

# why Build walls?

orangebox area / cove / bay / linio



Airea pods SNCF Building - Paris

# why Build walls?

when you think about it logically, it makes no sense

in just one move of their life, pods and screens can save as much as 90% of the original cost... with virtually no dilapidation costs.

In today's economy nobody knows the future, when, where and how will your organisation grow or change ?

We are entering one of the most exciting periods of change within the workplace. Two fundamental assets within any organisation are its people and the technology they access. Both are changing more rapidly than at any other time in the history of the workplace. It is now more critical than ever to offer interior solutions that can be as agile as possible to allow companies to adapt fast and efficiently.

### airea / cove / bay / linio

Flexible interior architecture solutions, untethered from the buildings - imply move and change when you want.



## airea

**an acoustic room system with all the flexibility you will ever need,** and the perfect level of privacy and comfort.

## cove

**easily installed adaptable screens with integrated seating, tabling and shelving** allows you to create interior architecture without the need to bespoke build.

## bay

**mobile screening with a clean solid solution to flexibility,** enables you to change how you work, daily.

## linio

**screening that offers a beautiful, simple light touch on your workplace,** wallet and the environment.

78% of people say it is difficult to find meeting space these days.

*Boomers & Millennials research*

# airea

**Pods, screens and soft seating can transform**  
**'in between' spaces into great collaborative workspace.**

There's no question that we need to be more adaptable...  
Who knows for sure what their organisations needs will be in 5 years.

{ 'It's about helping people to **connect, network, collaborate** and foster better team trust and identity'. Airea pods reduce the need for expensive, inflexible static walls. }



How can you reduce the need for expensive, inflexible static walls ?

## what if the only things that needed to be fixed were the stairs, lifts and restrooms...

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

These all incur considerable cost over the initial build, not to mention the disruption. Airea and Cove do not; all the hard work has been done for you. Simply assemble, plug in and play.... and all with a guaranteed acoustic performance.

89% say there is currently an issue with under utilised space in the workplace.

*Boomers & Millennials research*



# airea

**the original acoustic pods re-engineered**

we have changed everything and nothing..

**6 years ago we developed a product to address the issue of flexibility and acoustics in open plan workspace.**

Every detail of the pods has been re engineered and improved to create an even more diverse range with higher acoustic suppression, enhanced integrated services and even greater flexibility.



**we have made enhancements to 3 key areas**

Light / Sound / Air



work / think / meet / present



# work

Use Airea pods drop in workspace when you need to focus in a quiet space.



# meet

When you need to have private meeting space, easily accessible to your workspace.

**privacy** where you need it

....with the **flexibility to change**

# think



Whether it's on your own or with a team, the pods enable you to close yourself away from a busy workplace.



# present



To create a flexible project space within easy reach of work areas is a powerful resource for any creative or knowledge teams.



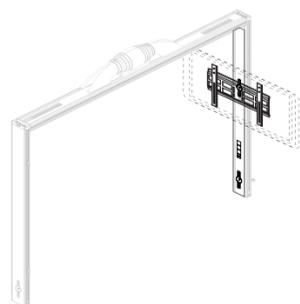
# technology integration

we realise it's important to be guided by the client

**It's not always our place to specify what type of equipment to use, more to facilitate as many alternatives with as much ease as possible.**

Presentation screens, interactive whiteboards and video conferencing equipment can be mounted easily to the service hoops, allowing cabling from equipment to run hidden within the hoop and out to a floor box.

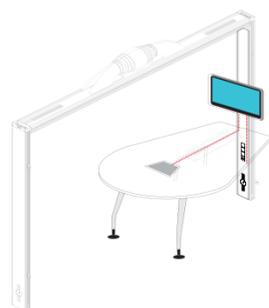
OPTIONS FOR DISPLAY MONITORS / VIDEO CONFERENCING



large monitor mounting bracket  
(32 - 55 inch)  
maximum weight 50kg



swivel VESA monitor mounting bracket.  
maximum weight 24kg



Integrated media tabling connects directly to the hoops with simple power, data and AV connectivity built in.

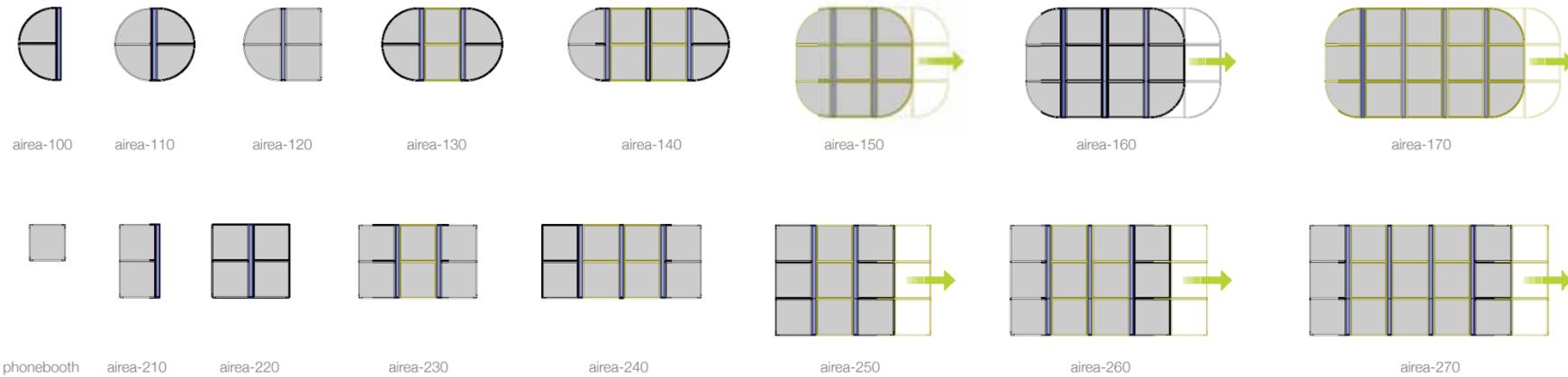


100% reuse, the best form of recycling is to keep reusing.

