects the seat, floor and footrest. Spring has a natural give when seated, making the product extremely comfortable.



Tide

Tide's contoured showwood or upholstered seat is balanced on a thin metal structural frame that moves diagonally backwards and forwards, with an expressed intersection floating below the seat that achieves a design of refinement and clarity. Tide is designed to offer a firmer sit, in contrast to the movement of Spring.

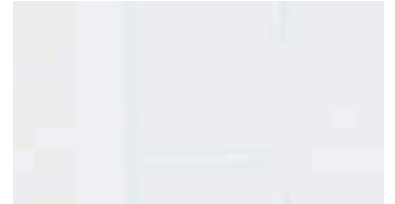


Tarn/Dean/Point/Gate

These classic Orangebox products can be combined, used individually or balanced with other Landscape products and all work effectively, in small or large groups.

“Tablets are walking through the back door, as employees bring their favourite devices to work and demand access to their corporate network.” **The New York Times**

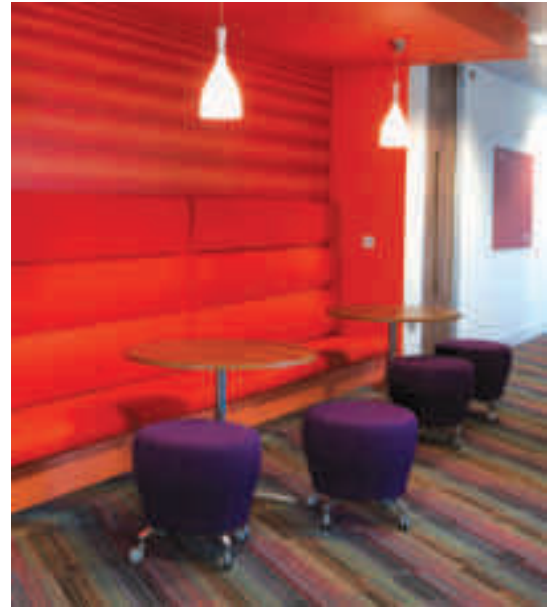




“Every time we do an utilisation survey... and we’ve done an awful lot of them, we find over 40% of our meeting rooms aren’t occupied”.

Tarn/Dean/Point/Gate

Classic Orangebox products which can be combined used individually or balanced with other Landscape product and all work effectively, in small or large groups.





Track Work/Track Lounge

These companion products offer work or reclined sitting, which can be specified with a low flat or higher inclined, cast aluminium base.



Track Work



Track Work



Track Lounge



Track Work

We found in a survey that 79% of people now feel they've got the right technology in the workplace and just over half now reckon they can work anywhere.

That's a big change from
five years ago. **Philip Ross**



Track Lounge

Vale

The Vale Sofa is a contemporary modular system that works as a large armchair, a sofa or combined to create dynamic layouts suitable for busy workspaces or public areas. Vale's elegant, refined presence comes from its slim seat cushion, which tucks discreetly underneath the arm, creating an understated, elegant signature.

When combined, intelligent linking allows a central, shared cast aluminium leg, which has height adjustable, non-marking glides fitted as standard and suitable for all floor types. Vale also comes with its own range of tables, available in three sizes and two top types in a variety of melamine and real wood veneer finishes.



Millennials have never lived without instant and fluid technology and view everything before their time as ‘legacy technology’, much as older generations now view first generation mobile phones and anyone who wants to use a fax machine. **The Trophy Kids Grow Up**



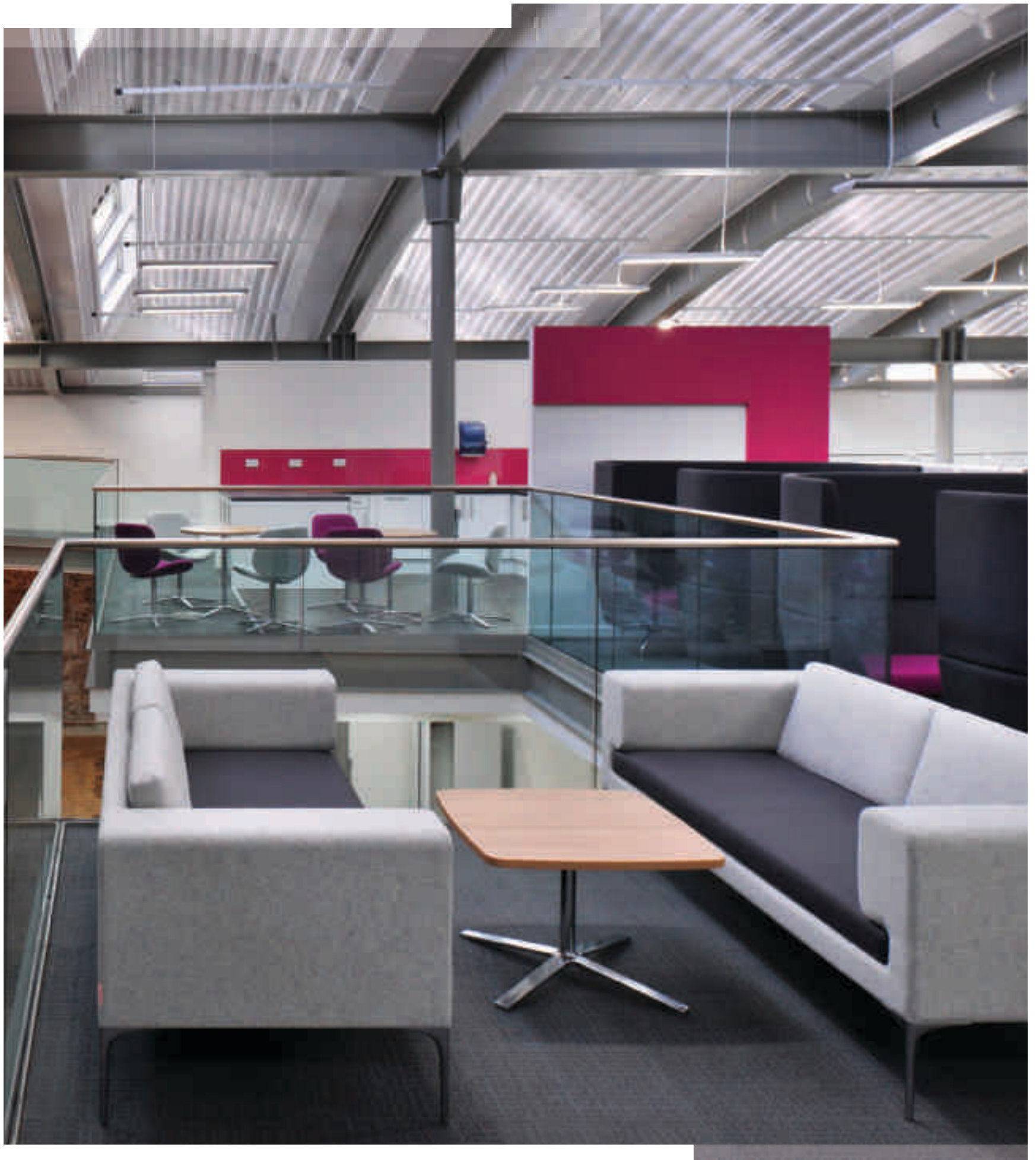




In emerging nations like China, India and Brazil, older workers are adopting new technologies at a rapid pace –

more quickly than Boomers in the United States, Canada and the United Kingdom. **Accenture**





Why Build Walls?

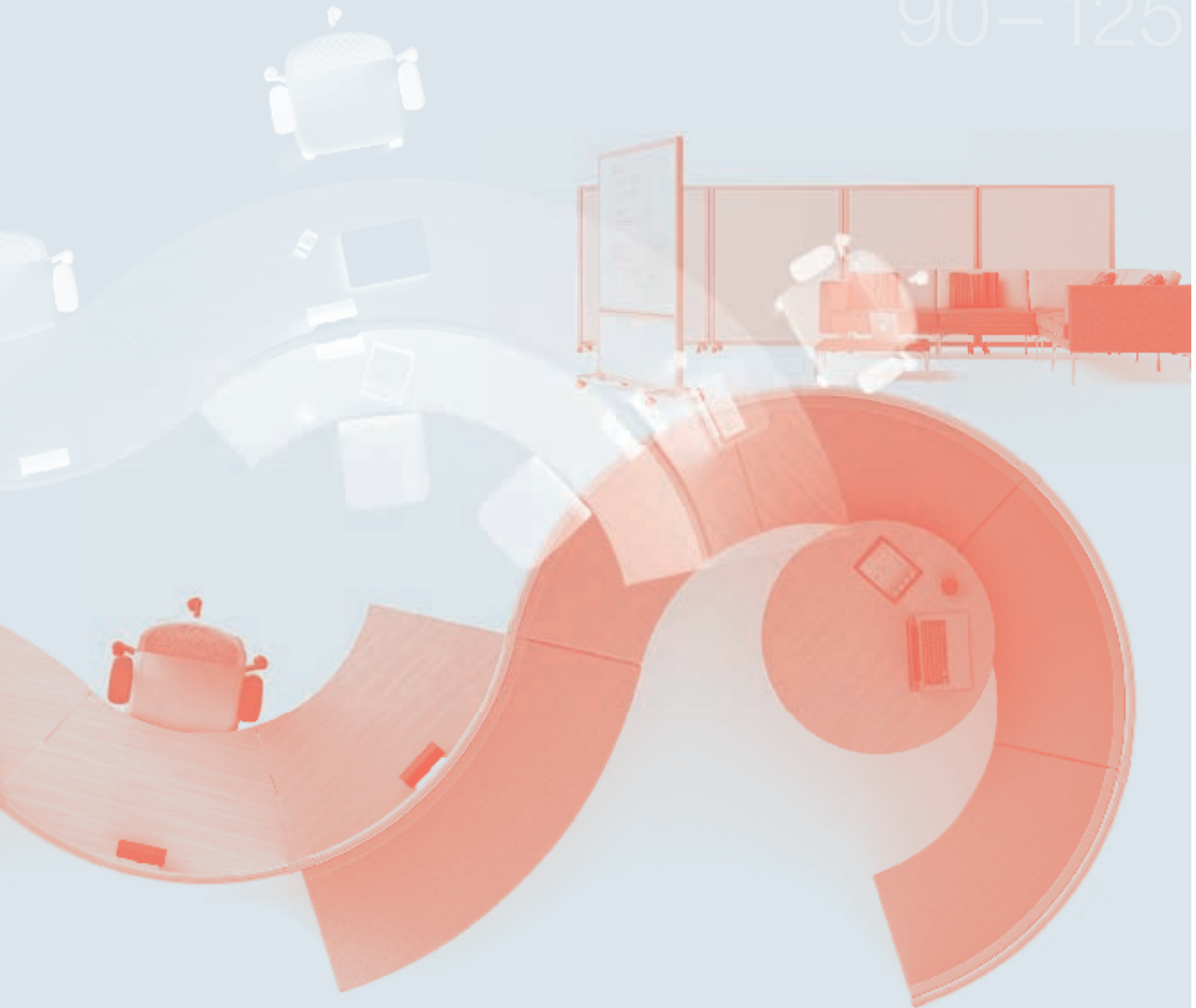
- Airea
- Cove
- Bay
- Linio



02.

Why Build Walls?

90–125





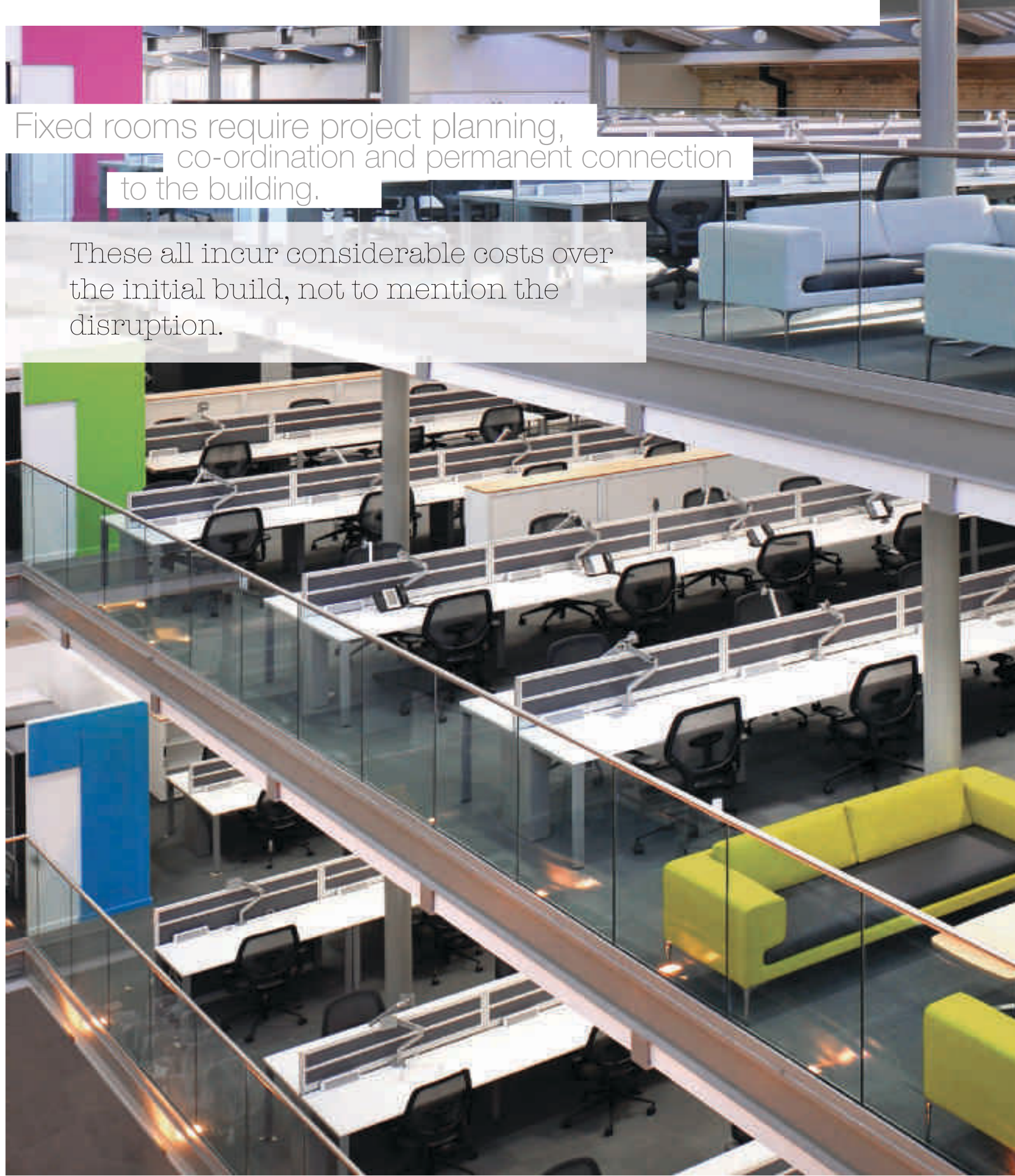
Flexible, interior architecture
...easy to move or change.

The background of the advertisement is a photograph of a modern office space. It features a curved glass wall that provides a view of a city street with historic buildings. Inside the office, there is a wooden desk and two black office chairs. The floor is made of large, light-colored tiles. The overall atmosphere is bright and professional.

airea

why build walls?

When you think about it logically, it makes no sense. Airea gives you the privacy where you need it, with the flexibility to change.

A high-angle, wide shot of a modern office interior. The space is multi-leveled, with glass railings and metal balustrades. The office desks are arranged in rows, with black ergonomic chairs. There are colorful partitions in shades of pink, green, and blue. In the foreground, there's a bright yellow sofa. The lighting is bright and even, highlighting the clean, minimalist design.