# flexibility

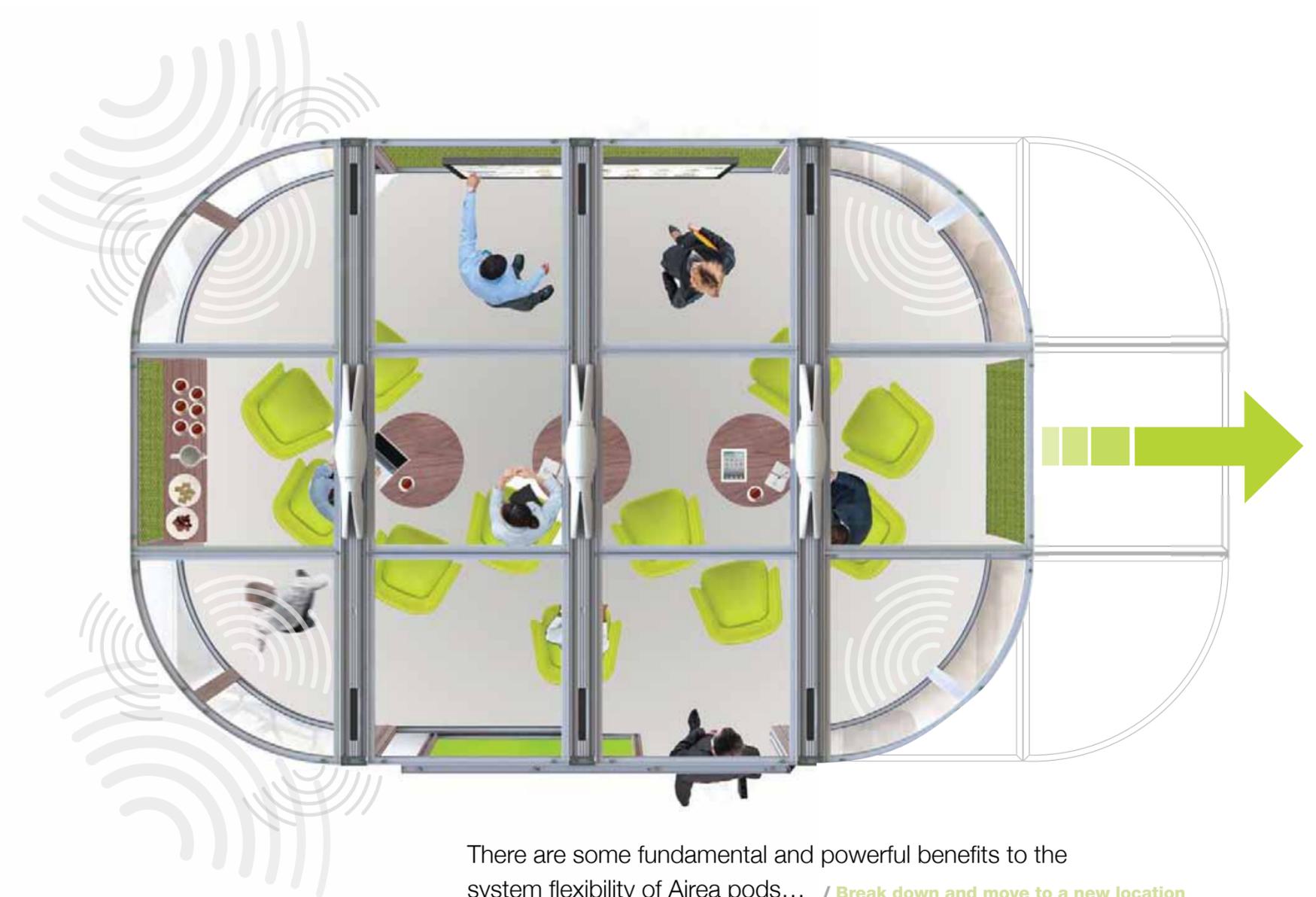
Airea product range spans over 25 options and varies in size from a 2 person meeting pod to an expansive presentation space...

Airea is the most cost effective solution against fixed partitioning, saving as much as 90% of the original costs on just one move in its life. Airea pods are a true system solution, comprising of simple building blocks, all interchangeable to allow easy reconfigure of any variation.



## no bespoke = no waste

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



There are some fundamental and powerful benefits to the system flexibility of Airea pods...

- / Break down and move to a new location
- / Expand or reduce the size whenever you want
- / Freedom to change your layout without incurring high costs

colour coded finger knobs  
makes assembly easy.

# ease of assembly

Quick assembly saves valuable time and money on installations, simplifies re-configuration and makes it safe and easy to install.....