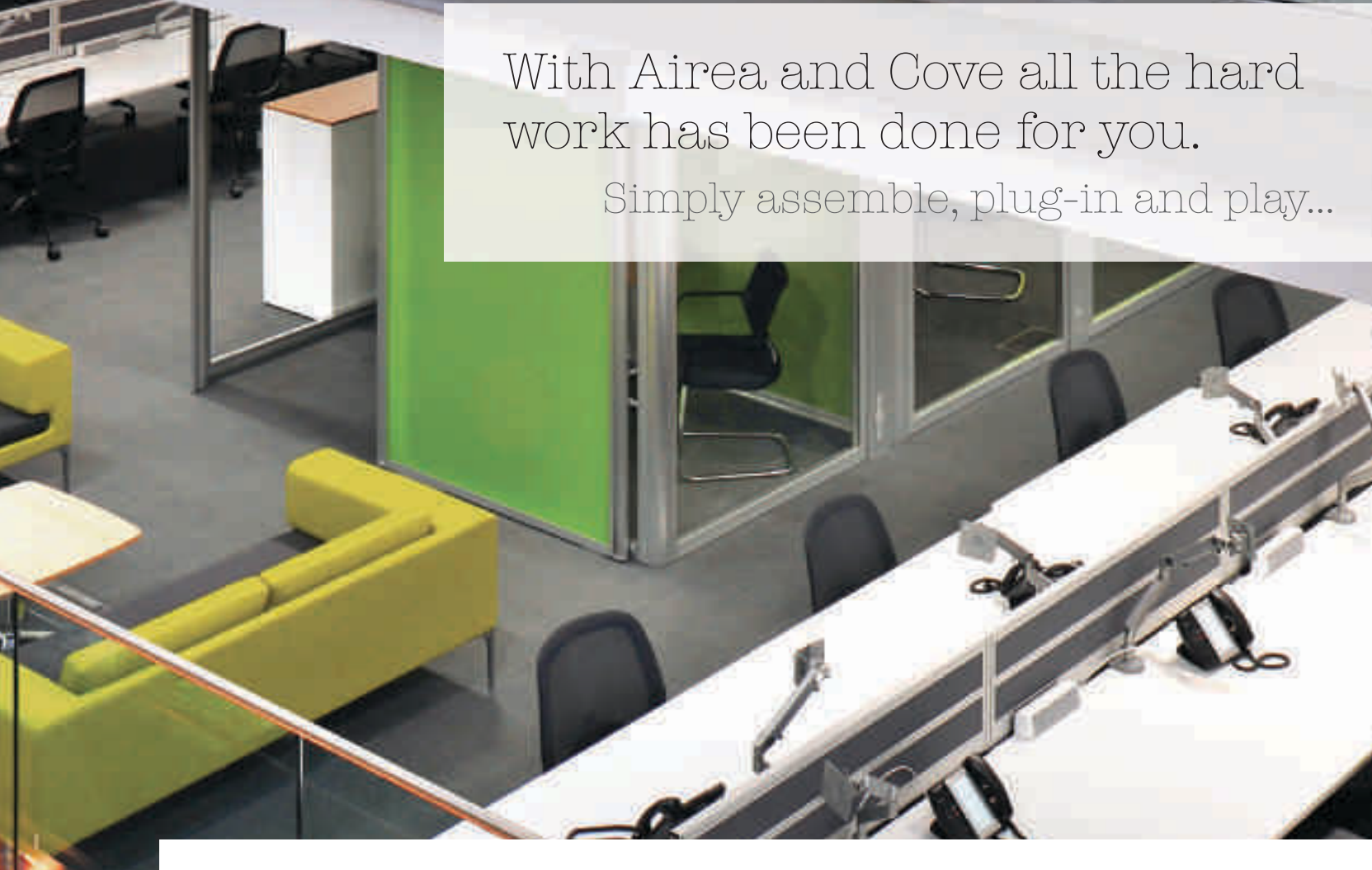
Fixed rooms require project planning,
co-ordination and permanent connection
to the building.

These all incur considerable costs over
the initial build, not to mention the
disruption.



With Airea and Cove all the hard
work has been done for you.

Simply assemble, plug-in and play...





7 screen options | 2 hoops | 8 roof options |
4 door options | 3 party walls

flexibility

Spanning over 25 options from a two person pod to an expansive presentation space.

work / think / meet / present

Flexible interior architectural solutions, untethered from the building. Simply move and change when you want, where you want.

Airea is the most cost effective solution against fixed partitioning.

Airea allows for dismantling and relocation, you can expand or reduce the size when you need to.

Airea pods are a true system solution, comprising of simple building blocks, all interchangeable to allow easy reconfiguration of any variation.



phonebooth 1



airea - 100



airea - 210



airea - 110



airea - 220



airea - 130



airea - 230



airea - 140



“Airea allows for break down and relocation, you can expand or reduce the size”.



ease of assembly

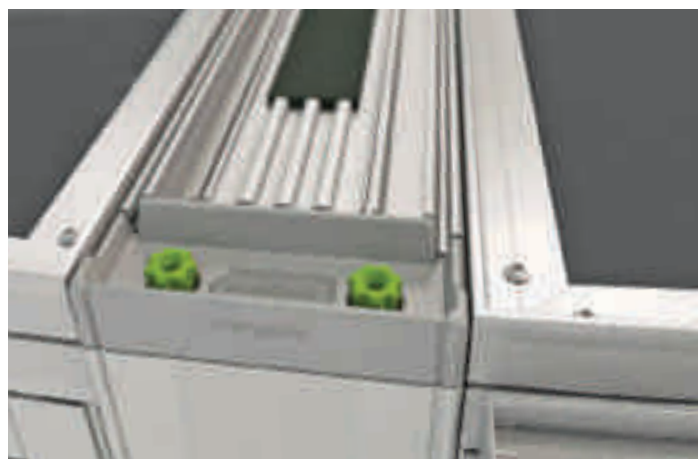
The pods consist of 4 primary elements, the hoop, screens, sliding or hinged door and roof panels.

The hoop contains all the technical and electrical services such as power, lighting and airflow. The screens and doors simply hook onto each other from the hoop and are finally locked into place by the roof panels.



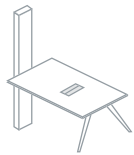
Through meticulous detailed design, on site assembly now requires just one tool and 90% of the system can be assembled by hand.

one tool / 2 people / one hour...



Colour coded finger screws makes assembly easy.

Presentation screens, interactive whiteboards and video conferencing equipment can be easily mounted to the inside of the pod.



Integrated media tables connect directly to the hoop with simple power, data and AV connectivity built in.



Screens can be mounted directly to the pod structure, allowing the cabling to be hidden.



Integrated seating can be installed within the pods by means of a simple hook and bolt system, maximising the interior space for meetings or collaboration.



LED lighting allows for high output with low energy consumption and a long lamp life.



Acoustic control is key within a busy workplace. The engineering intelligence of Airea means that noise is effectively reduced within the pods.

88dB privacy factor which is derived from an Airea acoustic rating of 28dB - based on real site testing of a fully assembled pod.

Precise engineering creates an effective **triple seal system** between screens.

Soft upholstery panels, acrylic panels and acoustic ceiling panels absorb and reflect sound to create a natural balance of sound within the pod.



Please refer to the Why Build Walls brochure for more details.





An optional fan which is located on top of the pod, provides fresh air directly into the pod and controls CO2 levels, even at full occupancy.

A specific combination of acoustic
materials absorb and dissipate speech inside the pods.



Acoustic levels are controlled between
rooms through a 'party wall' at only 100mm thick.

A user control panel in each individual workroom provides independent control over light levels and airflow.

Computer equipment can be connected

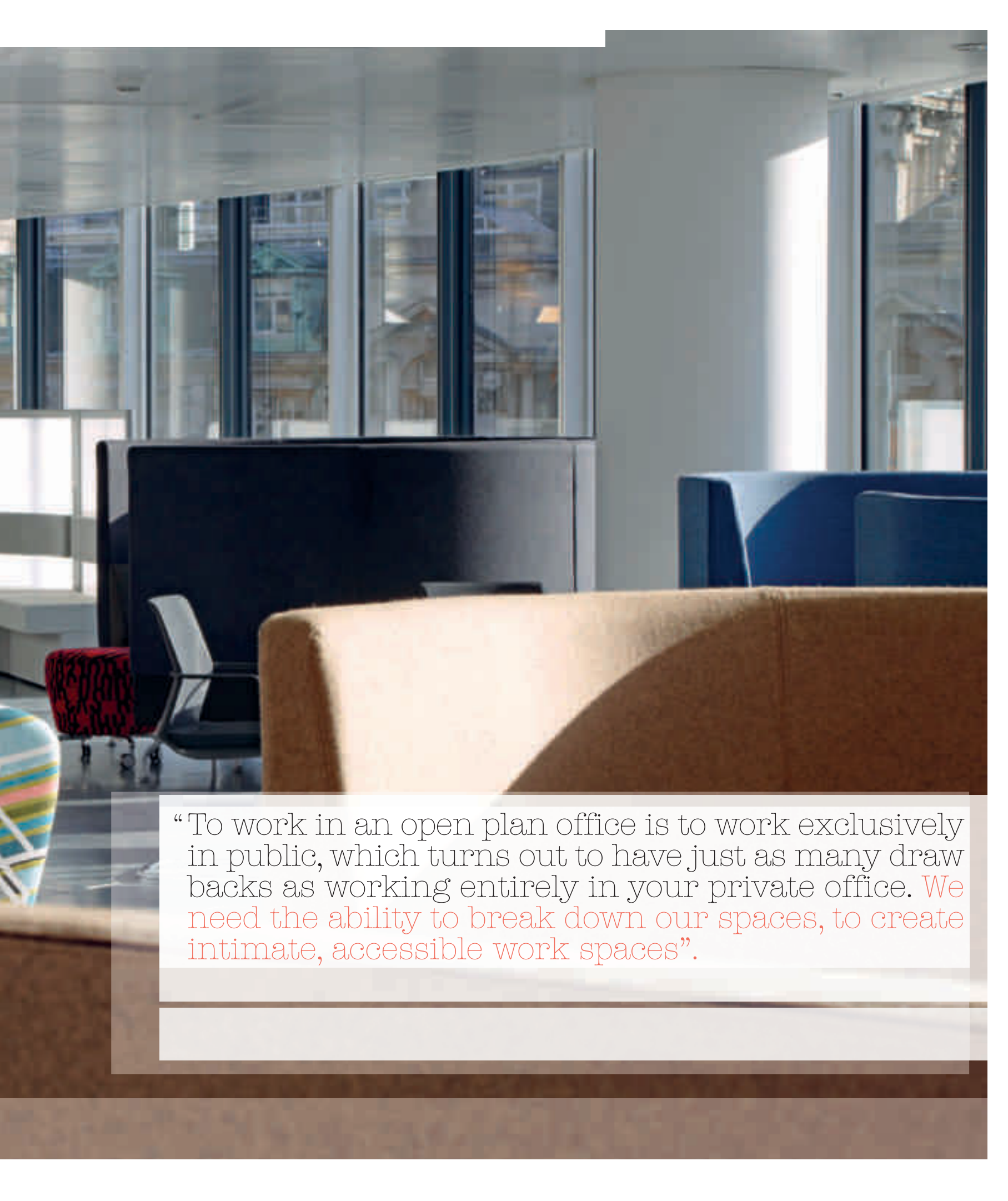
to the integrated power/data unit located in the pod service hoop.



joined workrooms

Airea party walls allow for rooms to be joined together back to back or in rows. The most difficult acoustic scenario in a workplace is two quiet rooms connected as you are more likely to hear 'next door' when the ambient sound is very low.



A photograph of a modern office interior. In the foreground, a large, curved, light brown sofa is partially visible. Behind it, a dark blue modular sofa and a black office chair with a red patterned seat are positioned. The background features large windows with dark frames, offering a view of a cityscape. The lighting is bright, suggesting daytime.

“To work in an open plan office is to work exclusively in public, which turns out to have just as many drawbacks as working entirely in your private office. We need the ability to break down our spaces, to create intimate, accessible work spaces”.

Cove

This flexible system of screens, seating and work surfaces can be configured into a vast array of function scenarios, offering expansive choice and flexibility.

The power of Cove is its ability to adapt, change and reconfigure on site easily to meet new workplace needs - with no dilapidation costs. Similarly with Airea, this means that with just one lifecycle move, 90% of the initial cost is saved.

So why build walls?



A modern office interior featuring a mobile workstation with a whiteboard, a monitor, and two ergonomic chairs. The workstation is positioned in front of large floor-to-ceiling windows that offer a view of a city skyline. The text "one system" is overlaid in the top right corner.

one system

move and expand

more flexibility, more diversity

combines work surfaces and seating with screening

a more relaxed approach

communicate

welcome oasis





seamless integration of power and data

collaborate

Cove offers a welcome oasis within the open plan workspace.

It's ideal for those times when you need a quick discussion with colleagues and you don't need to book a fully enclosed office, just an enclosed space with minimal distractions.

‘The first step in enabling mobility is to create a clear set of policies that will guide the IT strategy and employee expectations. Central to the strategy is the decision on how to treat personal devices’.

McKinsey



T0-70



COL-70



COL-30



control clutter and noise

easy accessible



TO-80



TO-30



BR-50



a more adaptable and flexible workspace

three work height options

absorbtion from cushions and backrest

hook and bolt system

bass trap to absorb lower speech frequencies

Move and expand as your needs vary.

Cove is site assembled by a simple 'hook and bolt' system, which enables a vast array of function scenarios to be created with ease and speed.

'Mobility is the new IT frontier, and the race is on to fully reap the potential benefits. To do so, CIOs will need to address challenges and concerns so that they can deliver a set of secure, reliable services in an environment of constant complexity and change'.

McKinsey



T0-40

Cove facilitates a more relaxed approach within the open plan workplace and contributes to making work environments less stressful.

Our need for more diverse function scenarios within the same space is expanding rapidly; whether a quick conversation with colleagues, a short period of concentrated personal work or taking a break. Flexible and mobile workplace technology allows these expanding 'third spaces' to become increasingly more productive.



“77% of CIOs we surveyed were planning to allow staff to use personal mobile devices to access company data and applications

30% said laptops could be replaced by tablets in the coming years”.

McKinsey



T0-60



BR-60

All the hard work is taken care of, simply plan your space and order.



ST-10



ST-20



ST-30

Installation can be carried out much closer to the end of a project, without the need for intensive shopfitting, disruption or project management.

concentrate

seamless integration of power and data



TO-10

work effectively

control clutter and noise

Cove creates easily accessible and adaptable workspaces, in addition to the private desk.

Offering these flexible spaces is increasingly critical within the collaborative workplace, where innovation and the exchange of ideas between colleagues are central to the success of any organisation.

“Social networking is a revolutionary technology which appeared with such speed that few businesses have been able to pro-actively stay ahead of developments, anticipating how this new technology could be made to work for them.

KPMG



TO-50

changing workday

soft vertical walls

increased surface areas of absorption

create adjacent and diverse settings



COL-10



COL-30



COM-10



COM-70

Cove allows more flexibility and diversity.

When you need to change or expand, simply break down and re-configure.
There's no need to buy new pieces and no dilapidation costs.

Create work areas that you don't own but allow you to be more effective
within the shared, collaborative and adaptable workplace.

One system can easily be reconfigured to create diverse work or
resource spaces which are designed to control the spread of
disruptive noise.

Upholstered screened spaces become a welcome oasis within
an open plan workspace, where fabric and colour can be used
to realise a more refined and stimulating environment.

easily configured café & kitchen spaces

diverse work top options

increased surface areas of absorbtion





control clutter and noise with resource spaces

seamless integration of power and data

speech trap through soft surfaces

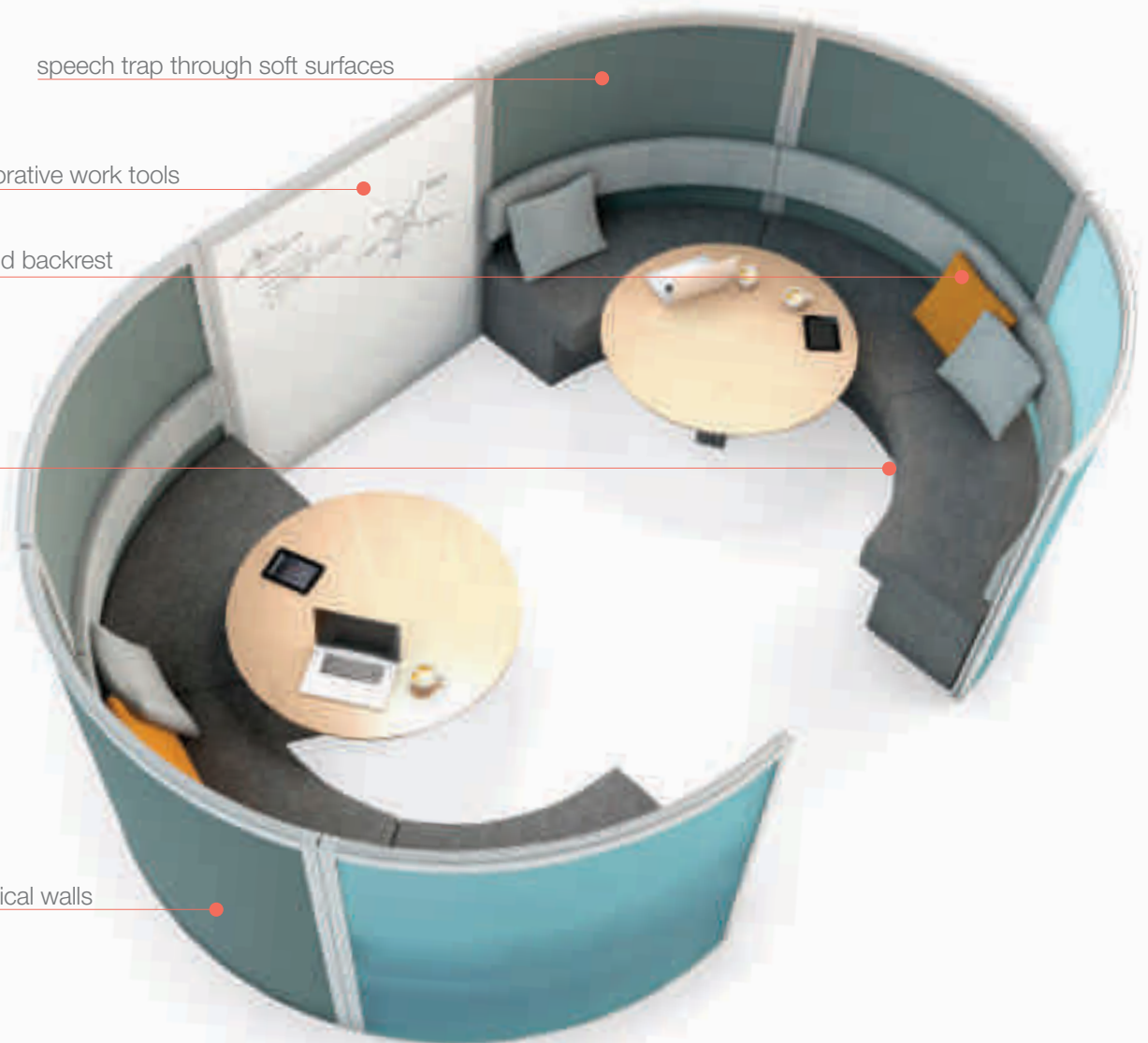
integrated collaborative work tools

absorbtion from cushions and backrest

bass trap to absorb lower
speech frequencies

hook and bolt system

soft vertical walls



Bay



3 height options available – 1270mm / 1570mm / 1870mm

A comprehensive range of screens, with upholstery and acrylic infills.

In a workplace that's constantly evolving, it's critical to generate flexible privacy through mobile screening. Bay offers a comprehensive range of screens with upholstery and acrylic infills, in 3 height options, creating varying privacy levels from seated to standing height.



“Greater access to e-mail and calendars, as well as voice, video, and messaging applications will enhance employee-to-employee communication. The chance to have spontaneous conversations, collaborations and impromptu meetings, is

a real boon to productivity”.

Linio

Intelligent design allows these screens to be assembled and configured easily.

This beautifully light screen provides an aesthetic solution when surrounding soft seating and tabling.

Linio matches and complements the Orangebox Perimeter seating system perfectly. Its anodised aluminium frames creates a coherence with Airea, Cove and Bay screens. An extensive choice of infills can be used to create a great balance of soft and hard surfaces, with opaque and translucent, effects and in a range of complementary colours.



This demographic shift can be either frightening or exhilarating, maybe a bit of both. But it can't be ignored. **McKinsey Quarterly**

1. Specially designed multi layer acoustic infills are designed to increase absorption and reduce reverberation, minimising speech travel within the workplace.

2. Power/data is integrated into the end post allowing you to 'plug-in and go'.

3. Simple push fit connectors allow screens to be linked easily and quickly

4. Two foot options; aluminium spreader foot or fixed plastic foot, allow you to cater for a range of different floorings.



1.



2.



3.



4.



Occasional Tables

Crest
Surf
Bluff
Lock Bar
Elan
Breaker
Dune



03.

Occasional Tables

126–137



crest

works perfectly when you need to create [elegant waiting areas](#).

A family of occasional tables designed with striking square lines. Built around a steel frame of real architectural quality and presence. Crest can be specified with either solid wood or glass tops to create a variety of choice which works perfectly when you need to create a strong, elegant statement within any reception or lounge space.



surf

can work as a low working table or as a side table between armchairs.

Surf's minimal design is focused on a solid aluminum leg, which is fixed onto a glass top. Surf functions as a low working table or as a side table between upholstery seating. Surf offers an attractive lightness of presence and works equally well as a small round table or as a larger, low working table, accommodating up to four people. Glass tops are available in various shapes and sizes.



“Managers have to let their guard down and get over the mindset that their employees need to be here at our corporate campus from nine to five”. **IBM**



bluff

is ideal as either a side table, or as a large feature table.

The tops are solid and available in the standard Orangebox finish options. Bluff has the finesse to work with a diverse range of seating products and the thin leg is particularly beneficial in more confined spaces.



“If everybody subscribed to better behaviour then you could actually have less desks, more meeting spaces, fewer parking spaces”.



lock bar

offers the option of café height working or taking a break.

Lock Bar is a central product within the Smartworking landscape and is an increasingly valued way to create a more relaxed atmosphere within an open plan workplace. Lock bar's design simplicity means it can be specified easily for both small groups and larger meeting, training or conference spaces and is easily combined with a variety of products.

elan

a contemporary table available at both work and occasional table heights.

The clean lines of the cast aluminum base combined with either a melamine wood or glass top, makes it a perfect product within a diversity of spaces. The same four star base is also offered over multiple landscape products, as illustrated throughout this brochure. The wire frame option is only available at occasional table height.



“3 Minutes is the average time before we are interrupted at work”.

Management Today







“Over the next 5 years, almost ½ of all CIOs expect to operate the majority of their applications and infrastructures via cloud technologies”.

Gartner

breaker

offered at both occasional or work heights breaker is a heavily specified archetype.

The simplicity of its round column and disc base design is offered in various finish combinations. Breaker works equally well as a small occasional table or larger work or meeting table and is often specified as both within the same area, to create a more coherent design scheme.





Power options available on 1000mm & 1200mm diameter tables.

dune

dune features a four-star cast aluminium base.

Offered as both meeting and occasional heights. Like Elan, this base design can also be specified on multiple upholstery products. Dune is a companion product to Elan and offers additional design choice, within any interior.



“ IBM offers ‘reverse mentoring’ and ‘speed mentoring’. Reverse mentoring pair’s new millennial employees with executives who want to hear about the Millennials’ experiences and learn from them”.

The Trophy Kids Grow Up



“Our industry (technology) is being redefined and the cards are being shuffled”.

Financial Times



Tables

Celo

Obvio

Pars



04.

Tables

138–163



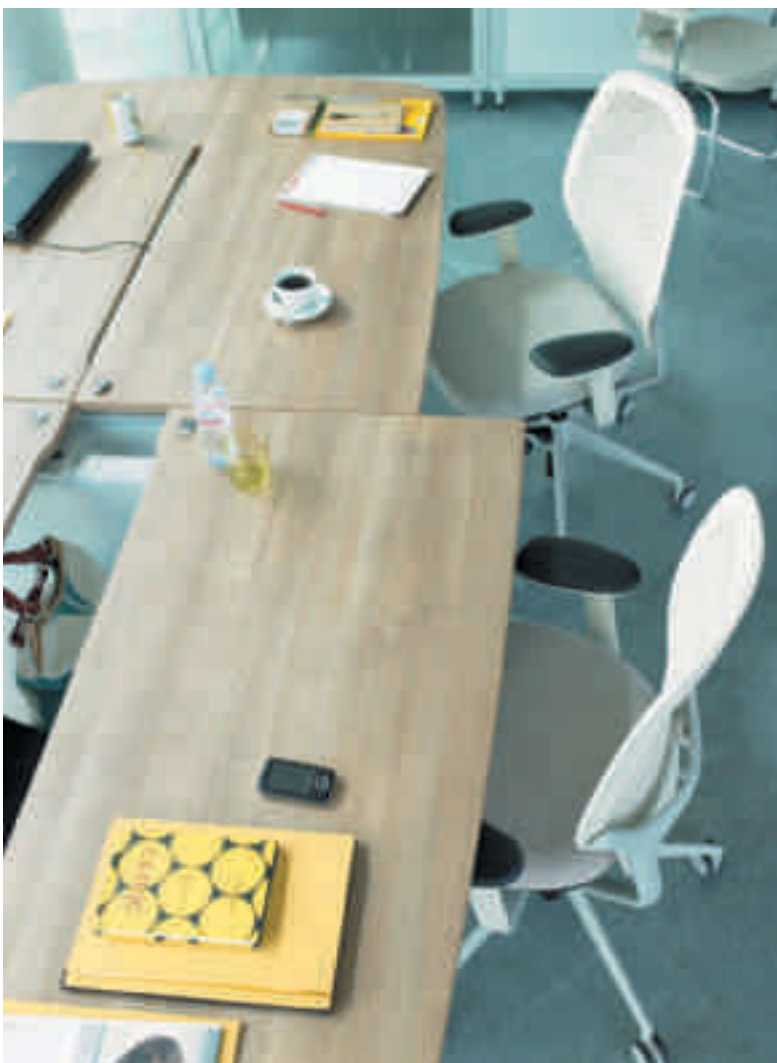
celo

Central to smartworking is the Celo collaborative work table.

Celo makes partially used desks obsolete and allows your organisation to work more effectively, within reduced real estate. It offers an ingenious solution to the need for work tables that are easily shared and provide accessible, secure storage. The storage bin under the Celo work table keeps business resources easily accessible and is big enough to house a laptop bag. It allows any confidential work to be put away discreetly and offers secure, individually lockable storage.



Celo work tables are flexible and can be configured for individual or group scenarios. They can also be specified with privacy screens in acrylic or fabric.



“By 2013 the mobile phone is projected to become the most common device for accessing the internet”. *Cisco*





obvio

allows you to adapt and change as
quickly as business changes.



“The traditional needs of teaching and conference tables have become increasingly more expansive and demanding”.



“PC manufacturers are noticing the shift in consumer’s expectations and they’re increasingly incorporating features popularized by the iPad into new products.”

Gartner

Obvio tables allow for individual use and small groups.

They can be reconfigured easily into larger, more diverse configurations and function layouts. The Obvio flip-top table range is available in a wide choice of sizes and finish options. All tables are built on a robust flip-top mechanism. This means that even with a 2400mm x 900mm top, Obvio still meets the rigorous demands of strength, stability and reconfiguration.

rectangular \ d-end \ trapezoid \ linking-arc

Linking Obvio tables together is seamless with the option of a standard link for square edge tables or a bridge link for chamfered edges. Varied top shapes and sizes allow you to make whatever configuration you require.



Bridge link (chamfered edge)



Standard link (square edge)



“These technology changes are rapidly reducing costs by achieving a new economy of scale; all enterprises will eventually be able to access and use even the most complex software and applications”.

Accenture



power and data are seamlessly integrated

Obvio's range and function offers tables the same design quality and finish as Pars. You can combine any of the Smartworking tables with confidence, knowing a consistent and unifying design language is shared across the ranges.



“Smartphones, tablets and tablet hybrids will become the first pathway to the internet for many and the iPad has created a transformational change in how people interact with computers”.



Varied top shapes and sizes allow you to make whatever configuration you require.

obvio

Sizes, finishes and options

choose top shape, size and finish

Melamine – *cherry, oak, walnut, maple, white* / Straight Grain Veneer – *cherry, oak, walnut, maple, beech*



Rectangular

1400mm x 700mm
1600mm x 800mm
1800mm x 900mm
2000mm x 900mm
2200mm x 900mm
2400mm x 900mm



D-end

1400mm x 700mm
1600mm x 800mm
1800mm x 900mm
2000mm x 900mm
2200mm x 900mm
2400mm x 900mm



Trapezoid

1400mm x 700mm
1600mm x 800mm
1800mm x 900mm



Linking Arc

800mm (linking arc)
900mm (linking arc)



Barrel

2000mm x 1000mm
2400mm x 1000mm



Oval

2000mm x 1000mm
2400mm x 1000mm



Round

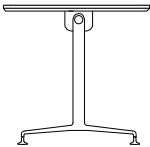
ø1000mm



V Tables

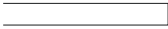
2000 x 900mm
2400 x 1000mm

base options



I-frame

edge options



Square



Deep Square
(Veneer only)



Chamfered



Solid chamfered
(Veneer only)



Please refer to the technical document for all options and finishes.

power / data options obvio



1A - Rotating power/data - A



1B - Rotating power/data - B



2B - Fixed power/data (black or White)



3 - Standard hinged flap

options / finishes / power & data

The most complex technology requirements can be configured with the same 'plug-in and play' ethos as the Smartworking Celo work tables. Obvio offers multiple top shapes and sizes along with a diversity of power and data options.



3A - Long hinged flap hatch



5A - Melamine Hinged Flap
Non Pattern Matched



6 - Silver Plastic Grommet



7 - Silver Aluminium Grommet

International power outlets are available upon request, but units come with UK Power as standard.



“Pars table range offers varied combinations of finishes, top shapes, leg designs and edge profiles. Allowing you to specify tables that complement your working landscape”.



pars

delivers a comprehensive programme of options
that combine design, function, quality and value.

pars

the Pars I-frame is the most specified leg within the tabling offer.

It's classic design is realised with a cast aluminum ski which connects into a steel column and can be specified in polished with a contrasting black column, also available in silver RAL 9006, all stone or all black.

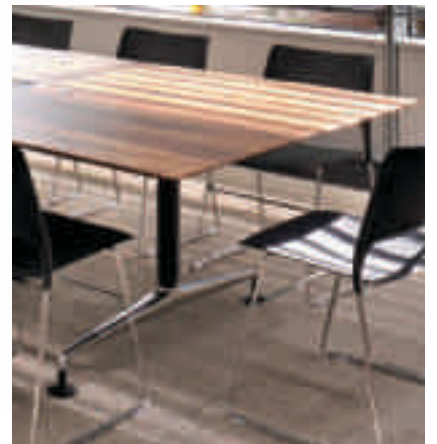
5 top shapes / 7 top finish options

5 base options / 5 edge profiles



i-frame

An additional option of real veneer tops, with or without a decorative veneer inlay and a solid wood edge, are also available with the same top shapes and sizes.





single leg

The contemporary single leg option is also ideal for meeting tables.

The single leg works well where free leg space is critical and is often specified for both enclosed and open plan environments. This die-cast aluminum leg is available in five finishes; RAL 9006 silver, black or as polished, white or stone as an upcharge. It works equally well on all the diverse top shapes and sizes within the tabling offer.

“The tablet market will grow from next to zero in 2009 to more than 320 million units sold in 2015.

The way consumers think about and interact with computing devices has changed for good”. **Gartner**



Shown: Pars round MR-05 1800mm with stone finish on legs.



Above: Type 1B Rotating power/data unit with optional VGA and Audio shown on walnut melamine.



This unique leg design is only available in bright chrome and shown are the 4000mm X 1400mm oval and 1800mm diameter round tables.

For full range of options and technical spec please see our Pars technical brochure.

XY leg

“In every large corporation, you’ve got years and years of programming. People have learned that organisations and teams work in a particular way and have all sorts of tasks and processes built around that and this takes a lot of energy to change”.



the classic XY leg offers even more design choice.

All top shapes, edge profiles and top finishes are matched to the I-frame offer, but table lengths must be greater than 1600mm to accommodate the XY sub frame. This unique leg design is only available in bright chrome.



box base

/aerofoil base

The aerofoil and box base are the classic options within the tabling range. They are designed to be specified within executive and boardroom environments, where a more traditional and conservative design statement is required. The aerofoil base is only available in veneer.