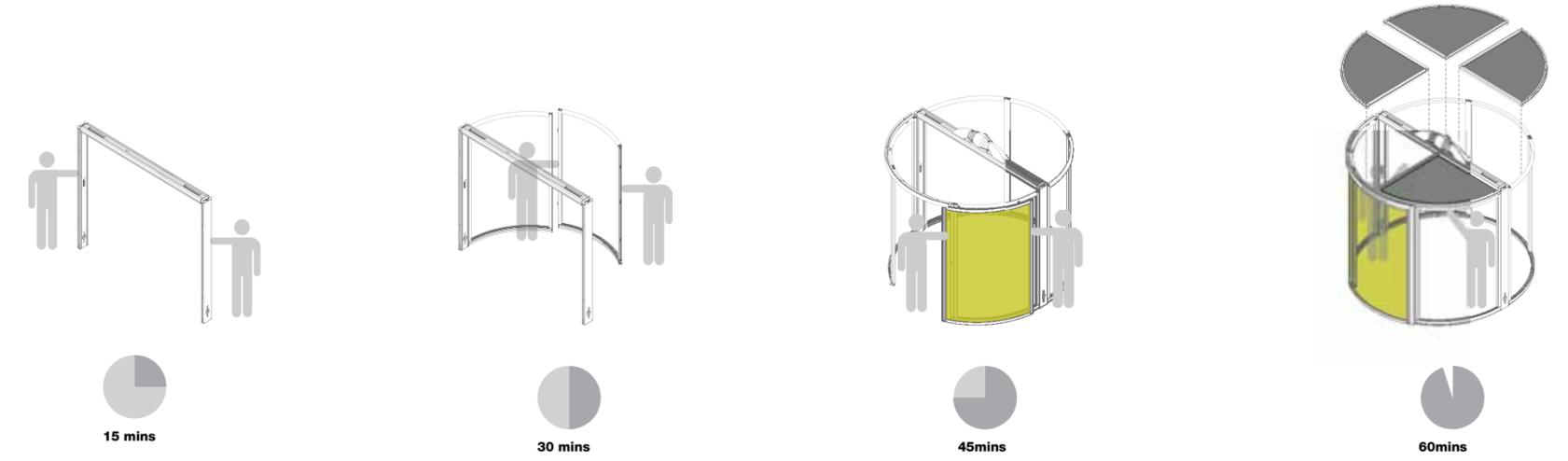
The pods consist of 4 primary elements, the hoop, screens, sliding or hinged door and roof panels. The hoop is the heart of the product containing all the technical & electrical services such as power, lighting and airflow and comes in three sections with simple plug and sockets for connecting the power during assembly. The screens and doors simply hook onto each other from the hoop and are finally locked into place by the roof panels.

one tool / 2 people / one hour...



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

Orangebox offers a full delivery and installation service with experienced and skilled installers to make sure the products are assembled on site to the highest standards.



# party walls

is a new addition to the Airea system enabling rooms to be joined together with the right level of acoustic separation for speech privacy.

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. Through extensive testing and acoustic engineering, we are able to accurately control acoustic levels between rooms through a very shallow divider party wall at only 100mm thick.



100mm thick party wall



a specific combination of acoustic materials absorb and dissipate speech



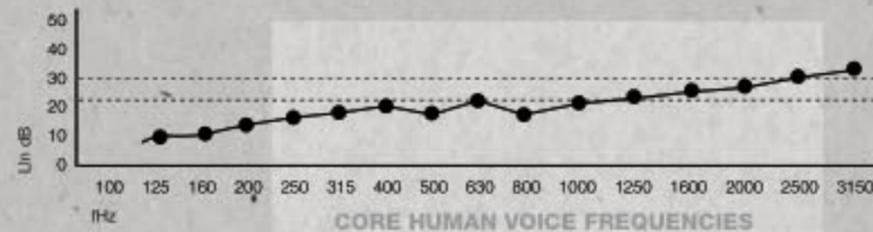
what's exciting about this solution is it opens up opportunities to use the pods in new ways such as

## joined workrooms

back to back and in rows, making it very efficient on footprint.

# acoustics

airea pods are designed to maximise privacy through suppressing noise frequencies generated in a workplace environment.



During the engineering process it was critical to focus on core human voice frequencies allowing us to fine tune the acoustic performance.

Standardized level difference according to BS EN 140-4 (Airborn sound insulation between rooms)

any sound lost is **muffled and unintelligible**

upholstery panels absorb whilst acrylic reflects to create a **natural balance of sound within the pods**



**ambient sound, bounces back or is absorbed by the upholstery**

**C**ombination of soft fabrics and hard acrylic materials on vertical surfaces creates a balanced **NATURAL SOUND INSIDE THE PODS**

**U**nintelligible speech is achieved within the pods at + 60 dB ambient **HIGHER ACOUSTIC PERFORMANCE**

**T**echnically advanced roof paneling plays a major role within the pods **ABSORBING SPEECH FREQUENCIES**

**A**coustic seals between joints and specially designed, continuous triple seals between extrusions **ENHANCES ACOUSTIC PERFORMANCE**

**O**utside ambient noise adds to the "privacy factor". The higher the level the **HIGHER THE PRIVACY**

**S**eals on the door have been engineered to create a snug fit when closed. **REDUCING NOISE LOSS**

**I**mproved "privacy" factor with noise suppression levels now at 28dB **LESS SOUND ESCAPES**

**C**ombined design intelligence and acoustic engineering has created a **PERFECT BALANCE** between acoustic performance and flexibility.

vertical frame triple seal system ensures the best acoustic performance between screens.....absolutely no gaps

**28dB noise suppression**

**AIREA PRIVACY FACTOR**  
 50dB (quiet office) Ambient = **78dB privacy factor**  
 60dB (busy office) Ambient = **88dB privacy factor**

# airflow

by limiting the CO2 build up you can dramatically improve concentration levels, comfort and ultimately productivity.

Extensive research into airflow within the office has shown that CO2 is the most important element to control within the pods.... even above heat.



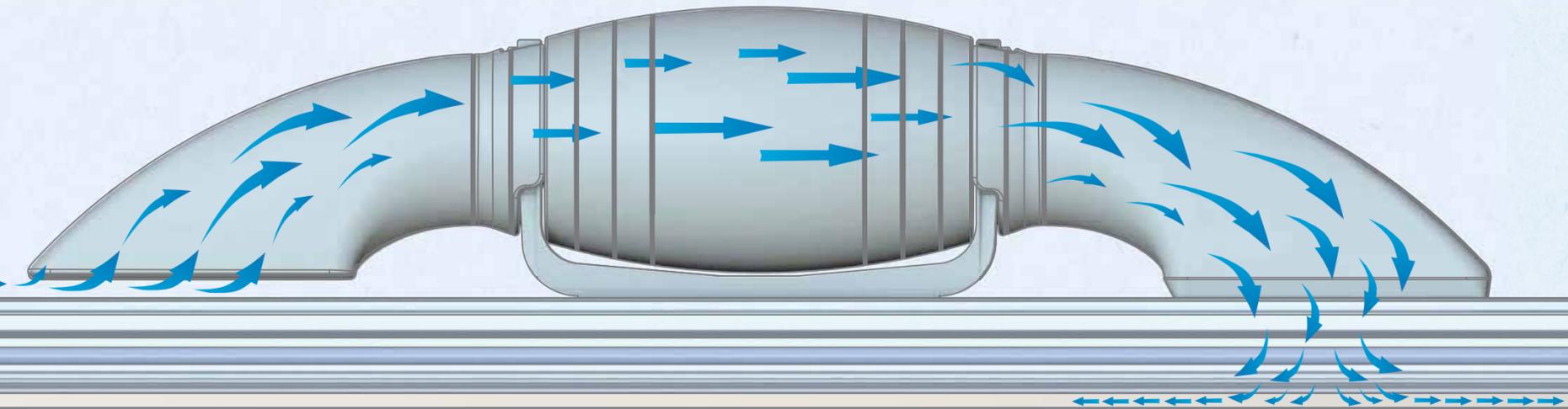
CO2 levels can reach up to 2000ppm easily in an enclosed room without proper air circulation, this has an effect on your concentration levels and can create tiredness.

The pod airflow system controls CO2 levels reducing it to between 900 to 1200ppm

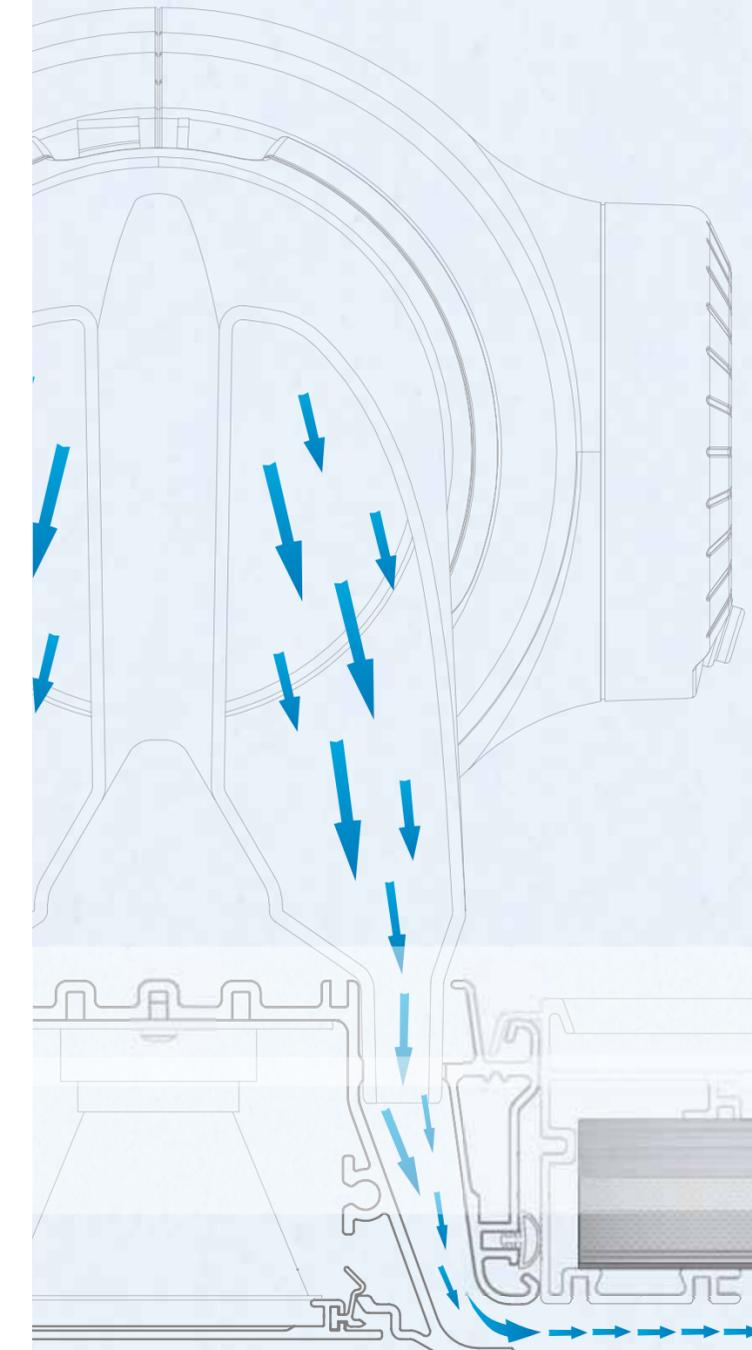
Advanced fluid dynamic engineering allows the uniquely designed air circulation system to deliver between 280 / 380 m3/h of low noise airflow through each hoop. That's 140 L/s per hoop... (4 people per hoop = 35L/s per person) 10 L/s is the minimum per person required.