These tables focus on quality and craftsmanship. They can be customised to reflect even the most complex interior detailing.

Cable ports can be added to the top to allow discrete cable access and as with the other table designs, we offer a diversity of power, data and AV configuration units.

“You want shorter leases and you want more adaptable space so it’s the balance of that. It takes a while, a good few years to sort the strategy out to start again, it doesn’t happen overnight”.

pars

Sizes, finishes and options

choose top shape, size and finish

Melamine – *cherry, oak, walnut, maple, white* / Straight Grain Veneer – *cherry, oak, walnut, maple, beech* / Glass – *10mm back painted glass in black or white*



Rectangular

1400mm x 700mm
1600mm x 800mm
1800mm x 900mm
2000mm x 1000mm
2200mm x 1200mm
2400mm x 1200mm
1400mm x 2800mm
1400mm x 3200mm
1400mm x 3600mm
1400mm x 4000mm



Curved-end

1400mm x 700mm
1600mm x 800mm
1800mm x 900mm
2000mm x 1000mm
2200mm x 1200mm
2400mm x 1200mm
1400mm x 2800mm
1400mm x 3200mm
1400mm x 3600mm
1400mm x 4000mm



Barrell

1400mm x 700mm
1600mm x 800mm
1800mm x 900mm
2000mm x 1000mm
2200mm x 1200mm
2400mm x 1200mm
1400mm x 2800mm
1400mm x 3200mm
1400mm x 3600mm
1400mm x 4000mm



Oval

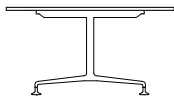
1800mm x 900mm
2000mm x 1000mm
2200mm x 1200mm
2400mm x 1200mm
1400mm x 2800mm
1400mm x 3200mm
1400mm x 3600mm
1400mm x 4000mm



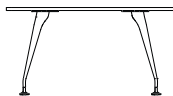
Round

Ø1000mm
Ø1200mm
Ø1400mm
Ø1600mm
Ø1800mm

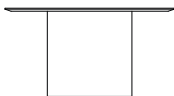
base options



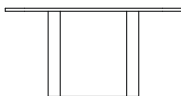
I-frame



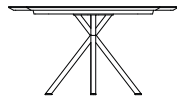
Single leg



Box Base

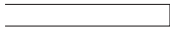


Aerofoil base



XY base

edge options



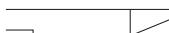
Square



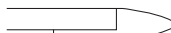
Deep Square
(Veneer only)



Chamfered



Solid chamfered
(Veneer only)



Aerofoil
(Veneer only)

Please refer to the technical document for all options and finishes.



power / data options pars



1A - Rotating power/data - A



1B - Rotating power/data - B



2A - Pull up power & data



2B - Fixed power/data (black or White)



3 - Standard hinged flap

options / finishes / power & data

The extensive choice of size, finish and shared design options also ensures Pars meeting tables can be used individually or combined with other products from the Smartworking landscape.



4 - Large hinged flap hatch



5 - Matching Veneer Hinged Flap



6 - Silver Plastic Grommet



7 - Silver Aluminium Grommet

credenzas

the Pars credenza is a classic high quality cabinet in veneer or melamine finish.

The two, three or four door units are 650mm deep as standard and have an adjustable shelf fitted but can be easily customised to a more precise requirement if need be. Pars credenzas have a square edged top as standard or can be specified with a chamfered edge, aerofoil or solid wood chamfered edge to match Pars tables. Credenzas are available on either a sled leg or low level plinth.



Each credenza comes with a shelf as standard but can be specially adapted to accommodate fridges, AV equipment and specific power requirements.



The doors have touch catches and can also be customised with locks and handles if required.

Cable ports can be added to allow discreet cable access to the top of the unit.



Meeting Seating

Calder

X10

Workday

Cors

G16

G64

Joy

Joy Mesh



05.

Meeting Seating

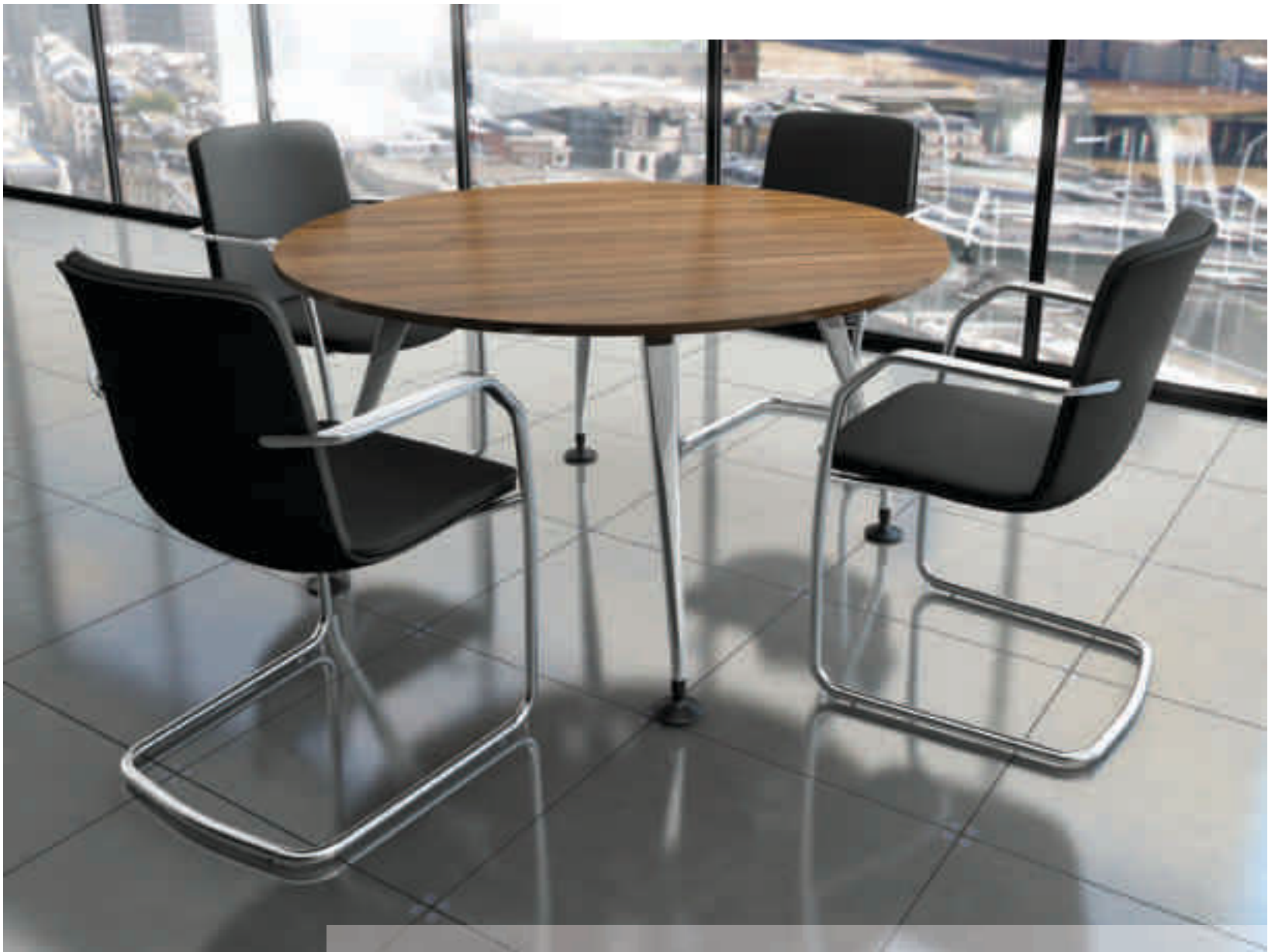
164–187



Mid Back Cantilever / Mid Back Four Star Base

Calder

Calder is the most recent meeting chair within the Smartworking landscape and a core product. Offering four design options, this diverse range is designed to complement our task seating offer, where compatibility between work areas is required.



“At the German auto company Daimler,
staff can now have e-mails automatically
deleted during vacations
so they do not return to a flooded in-box on their return.

An automated message tells the sender which person
is temporarily dealing with the employee's e-mail.”

The New York Times



High Back Cantilever / High Back Four Star Base

Our research suggests that the corporate ladder is collapsing and that the 'Corporate Lattice' is emerging.

It suggests organisations have to find ways to measure results and not 'face-time'. **Deloitte**





X10

X10 is a direct response to a market saturated with overly refined, expensive product. It offers a level of design, engineering, finesse and user comfort not previously available at this price point. The X10 family is not exaggerated in design and achieves a refreshing simplicity and honesty.

“From my laptop to iPad, I can pull things down to whichever device I have at the time, rather than carrying a great big rucksack”.





Workday

Workday is a core product within the Smartworking landscape and a core product. Which is reflected in the four design options, within this diverse range of function solutions for the changing workplace. The range is designed to complement our task-seating offer, where compatibility between work areas is required.



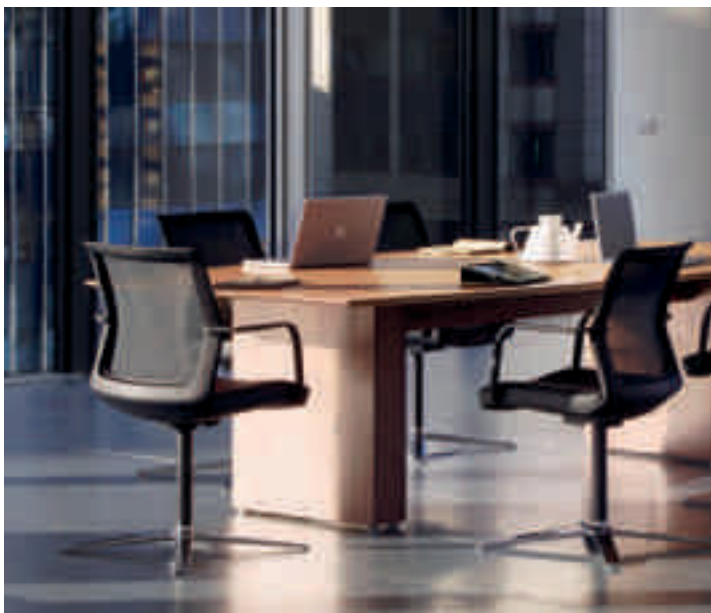
“We want to hire the students’ entire tribe of friends and family. We want to become part of their personal network, which has a lot

more influence in attracting future talented employees than any recruiting ad”.

The Trophy Kids Grow Up



“The rapidly shifting technology environment raises serious questions for executives about how to help companies capitalise on the transformation underway.” **McKinsey Quarterly**





We need to realise more diverse channels of working, within an overarching workplace theme of collaboration and communication.







Smartworking leverages
the full potential of the
technology-enabled office that
allows us to work
anywhere



and the movement away
from individual focused work.

Cors

Cors is a robust, high stacking universal chair for use in either small groups or within dense function scenarios. The design offers a high level of flexible comfort, from its elegant, slim profile design, due to the design and pattern matrix of the back and the metal structural frame, which is integrated into the back during the molding process.

Cors works equally well as all plastic, or a plastic back combined with a show wood seat, or upholstered in matching or contrast fabric. Cors can be linked with a purpose designed wire link and also has a conference writing tablet option.







They found that the cost of giving somebody a desk in London is now \$17,000 year, which is staggering.

That's the real cost all in, IT, operations, rent, rates everything, that's a big sum of money.

Philip Ross



G16

G16 has proven to be the ‘go to’ solution for the archetypal cantilevered visitor chair. Its design simplicity and robust manufacturing ensures G16 meets the high performance demanded of this universal staple. The tubular steel frame links into the molded seat and its mesh back delivers refined comfort, helping to make that long strategy meeting a little more rewarding.

giroflex



G64

G64 is the definition of a classic, having been in continuous production for over twenty years and having set new standards for this market sector. Its precision engineering delivers a chair of proven longevity, with 98% of its parts recyclable. No two work places are the same and the G64 family caters for everything from call centers to executive offices.

giroflex





Joy



Joy and Joy Mesh display the technical attributes of more expensive products, in a surprisingly affordable package. Its form, contours and proportions are the result of Orangebox's continuous ergonomic research. The result, irrespective of your own body shape or size, is a level of comfort and performance previously unavailable for this class of product.

60% of boomers won't be able to maintain a lifestyle close to their current one without continuing to work. **McKinsey Quarterly**



Joy Mesh



A brief overview of Orangebox Task Chairs

Task Seating

Do

Ara Elastomer

Ara Mesh

Joy

Joy Mesh

X10



06.

Task Seating

188–201



The full specification guide for Do can be found within the Do brochure, available in either print or digital format.



Do

invent simple more from less

As shared workspaces become increasingly common, the need for simple, adaptable seating is more important than ever. While we've increased the range of adjustment we offer, we've simplified how it's delivered.

Do has a weight balancing mechanism that automatically adapts to any size of user and a standard, easy to reach lumbar pad, with 100mm of adjustment.

Resource depletion and climate change affect us all. Their influence increases year on year our design thinking has to reflect this. We've worked hard to do more with

less material, fewer parts and fewer product miles, than ever before.





The full specification guide for Ara can be found within the Ara brochure, available in either print or digital format.



Ara Elastomer

The first task chair designed, developed and manufactured in Europe to achieve Cradle to Cradle accreditation.

Cradle to Cradle is a growing standard that creates manufactured product within closed loop systems where all materials are safe and beneficial to the environment. They either biodegrade naturally or can be fully recycled into new high quality products, again and again.

Ara's synchronous mechanism delivers a smooth, balanced movement from impressively refined engineering. The adaptive and flexible elastomer membrane of its back adjusts easily to your profile.





The full specification guide for Ara can be found within the Ara brochure, available in either print or digital format.



Ara Mesh

Ara is a chair of refined performance, comfort and support that redefines our perspective on sustainability.

The mesh structure is designed to support the range of individual back profiles whilst providing high level comfort and support over a large contact area.

98% recyclable,
but that's not the point.

Equally important is the ability to support recyclable products with better systems for recycling, which has now become intrinsic to Orangebox manufacturing.





The full specification guide for Joy can be found within the Joy brochure, available in either print or digital format.



Joy

There is a phrase 'bad craftsmen always blame their tools'. At Orangebox we have a simple goal, to provide our customers with the best tools possible.

Joy is designed to deliver refined comfort
though the synchronous mechanism
with a dual contour seat and height
adjustable back as standard.

Orangebox now offers Joy as a carbon-offset product when specified in the Camira Oxygen Fabric. This means that the equivalent quantity of carbon generated in producing a Joy chair has been saved by investment in sustainable energy projects, making Joy a climate neutral product (in association with Climate Care).





The full specification guide for Joy Mesh can be found within the Joy brochure, available in either print or digital format.



Joy Mesh

Joy displays the technical attributes of more expensive products, in a surprisingly affordable package. Its form, contours and proportions are the result of Orangebox's continuous ergonomic research.

FunctionComfortIntelligence

We've worked hard to ensure Joy delivered these core values, not only in its appearance but in the way it works, feels and functions.

Joy mesh creates a slimmer, visually lighter design as an additional choice to the Joy upholstered chair. The 100% recyclable polyester mesh provides an added level of breathability and refinement.





The full specification guide for X10 can be found within the X10 brochure, available in either print or digital format.



X10

Simple where it can be.
Smart where it needs to be.
Innovative where it should be.

X10 was a direct response to a market saturated with over refined, expensive products. X10 offers a level of design and engineering finesse not previously available at this price point.

X10 is not exaggerated in its design or innovation and achieves a refreshing simplicity for a fully upholstered task chair.