## 'coanda effect'

A continuous channel allows the air to flow smoothly across the ceiling, air sticks to the surface using the Coanda effect and curls around and upwards within the pod at a pressure, to enable poor quality air to be pushed out through the extraction vents.

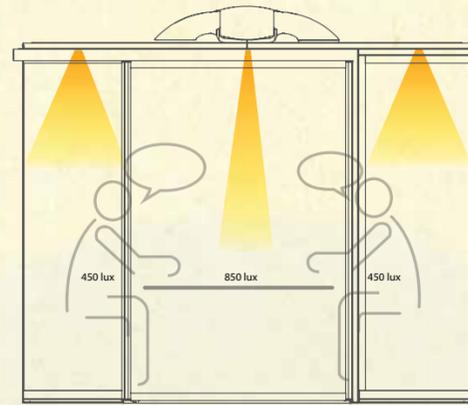


Specially engineered "pressure increase" airflow slots, either side of the hoops, increase air speed across the ceiling.



# lighting

central to the environment of area is the integration of LED lighting, outer ceiling lights create a great ambient level, balanced with a central positioned fitting that creates accent task lighting.

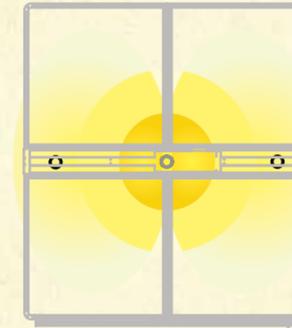


- high light output with low energy consumption
- extremely long lamp life (min. 50,000 hrs)
- recyclable components
- zero maintenance as no lamp change required
- automatic control provided by PIR activation and switch-off

The outer lights generate a great ambient light level whilst the centre light delivers a beautiful accent light pool in the middle of the table...creating a much more vibrant feel to the rooms.

The intuitive scene settings of **WORK / THINK / PRESENT** deliver variable lux levels - up to 850 lux on the table and a general ambient lighting of 450 lux.

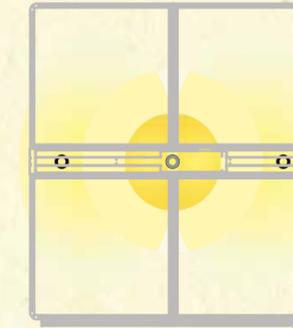
The advanced LED lighting delivers a **ZERO MAINTENANCE SYSTEM** using not only **25% LESS POWER** but also saving further energy through the use of automatic PIR control.



100% lights on  
for when you need full level light.



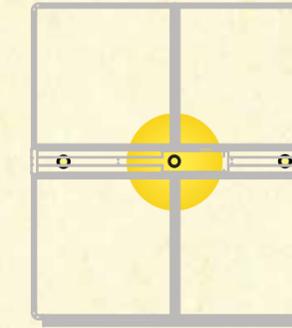
**WORK**



centre light 50% / outer lights 50%  
for when you need lower light.