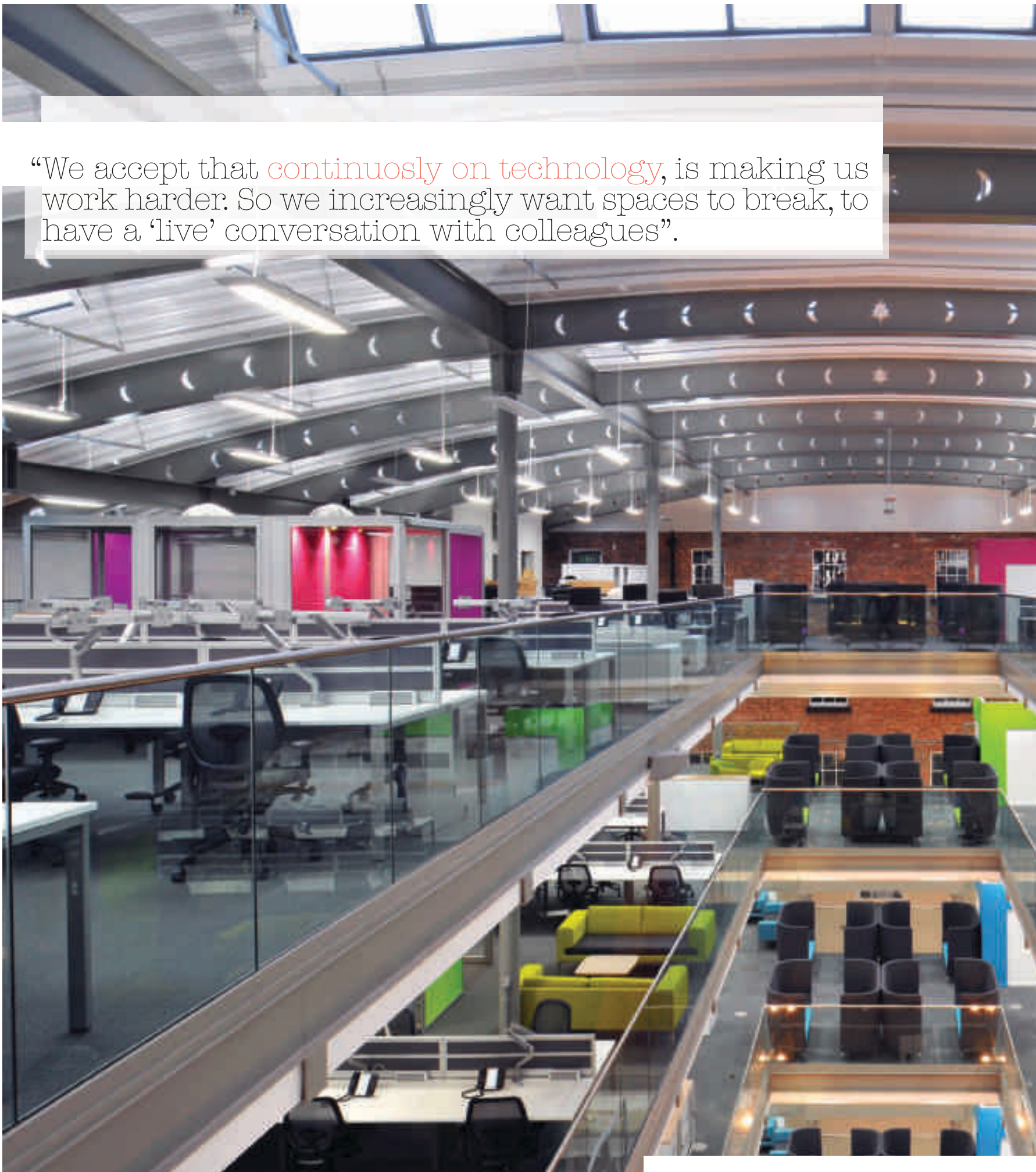


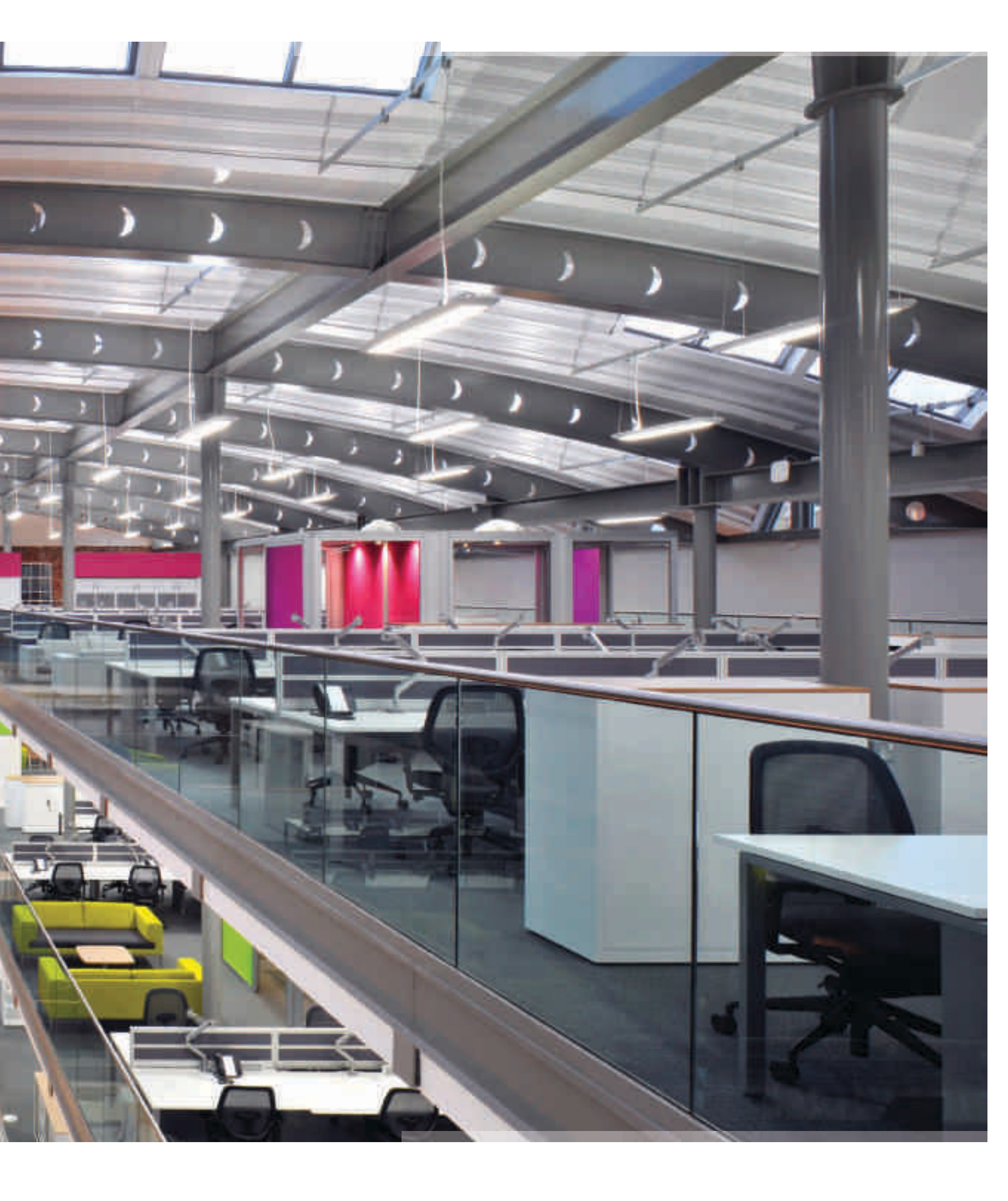


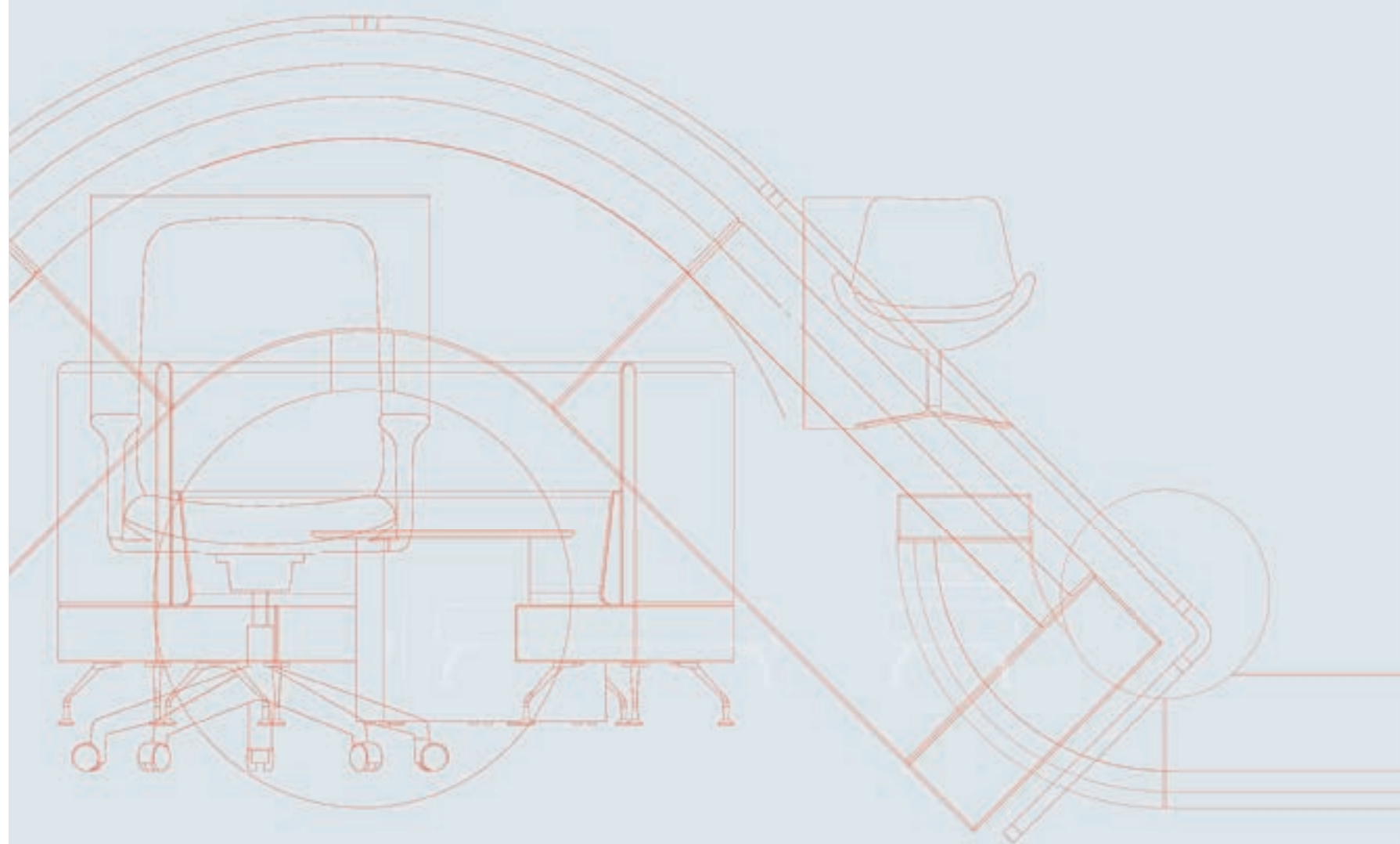
“We need choice, I want elegant and comfortable product that looks great in both a contemporary fabric and in leather & chrome. I still need the ability to easily achieve more refined executive space”.



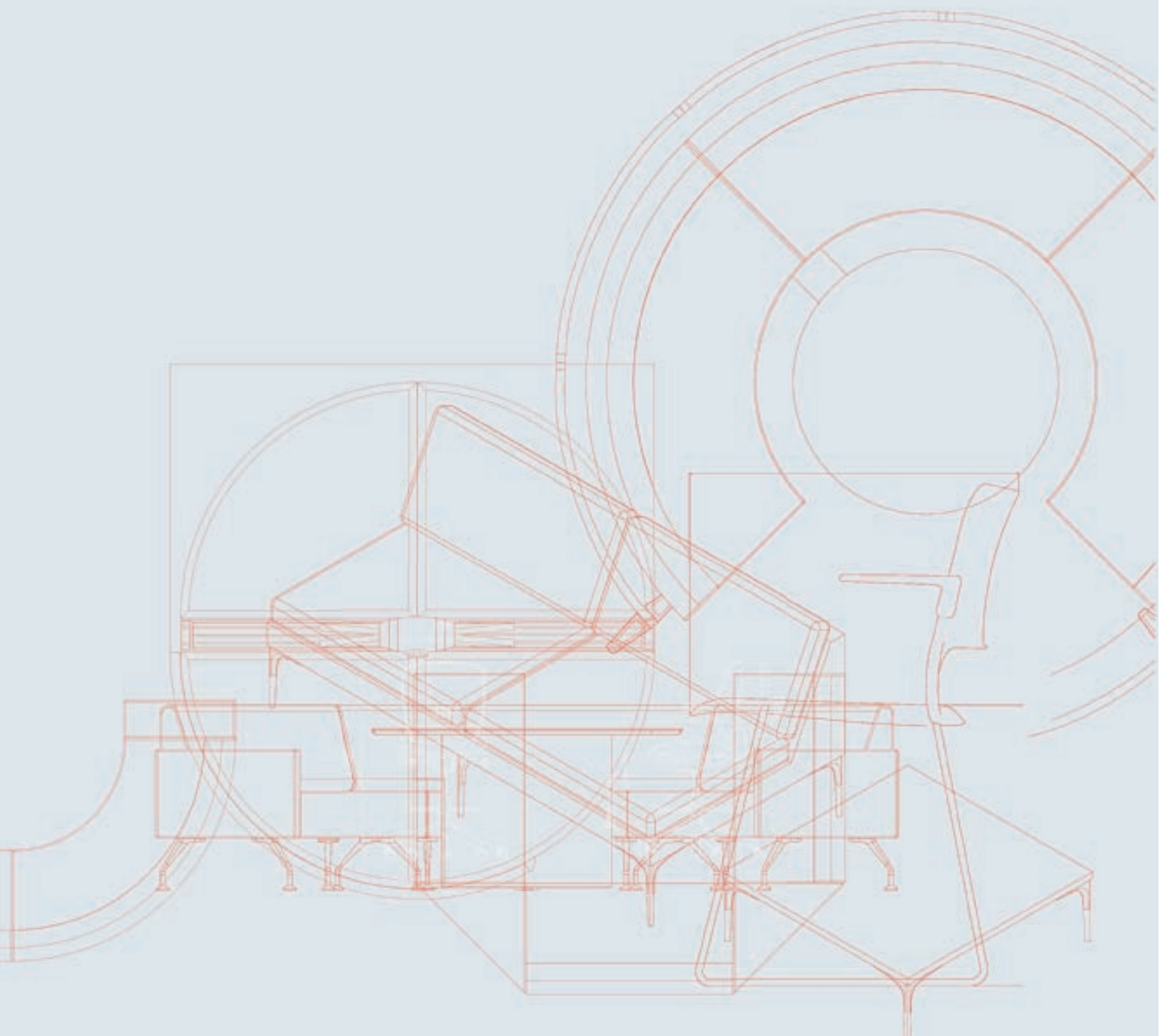
“We accept that **continuosly on technology**, is making us work harder. So we increasingly want spaces to break, to have a ‘live’ conversation with colleagues”.



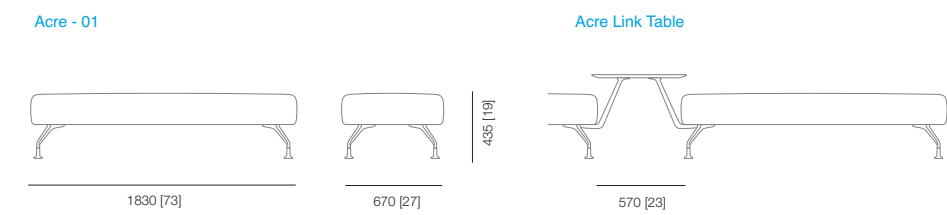




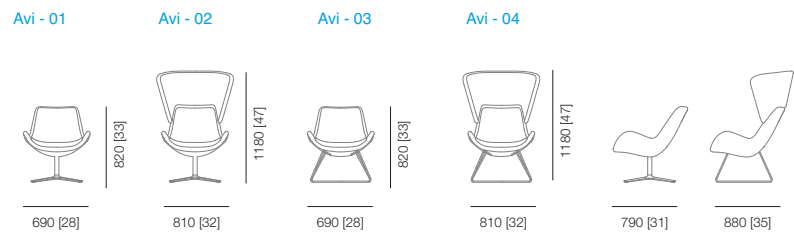
Product Dimensions



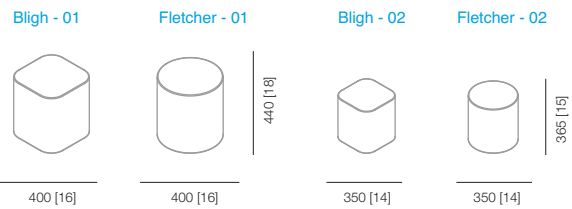
Acre



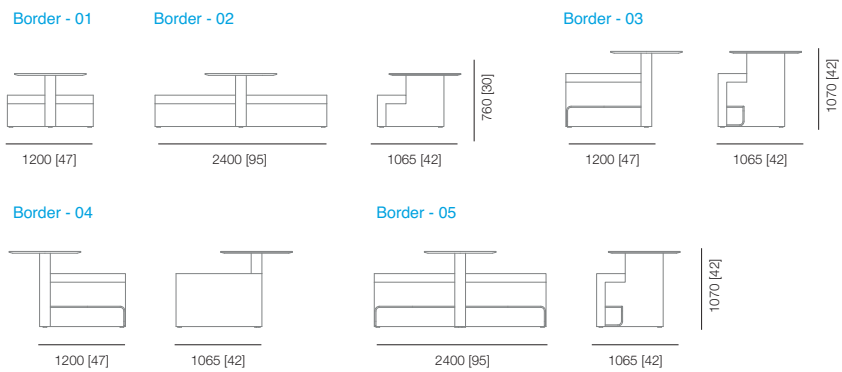
Avi



Bligh & Fletcher



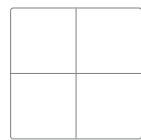
Border



N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets.
All Imperial dimensions have been rounded up to the nearest inch.