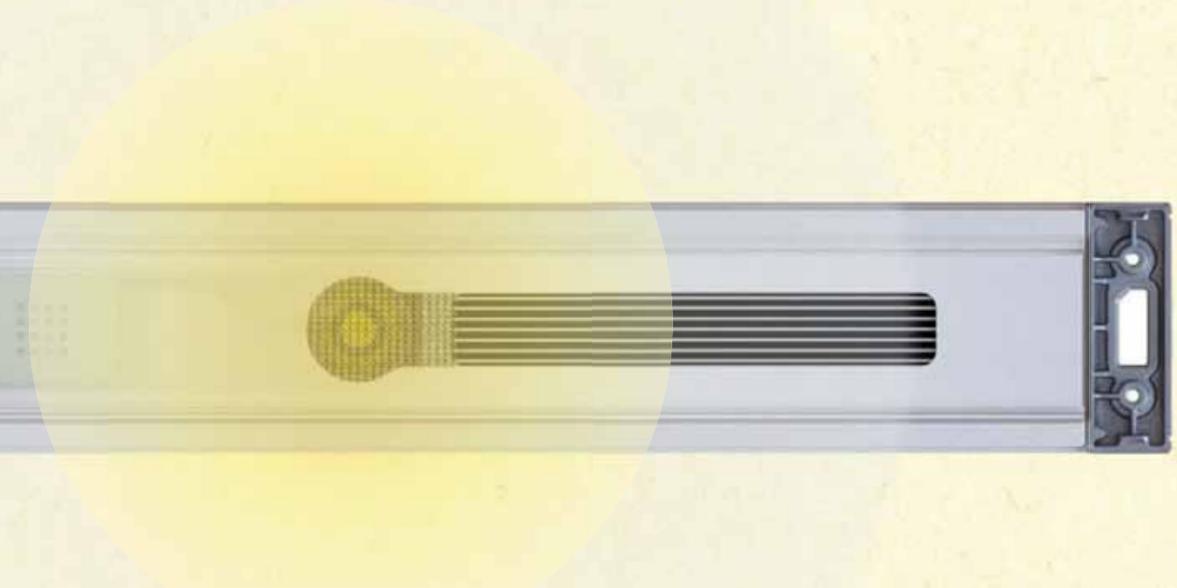
**THINK**



centre light 20% / outer lights off  
for when you need to reduce  
levels & minimise glare



**PRESENT**





{ all the complex stuff stays on the hoop }

# user controls & services

These days we have sophisticated control over most elements in our car such as acoustics, lighting and ventilation why shouldn't we have the same level of personalisation and control in our work environment.

The service hoop offers a unique solution to house power, lighting and ventilation and enables display screens, interactive whiteboards and video conferencing equipment to be mounted easily.



POWER / DATA

The power solution is seamlessly integrated within the services hoop and feeds the power required for the lighting and air flow system.



LIGHTING

Intuitive lighting turns on automatically when you enter the pods... and off 15mins after you leave. An integrated PIR sensor within the hoop detects movement.



USER CONTROL

3 scene settings are available:  
**Work** - for when you need full level light.  
**Think** - for when you need to lower the mood.  
**Present** - for when you need to reduce levels / minimise glare.  
**Airflow - 3 options available:** Full Speed / Half Speed / Off  
 Allowing you to cater for the amount of people in the pod.



# work / think / present

## CLIENT PROJECT - NEWCASTLE UNIVERSITY BUILDINGS

### In 2009 the brief to FaulknerBrowns was to refurbish the Newcastle University Building:

As the only resource, it was still very busy, but with no overhaul since the 80's and a legacy of tough use it was a fly posted, non DDA building in need of a major refurbishment. Grade 2 listed status and an infamous reputation made this a project with heavy responsibility.

Working to such tight criteria as fixed budget, BREEAM, disabled access, and a fixed deadline was no easy task. FaulknerBrowns recognised the flexibility of the Orangebox products, especially the Airea meeting pods and specified the Airea meeting pods on the project.

This was a building that needed to be outstanding, and it is:

*"The environment created is truly inspiring, and will undoubtedly meet the needs of our students for many years to come."* **Simon Gerry - Chief Executive Newcastle University Students Union**



'collaborating in an always on workplace'

# COVE

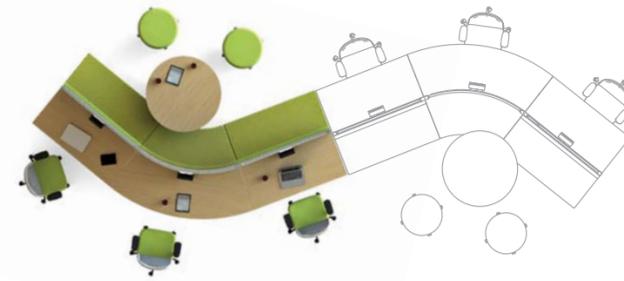
combines tabling, seating and screening  
in a system of configurations  
that offer workspace for touchdown to resource...

## **MORE FLEXIBLE, MORE DIVERSE**

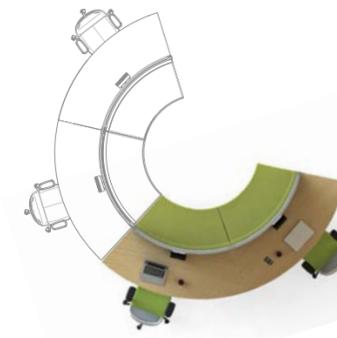
**When you need to change or expand simply break down and re-configure. No need to buy new, no dilapidation costs.**

*"Buildings used to have a five to fifteen year life cycle, as it takes a little time for the business to shake out. This is changing fundamentally. Previously, a building was for the long term, but now it can't necessarily be, because, three years is too long into the future".*