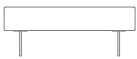
Boundary

Boundary - 01



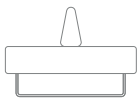
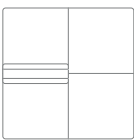
1200 [47]

460 [32]

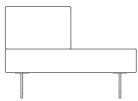


1200 [47]

End Mounted Back

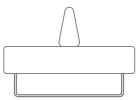
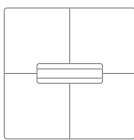


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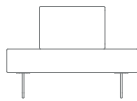


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Mid Mounted Back

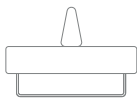
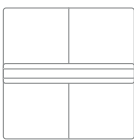


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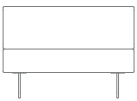


1200 [47]

Double Back



1200 [47]

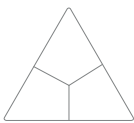


1200 [47]

1200 [47]

800 [32]

Boundary - 05

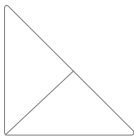


1200 [47]



1200 [47]

Boundary - 06



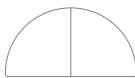
1200 [47]



1200 [47]

460 [18]

Boundary - 07



600 [24]



1200 [47]

460 [18]

Boundary - 08



300 [12]



1200 [47]

460 [18]

Boundary - 09



300 [12]



1200 [47]

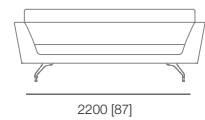
300 [12]



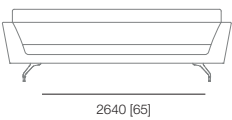
N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets.
All Imperial dimensions have been rounded up to the nearest inch.

Cwtch Low

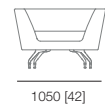
Cwtch - 13 MB



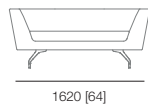
Cwtch - 14 MB



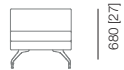
Cwtch - 21 LB



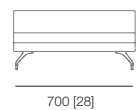
Cwtch - 22 LB



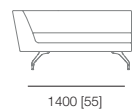
Cwtch - 23 LB



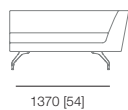
Cwtch - 24 LB



Cwtch - 25 LB



Cwtch - 26 LB



Cwtch - 27 LB



Cwtch - 28 LB



Cwtch High

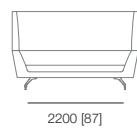
Cwtch - 01 HB



Cwtch - 02 HB



Cwtch - 03 HB

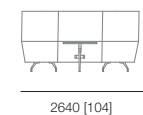


1360 [54]

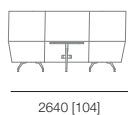


Cwtch Media

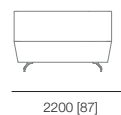
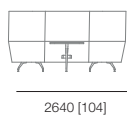
Cwtch - 51 HB



Cwtch - 52 HB

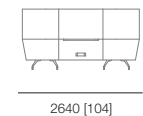


Cwtch - 53 HB

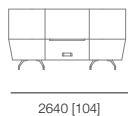


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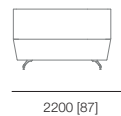
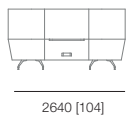
Cwtch - 54 HB



Cwtch - 55 HB



Cwtch - 56 HB



1360 [00]



Cwtch Tables

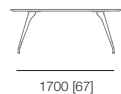
Cwtch - 44T



Cwtch - 45T



Cwtch - 46T



670 [27]

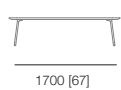
Cwtch - 47CT



Cwtch - 48CT



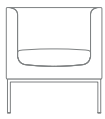
Cwtch - 49CT



435 [17]

Drift

Drift - 01



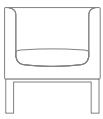
675 [27]



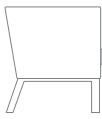
650 [26]

780 [31]

Drift - 01 SL



675 [27]



650 [26]

780 [31]

Drift - 02



669 [27]

317 [13]



Hay

Hay - 01



650 [26]



610 [24]

Hay - 03

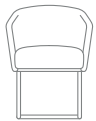


650 [26]

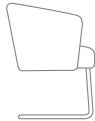


610 [24]

Hay - 04



650 [26]



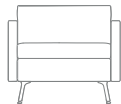
610 [24]

750 [30]



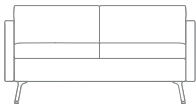
Ogmore

Ogmore - 01



810 [32]

Ogmore - 02

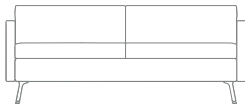


1460 [58]

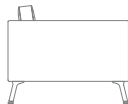


830 [33]

Ogmore - L2



1790 [71]

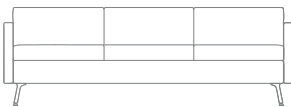


845 [34]

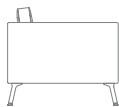
790 [31]



Ogmore - 03

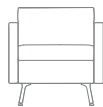


2110 [83]



830 [33]

Ogmore - S1



700 [28]



725 [29]

790 [31]

Pace

Pace - WUW



580 [23]

Pace - WU4S



580 [23]

Pace - LUW



580 [23]

Pace - LU4S



580 [23]



595 [24]



595 [000]

680 [27]

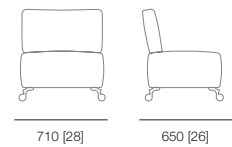
820 [33]



N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets. All Imperial dimensions have been rounded up to the nearest inch.

Path

Path - 01



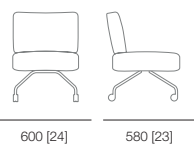
Path - 02



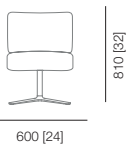
Path - 03



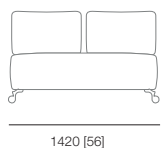
Path - 04



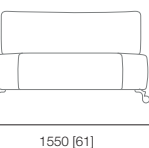
Path - 06



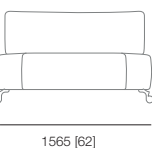
Path - 07



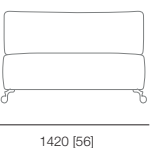
Path - 08



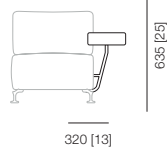
Path - 09



Path - 10

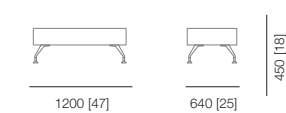


Path - SA

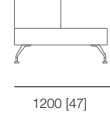


Perimeter Low

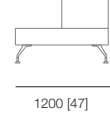
Perimeter - 01



Perimeter - 01RB



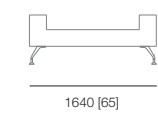
Perimeter - 01LB



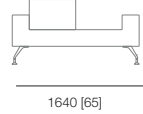
Perimeter - 01DB



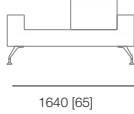
Perimeter - 02



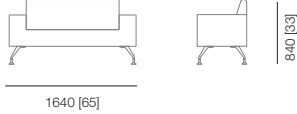
Perimeter - 02RB



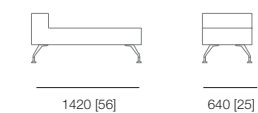
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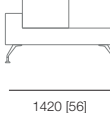
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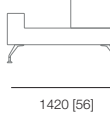
Perimeter - 03



Perimeter - 03RB



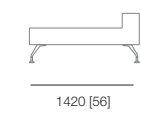
Perimeter - 03LB



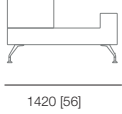
Perimeter - 03DB



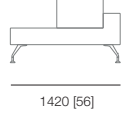
Perimeter - 04



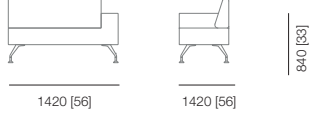
Perimeter - 04RB



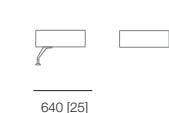
Perimeter - 04LB



Perimeter - 04DB



Perimeter - 05



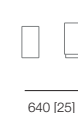
Perimeter - 06



Perimeter - 07



Perimeter - 09



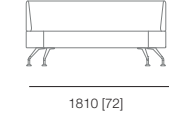
Perimeter - 11



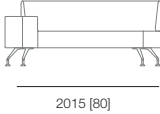
Perimeter - 12



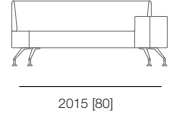
Perimeter - 13



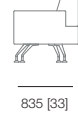
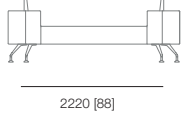
Perimeter - 14



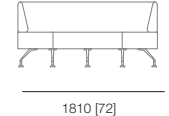
Perimeter - 15



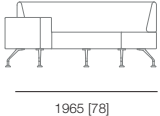
Perimeter - 16



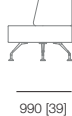
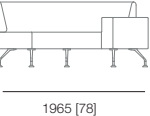
Perimeter - 17



Perimeter - 18



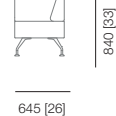
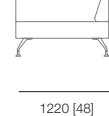
Perimeter - 19



Perimeter - 20



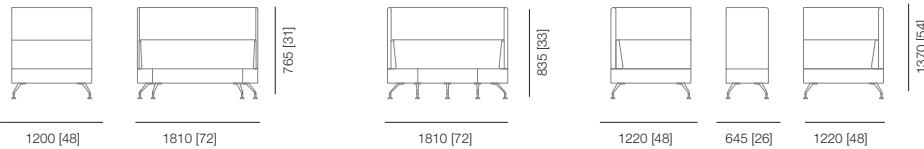
Perimeter - 21



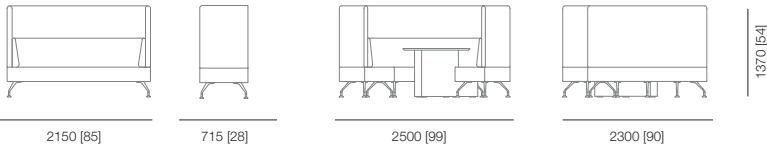
N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets.
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Perimeter High

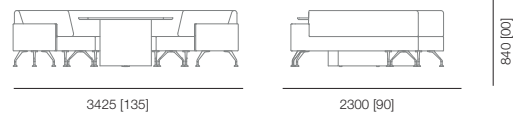
Perimeter - 25HB Perimeter - 26HB Perimeter - 27HB Perimeter - 28HB Perimeter - 29HB



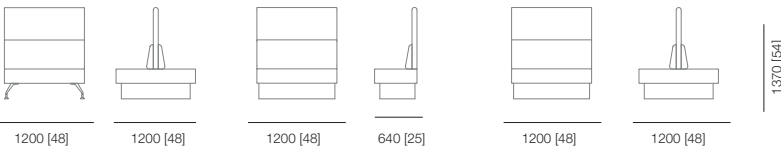
Perimeter - 30HB Perimeter - 31HB



Perimeter - 32HB

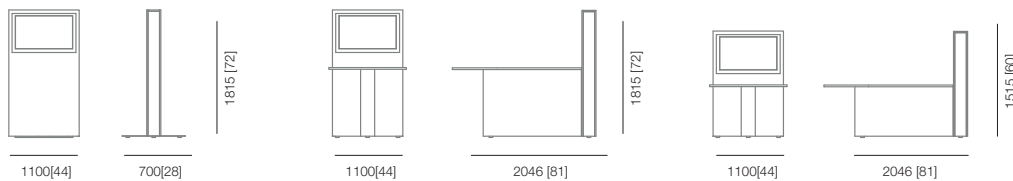


Perimeter - 33HB Perimeter - 34HB Perimeter - 35HB



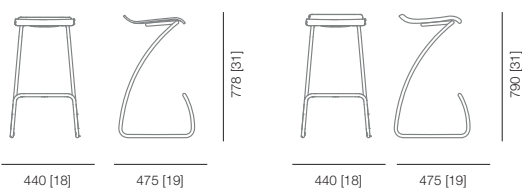
Reef

Reef - 01 Reef - 03 Reef - 05



Spring

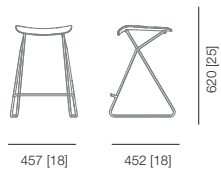
Spring - 02 Spring - 02



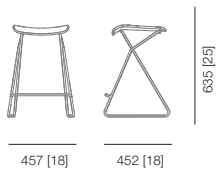
N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets. All Imperial dimensions have been rounded up to the nearest inch.