*London Millennials & Boomers workshops*



TO-10



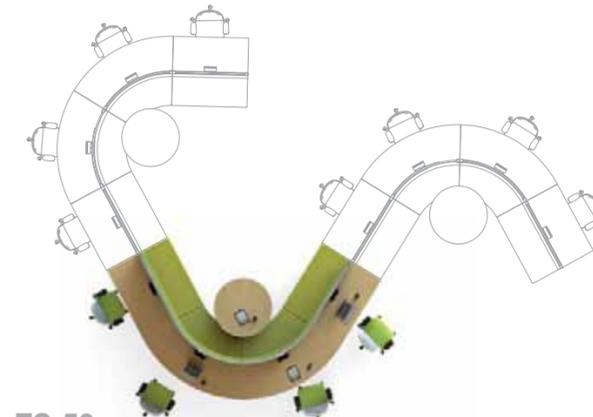
TO-20



TO-30



TO-40



TO-50



TO-60



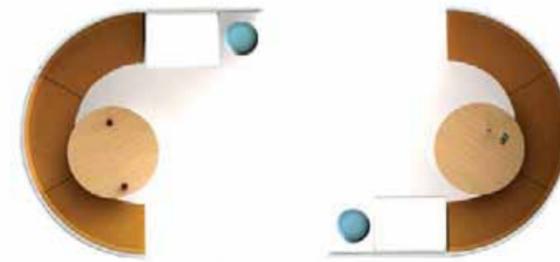
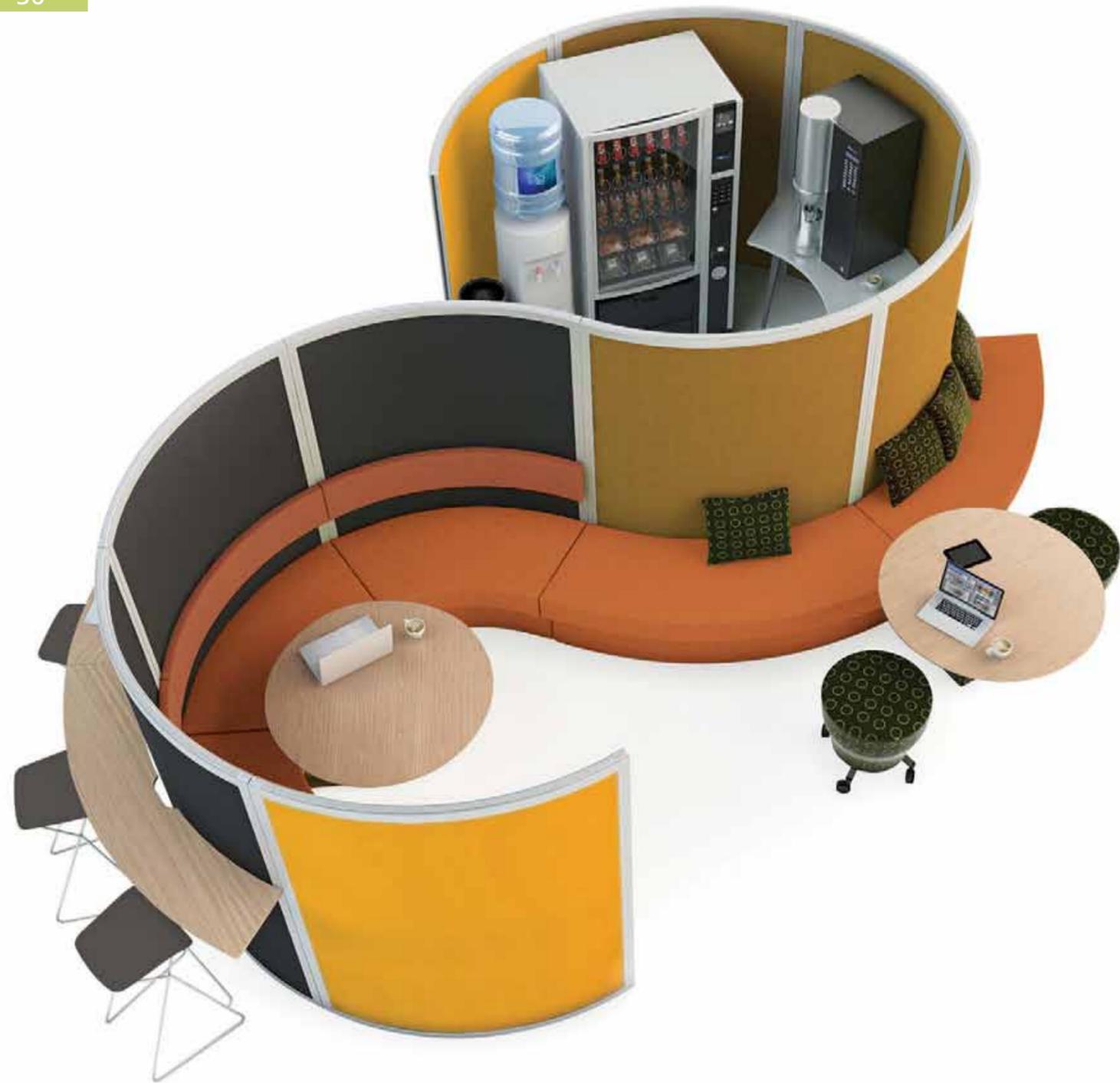
TO-70



TO-80

When you need an area for staff and transitional workers to  
**touchdown and connect** with their colleagues.  
**A work surface you don't own but makes you feel part of the team.**