Tide

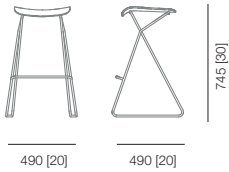
Tide - 01



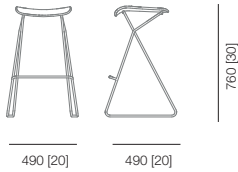
Tide - 02



Tide - 03

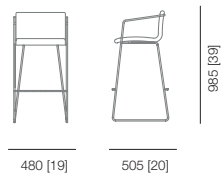


Tide - 04

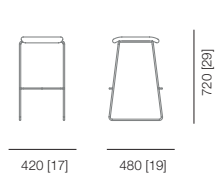


Peak

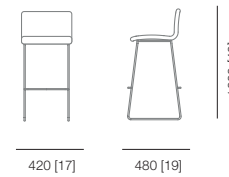
Peak - 01S



Peak - 02

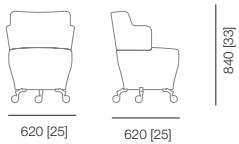


Peak - 03



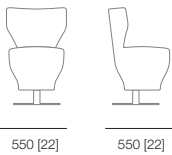
Tarn

Tarn - 01

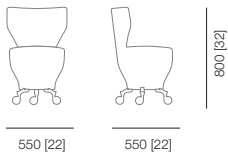


Dean

Dean - 01

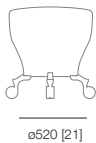


Dean - 02

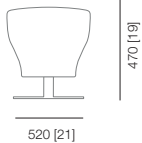


Point

Point - S



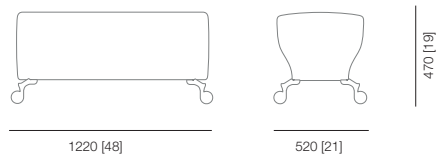
Point - T



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Gate

Gate - 01

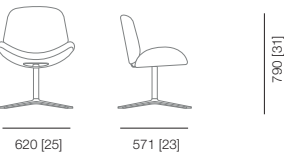


Track Work / Track Lounge

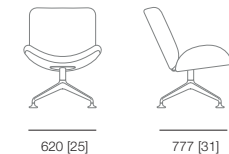
Track Work - 01



Track Work - 03



Track Lounge - 02



Track Lounge - 04

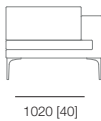


Vale

Vale - 01



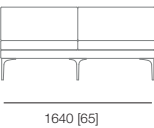
Vale -02



Vale -03



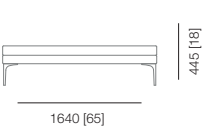
Vale - 04



Vale - 05



Vale - 06



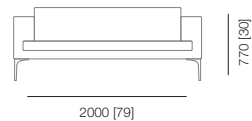
Vale - 07



Vale - 08



Vale - 09



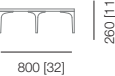
Vale - CT01
Melamine



Vale - CT02



Vale - CT03



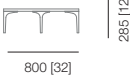
Vale - CT04
Veneer



Vale - CT05



Vale - CT06



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Airea

Airea - 100



W2800 D1650 [W1111 D65]

Airea - 110



W2800 D2950 [W1111 D117]

Airea - 120



W2800 D2950 [W1111 D117]

Airea - 130

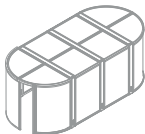


W2800 D4430 [W1111 D175]

2200 [87]



Airea - 140



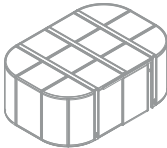
W2800 D5900 [W1111 D233]

Airea - 150



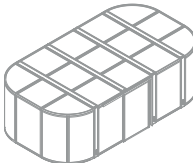
W4100 D4370 [W162 D173]

Airea - 160



W4100 D5840 [W162 D230]

Airea - 170



W4100 D7320 [W162 D289]

2200 [87]

Airea - 210



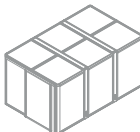
W2800 D1650 [W1111 D65]

Airea - 220



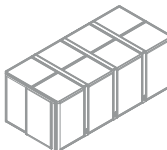
W2800 D2950 [W1111 D117]

Airea - 230



W2800 D4430 [W1111 D175]

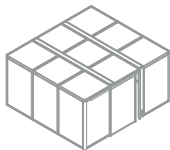
Airea - 240



W2800 D5900 [W1111 D233]

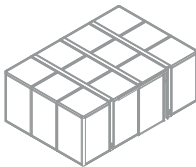
2200 [87]

Airea - 250



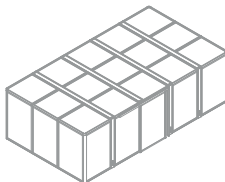
W4100 D4370 [W162 D173]

Airea - 260



W4100 D5840 [W162 D230]

Airea - 270



W4100 D7320 [W162 D289]

2200 [87]

Airea - 300



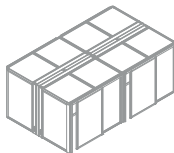
W2800 D3420 [W1111 D135]

Airea - 310



W2800 D3420 [W1111 D135]

Airea - 320



W3420 D5720 [W135 D226]

Airea - 400



W2800 D2960 [W1111 D117]

Airea - 410



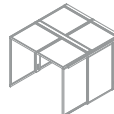
W2800 D2960 [W1111 D117]

Airea - 420



W2800 D2960 [W1111 D117]

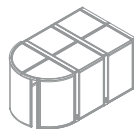
Airea - 430



W2800 D2960 [W1111 D117]

2200 [87]

Airea - 500



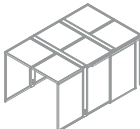
W2200 D4430 [W87 D175]

Airea - 510



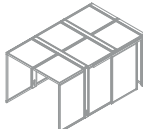
W2200 D4550 [W87 D180]

Airea - 520



W2200 D4430 [W87 D175]

Airea - 530



W2800 D4430 [W1111 D175]

Phone booth 1



W1420 D1420 [W56 D56]

Phone Booth 2






















































W1420 D1420 [W56 D56]

2200 [87]

N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets.
All Imperial dimensions have been rounded up to the nearest inch.





























Cove

Cove - 100	Cove - 105	Cove - 110	Cove - 115	Cove - 120	Cove 125	Cove 130	Cove - 135	Cove - 140
								
800 [32]	800 [32]	800 [32]	800 [32]	800 [32]	860 [34]	860 [34]	860 [34]	860 [34]
Cove - 200	Cove - 205	Cove - 210	Cove - 215	Cove - 220	Cove 225	SL- 01		
								
1300 [52]	1300 [52]	1300 [52]	1300 [52]	1300 [52]	1300 [52]	1300 [52]		
Cove - 230	Cove -235	Cove - 240	Cove - 245	Cove - 250	Cove - 255			
								
1300 [52]	1300 [52]	1360 [54]	1360 [54]	1360 [54]	1360 [54]			
Cove - 300	Cove -305	Cove - 310	Cove - 315	Cove - 320	Cove - 325			
								
1000 [40]	1000 [40]	1000 [40]	1000 [40]	1006 [40]	1005 [40]			1466 [58]
Cove - 335	SL- 01	Cove - 340	Cove - 345	Cove - 350	Cove - 355			
								
1005 [000]	705 [28]	1005 [40]	1499 [60]	1005 [40]	1499 [60]			
Cove - 400	Cove -405	Cove - 410	Cove - 415	Cove - 420	Cove - 425	Cove - 430		
								
1330 [40]	1330 [40]	1330 [40]	1330 [40]	1385 [55]	1298 [52]	1692 [67]		
Cove - 435	SL- 01	Cove - 440	Cove - 445	Cove - 450	Cove - 455			
								
1395 [55]	705 [28]	1314 [52]	1959 [000]	1314 [000]	1667 [000]			
Cove - 500	Cove - 505	Cove - 510	Cove - 515	Cove - 520	Cove - 525	Cove - 530		
								
1405 [56]	1405 [56]	1405 [56]	1405 [56]	1305 [52]	1388 [55]	1914 [76]		
Cove - 535	SL- 01	Cove - 540	Cove - 545	Cove - 550	Cove - 555			
								
1430 [57]	705 [00]	1388 [55]	1388 [55]	320 [13]	320 [13]			
Cove - 600	Cove - 605	SC - 01	SC - 02					
								
800 [32]	175 [7]	500 [20]	500 [20]					















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All Imperial dimensions have been rounded up to the nearest inch.

Bay

Bay - 100	Bay 110LH/RH	Bay - 120	Bay - 130 LH/RH	Bay - 140	1270 [50]
					
800 [32]	860 [34]	1200 [48]	1260 [50]	1500 [60]	
Bay - 150 LH/RH	Bay - 160	Bay - 170	Bay - 180	1270 [50]	
					
1560 [62]	1000 [40]	1330 [53]	1405 [56]		
Bay - 200	Bay 210LH/RH	Bay - 220	Bay - 230 LH/RH	Bay - 240	1570 [62]
					
800 [32]	860 [34]	1200 [48]	1260 [50]	1500 [60]	
Bay - 250 LH/RH	Bay - 260	Bay - 270	Bay - 280	1570 [62]	
					
1560 [62]	1000 [40]	1330 [53]	1405 [56]		
Bay - 300	Bay 310LH/RH	Bay - 320	Bay - 330 LH/RH	Bay - 340	1870 [74]
					
800 [32]	860 [34]	1200 [48]	1260 [50]	1500 [60]	
Bay - 350 LH/RH	Bay - 360	Bay - 370	Bay - 380	Bay - 500	1870 [74]
					
1560 [62]	1000 [40]	1330 [53]	1405 [56]	1500 [60]	



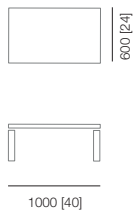
Linio

Linio - 600	Linio - 800	Linio - 1200	Linio - 1400	Linio - PC1	Linio - PC2	1500 [60]
						
600 [24]	800 [32]	1200 [48]	1400 [56]	1060 [42]	945 [38]	
Linio - 600	Linio - 800	Linio - 1200	Linio - 1400	Linio - PC1	Linio - PC2	
						

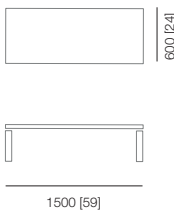


Crest

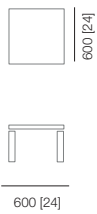
Crest - 50



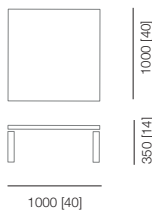
Crest - 60



Crest - 70



Crest - 80

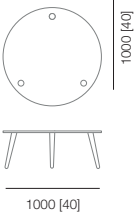


Surf

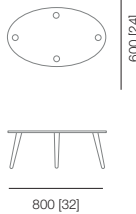
Surf - 10



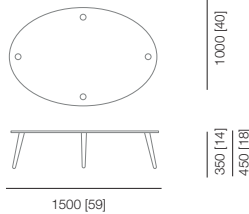
Surf - 20



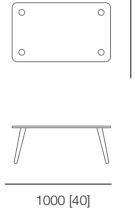
Surf - 30



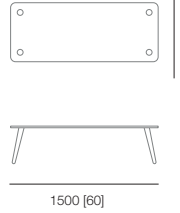
Surf - 40



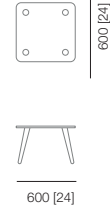
Surf - 50



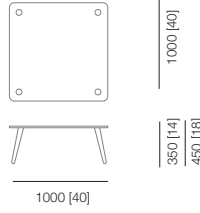
Surf - 60



Surf - 70

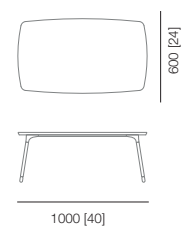


Surf - 80



Bluff

Bluff - 01



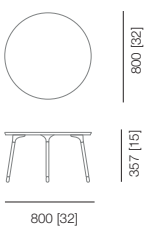
Bluff - 02



Bluff - 03

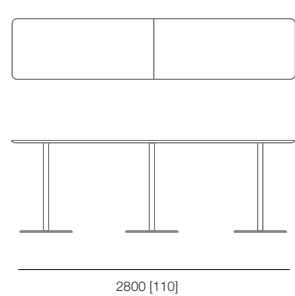


Bluff - 04

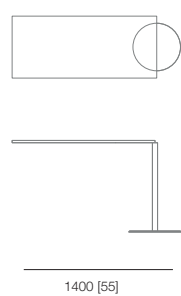


Lock Bar

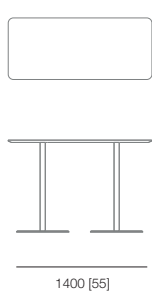
Lock Bar - 01



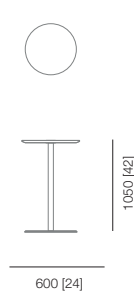
Lock Bar - 02



Lock Bar - 03

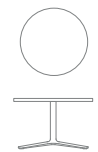
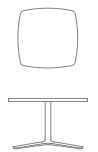
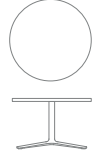
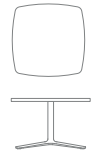





Lock Bar - 04









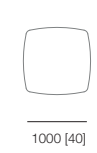


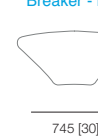

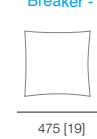
N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets. All Imperial dimensions have been rounded up to the nearest inch.

Elan

Elan - 01	Elan - 02	Elan - 03	Elan - 04	
				<div><div>350 [14]</div><div>450 [18]</div><div>730 [29]</div></div>
ø700 [28]	700 [28]	ø800 [32]	800 [32]	
Elan - 05	Elan - 06	Elan - 07		
				<div>450 [18]</div>
700 [28]	ø800 [32]	800 [32]		



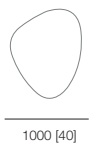


Breaker

Breaker - 01	Breaker - 02	Breaker - 03	Breaker - 04	
				<div><div>357 [14]</div><div>457 [18]</div><div>730 [29]</div></div>
ø600 [24]	ø800 [32]	600 [24]	800 [32]	
Breaker - 05	Breaker - 06	Breaker - 07	Breaker - 08	
				<div>730 [29]</div>
ø1000 [40]	ø1200 [48]	1000 [40]	1200 [48]	
Breaker - L30	Breaker - L60	Breaker - L90	Breaker - LS	
				
555 [22]	745 [30]	925 [37]	475 [19]	



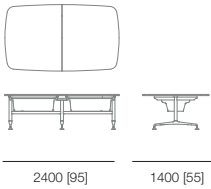
Dune

Dune - 01	Dune - 02	Dune - 03	
			<div><div>450 [18]</div><div>720 [29]</div></div>
ø800 [32]	800 [32]	1000 [40]	1000 [40]

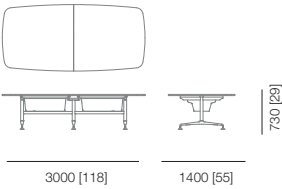


Celo

WK - 01

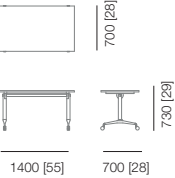


WK - 02

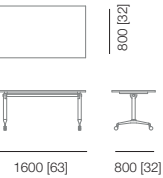


Obvio

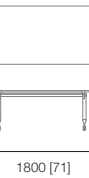
AC - 01



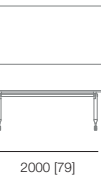
AC - 02



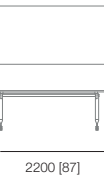
AC - 03



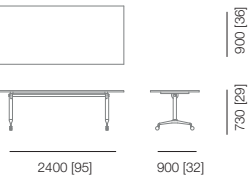
AC - 04



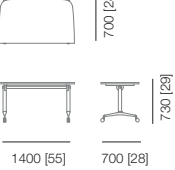
AC - 05



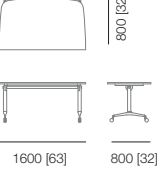
AC - 06



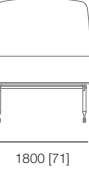
AC - 07



AC - 08



AC - 09



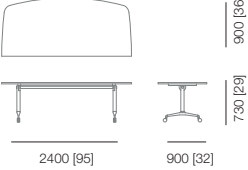
AC - 10



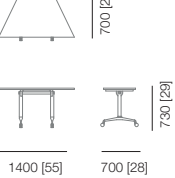
AC - 11



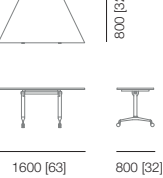
AC - 12



AC - 13



AC - 14



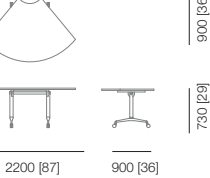
AC - 15



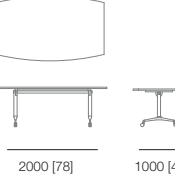
AC - 16



AC - 17



AC - 18



AC - 19



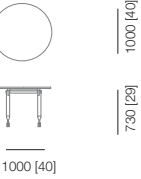
AC - 20



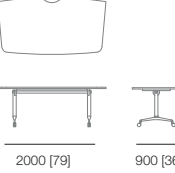
AC - 21



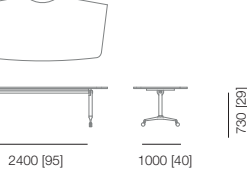
AC - 22



AC - 23

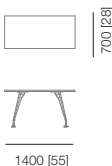


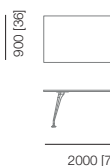
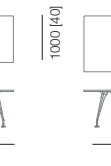
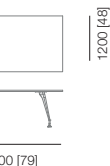


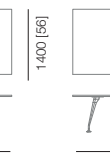
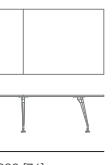
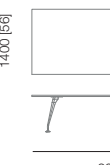




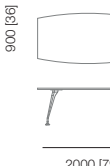
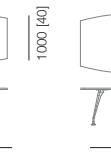



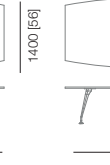


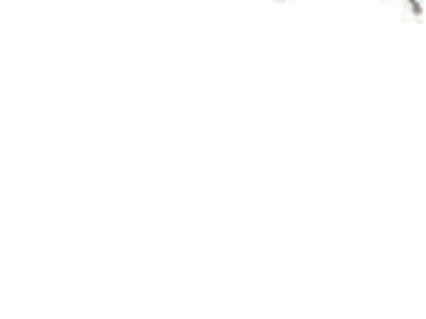




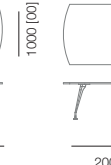
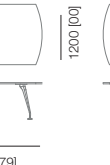
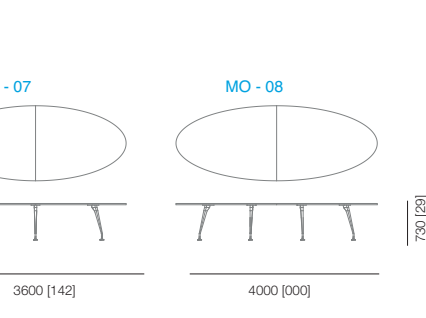
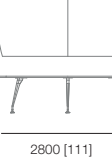
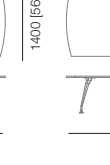


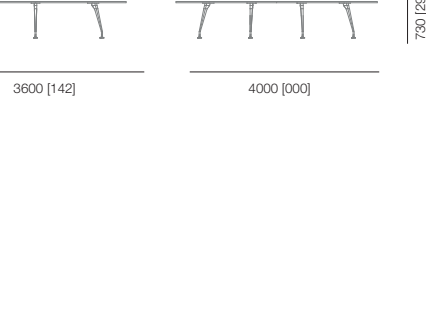




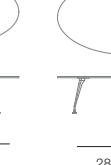

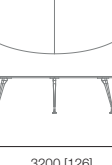
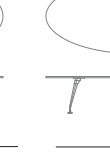

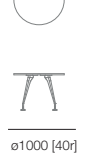
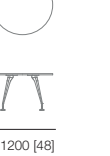
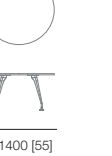
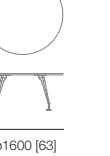
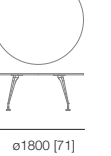



AC - 24



N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets. All Imperial dimensions have been rounded up to the nearest inch.

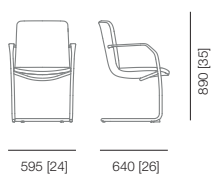
Pars

<div>MR - 01</div> <div></div>	<div>MR - 02</div> <div></div>	<div>MR - 03</div> <div></div>	<div>MR - 04</div> <div></div>	<div>MR - 05</div> <div></div>	<div>MR - 06</div> <div></div>	<div></div>		
<div>MR - 07ST</div> <div></div>	<div>MR - 08</div> <div></div>	<div>MR - 09</div> <div></div>	<div>MR - 10</div> <div></div>	<div></div>				
<div>MC - 01</div> <div></div>	<div>MC - 02</div> <div></div>	<div>MC - 03</div> <div></div>	<div>MC - 04</div> <div></div>	<div>MC - 05</div> <div></div>	<div>MC - 06</div> <div></div>	<div></div>		
<div>MC - 07ST</div> <div></div>	<div>MC - 08</div> <div></div>	<div>MC - 09</div> <div></div>	<div>MC - 10</div> <div></div>	<div></div>				
<div>MB - 01</div> <div></div>	<div>MB - 02</div> <div></div>	<div>MB - 03</div> <div></div>	<div>MB - 04</div> <div></div>	<div>MB - 05</div> <div></div>	<div>MB - 06</div> <div></div>	<div></div>		
<div>MB - 07ST</div> <div></div>	<div>MB - 08</div> <div></div>	<div>MB - 09</div> <div></div>	<div>MB - 10</div> <div></div>	<div></div>				
<div>MO - 01</div> <div></div>	<div>MO - 02</div> <div></div>	<div>MO - 03</div> <div></div>	<div>MO - 04</div> <div></div>	<div>MO - 05ST</div> <div></div>	<div>MO - 06</div> <div></div>	<div>MO - 07</div> <div></div>	<div>MO - 08</div> <div></div>	<div></div>
<div>MO - 01</div> <div></div>	<div>MO - 02</div> <div></div>	<div>MO - 03</div> <div></div>	<div>MO - 04</div> <div></div>	<div>MO - 05</div> <div></div>	<div></div>			

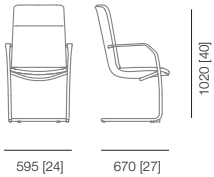
N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets.
All Imperial dimensions have been rounded up to the nearest inch.

Calder

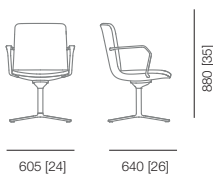
Calder - MBC



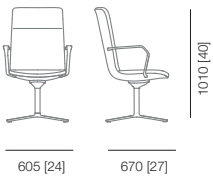
Calder - HBC



Calder - MBS



Calder - HBS



X10

X10 - CA



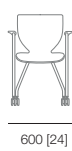
X10 - CAW



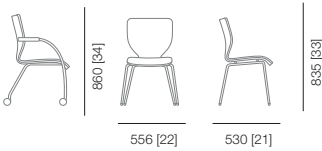
X10 - FLA



X10 - FLW

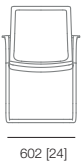


X10 - FLS

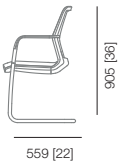
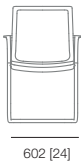


Workday

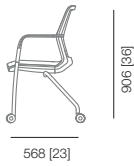
WD - CA



WD - CAS



WD - FLA



WD - CFA



WD - LWA



Cors

Cors - PS



Cors - PSA



Cors - WS



Cors - WSA



Cors - US



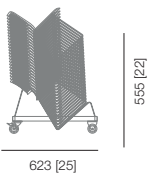
Cors - USA



Cors - USB



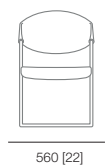
Cors - USBA



N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets. All Imperial dimensions have been rounded up to the nearest inch.

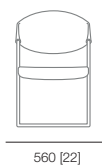
G16

G16 - 6003



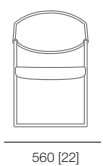
560 [22]

G16 - 6203



560 [22]

G16 - 6403



560 [22]



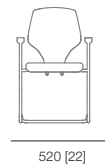
530 [21]

870 [35]



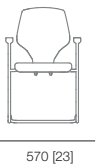
G64

G64 - 3003



520 [22]

G64 - 7003



570 [23]



550 [22]

910 [36]



Joy

Joy - 05



580 [23]

Joy - 06



680 [27]



560 [22]

860 [34]

Joy - 07



580 [23]

Joy - 08



680 [27]

855 [34]

Joy - 13



560 [23]

Joy - 14



680 [27]

Joy - 15



560 [23]

Joy - 16



580 [23]

Joy - 17



560 [23]

Joy - 18



680 [27]

950 [38]



Do

DO - HB



660 [26]

DO - HBA

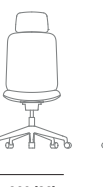


660 [26]

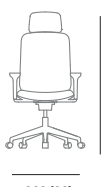


660 [26]

970 [38]



660 [26]



660 [26]

1170 [46]



660 [26]



660 [26]



660 [26]

1080 [43]



Ara Elastomer

ARA - EB



696 [28]

ARA - EBA



696 [28]

ARA - UB



696 [28]

ARA - UBA



696 [28]



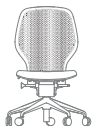
700 [28]

997 [40]



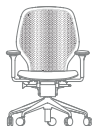
Ara Mesh

ARA - MB



696 [28]

ARA - MBA



696 [28]



700 [28]

997 [40]



Joy

Joy - 01



660 [26]

Joy - 02



660 [26]



630 [25]

930 [37]

Joy - 03



660 [26]

Joy - 04



660 [26]



630 [25]

1050 [42]

Joy - 09



660 [26]

Joy - 10



660 [26]



630 [22]

1025 [41]



Joy Mesh

Joy - 11



660 [26]

Joy - 12



660 [26]



630 [25]

1025 [41]



X10

X10 - MB



660 [26]

X10 - MBA



660 [26]



712 [28]

940 [37]

X10 - HB



660 [26]

X10 - HBA



660 [26]



712 [28]

1025 [41]

X10 - HBH



660 [26]

X10 - HBAH



660 [26]



712 [28]

1250 [50]

X10 - CC



660 [26]

X10 - CCA



660 [26]



712 [28]

1130 [45]



N.B. Metric dimensions are shown in black. Imperial dimensions are shown in brackets.
All Imperial dimensions have been rounded up to the nearest inch.

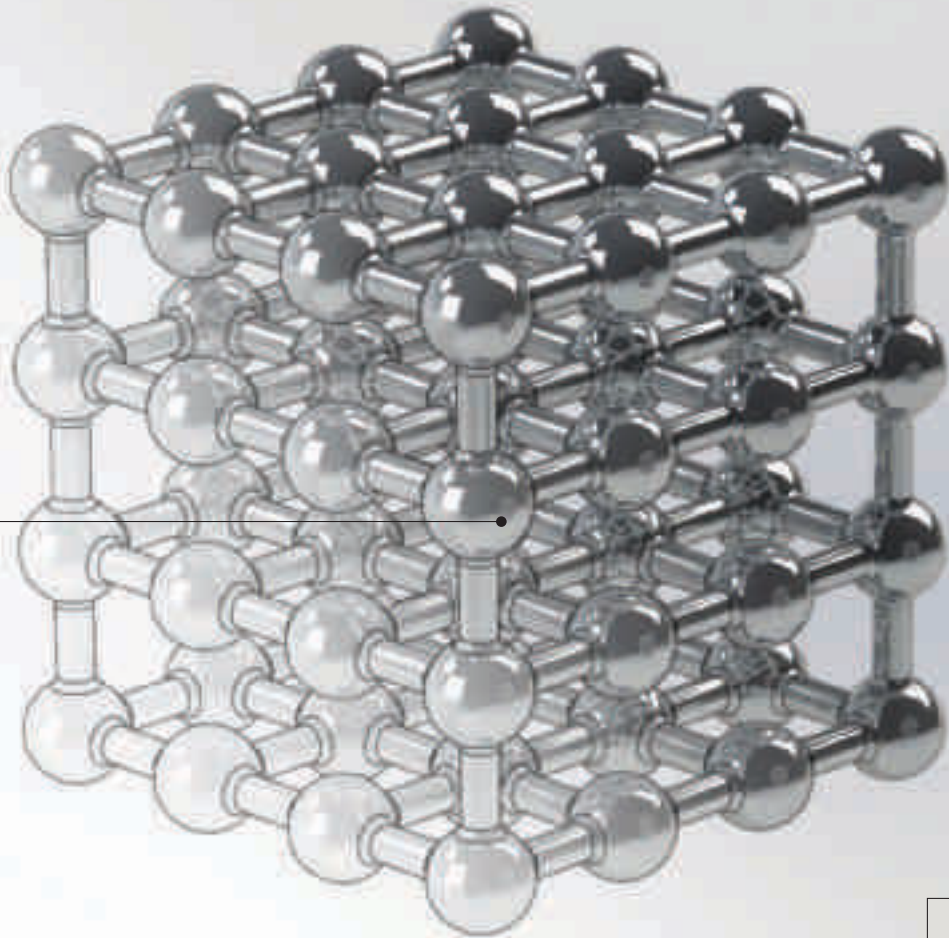
material matters

Materials are central to the environmental and social performance of our products.

Reducing our overall material consumption, to improve resource efficiency is a key driver to deliver a sustainable business strategy.

As designers we are keen to deliver these objectives in an effort to improve our products eco-credentials through material selection and application.

On our ‘good design’ journey over recent years we have collectively developed a material knowledge base. We certainly wouldn’t consider ourselves experts, in our experience there is still a lot of research to be done in this field. Here are just a few of the issues we’ve uncovered along the way.



1 During the recycling process Aluminium preserves it's structural integrity. The material doesn't degrade and its performance characteristics are maintained, time and time again.

2 Unlike Aluminium plastics are not suitable for repeated cycles of re-use. The molecules degrade rapidly via the process of recycling, thus down-cycling the material and limiting its ability to be re-used for the same functional application.

Aluminium V's Nylon

Comparing the environmental impacts of aluminium and nylon gives an indication of the complex factors that need consideration. Both materials show that the impact hotspots occur during the raw material extraction and refinement stages. The aluminium scores are higher than that of nylon and this can be attributed to the extraction and refinement of the aluminium ore, a material that is highly energy intensive.

Therefore we could propose that aluminium has a higher Global Warming Potential (GWP) than that of nylon. However when considering closed loop manufacturing and recycling potential the conclusions are very different.

Unlike aluminium, nylon cannot be mechanically recycled repeatedly nor on a one-to-one basis. It's common knowledge that low-tech mechanical recycling damages the base molecules of plastics and thus a recycled engineering nylon or polypropylene cannot perform under the same stress and loads as a part made of virgin material.

In addition to this, analysis shows that in some scenarios it is preferable to landfill or incinerate the plastic...which we try to avoid.

Polyurethane Foam - CHMR

At present the entire office furniture sector is heavily reliant on a petrochemical based polyurethane formulation to provide the cushioning element for the products we make, this material is very problematic to recycle and collectively we are using vast quantities of the stuff. The main issue here is the limited recycling opportunities for the used foams and landfill is still one of the only options available to us at the end of life.

“Even rapidly renewable soya-based alternatives only partially resolve the fossil fuel dependence, with as little as 15% of the oil part of the formulation coming from the soya bean resource”.

3 The molecules of the nylon structure below have been fractured as a result of mechanical recycling. The Aluminium structure opposite is pristine and remains unaffected from the process of re-smelting.



On a more positive note we have managed to collaborate with BASF to modify our chemical blend of polyurethane, reducing the Volatile Organic Compounds, which are toxic pollutants when incinerated or converted to energy. This is a big win as this is the only viable option besides throwing this material away. We all know we can no longer hide stuff underground, as there really is no ‘away’.

Bio Polymers

Natural fibre composites are a promising alternative to the glass fibre petrochemical composites we use. Currently they have a lot of benefits but also some compromises. Land and water use are obvious considerations coupled with ecotoxicity of the pesticides and fertilisers required to develop the crops.

Natural fibres and fillers held within the complex polymer matrix can be converted into energy at the incineration phase, perhaps a viable substitute to that of mechanically down cycling glass fibre alternatives. Another benefit is the biodegradability of the fibres by microbial communities, generating carbon dioxide & water, releasing zero pollution to the environment. Biodegradation is obviously only feasible if the polymer matrix within which the fibre sits can be biodegraded too! However the functional requirements of the components we design and manufacture require very high performance criteria, from the materials we ultimately specify.

At present the bio-based solutions available can't deliver these structural requirements and through our links with some Welsh Universities and our engagement with the leaders in this field of research (The Biocomposites Centre, at Bangor University), we have been advised that the advances required to satisfy our requirements are at least 3 – 5 years away.

Dematerialisation

Whilst developing the Do task chair we focused a lot of effort on material reduction. The results were impressive, achieving a 30% reduction in overall product weight. We know that reducing material weight is only beneficial for the environment if it doesn't compromise the durability of the product or demand more complex materials. Reducing part weight coupled with design for disassembly asks a lot of our materials and can often require high performance engineering plastics.

The more complex the polymer structure, in terms of fibres and fillers, the less conducive the plastic becomes to recycling, reducing the number of re-use cycles a given plastic can go through.



Please refer to our environmental document for further information or visit www.nogreenbull.com



At Orangebox, we deliver responsive, fully integrated service to customers, wherever they are in the world and whatever product they seek. We understand our obligation to the environment and our responsibility to manufacture and supply as efficiently and locally as possible.

Our international growth strategy supports our belief in partnering with great companies with a true global reach, to create a local network worldwide. Orangebox has a firm presence on every continent, allowing our global accounts and local customers to source our products from any location.

Phil Robbins
Orangebox Export Sales Director



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Offices will have to become a softer,
more humane environment.

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The Orangebox Book of Products.

Creating Great Collaborative Workspace

Creative Director - Gerard Taylor
Design - Russell Warren-Fisher
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Photography - John Ross & Richard Learoyd

Thank you to:

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While Boomers may have **worked hard and consumed hard**, the one thing they have not done is save for their old age.

McKinsey Quarterly

The message I get from Millennials, is 'Yes, I'll work for you, but I need to bring my pet parrot to work, and by the way, where's the cappuccino machine?'

The Trophy Kids Grow Up

Retirement increasingly becomes not a date on a calendar but a process and organisations who can extend that process for as long as it's beneficial to both sides, will have a competitive advantage for the next 20 years, a period of 'unretirement', 'recareering' and 'career shifting'.

Rainmakerthinking Inc



It's the best way to witness how alike this generation is, whether they're from the UK, India, China, France, Australia, or the United States. They wear the same clothing, have the same iPods, and mix and connect easily.

The Trophy Kids Grow Up