# touchdown



BR-10



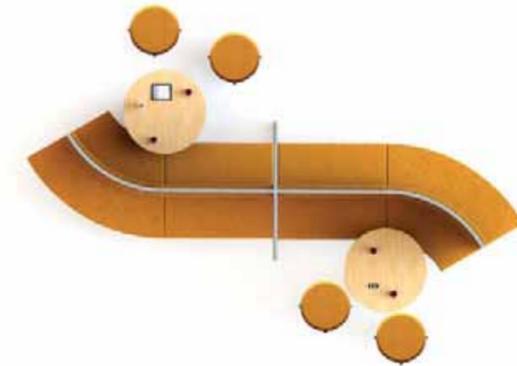
BR-20



BR-30



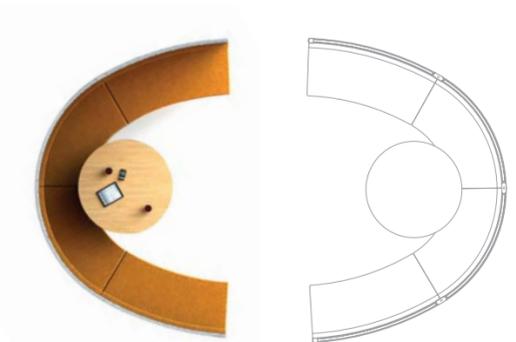
BR-40



BR-50



BR-60



BR-70

# break

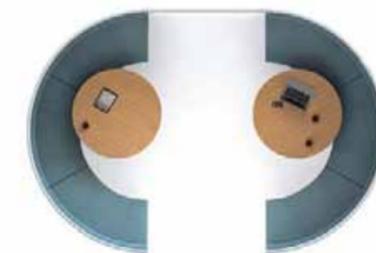
It's important to take a break and relax. It's also important to recognise the power of **communication between colleagues** when taking a break. Giving back great space to wind down in makes working less stressful.



COL-10



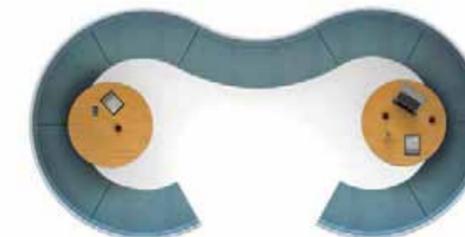
COL-20



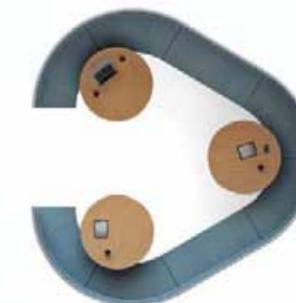
COL-30



COL-40



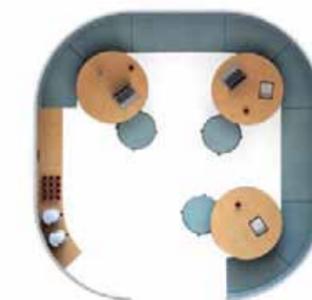
COL-50



COL-60



COL-70



COL-80

This type of team work be it 4 or 10 people, requires **easily accessible and adaptable workspace** outside of the desk. A boardroom will not do, a more relaxed approach is critical to trigger innovation and ideas.

# collaborate



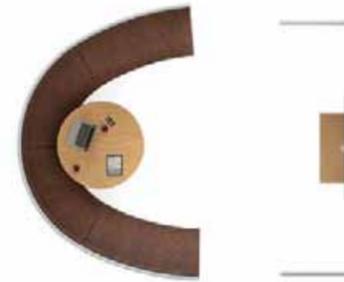
COM-10



COM-20



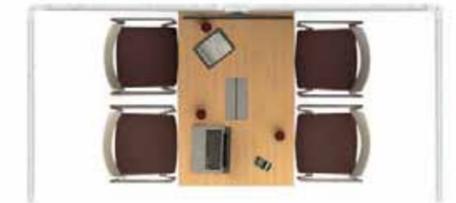
COM-30



COM-40



COM-50



COM-60



COM-70



COM-80

It's now more feasible than ever to communicate using **video conferencing** or **instant messaging**. In order for this communication to work across an organisation it's important to create small scale, easily accessible communication areas.

# communicate



RE-10



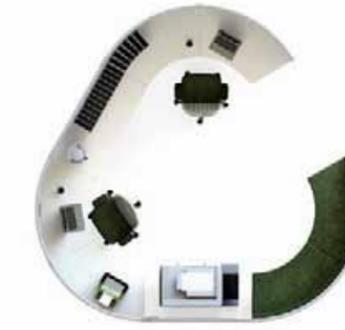
RE-20



RE-30



RE-40



RE-50



RE-60

# resource

The control of clutter and noise in resource spaces is often overlooked. It's clear from research that **disruptive noise from printers and photocopiers** can lead to a reduction in productivity and an increase in stress. Screening and controlling this noise is therefore critical to workspace.



ST-10



ST-20



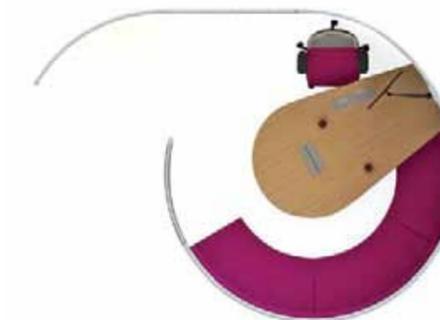
ST-30



ST-40



ST-50



ST-60

# study

For those times when you need to focus or study by yourself with minimal distractions, a simple **upholstered screened space can be a welcome oasis in an open workplace. These study spaces work both in an education setup and a corporate workplace.**

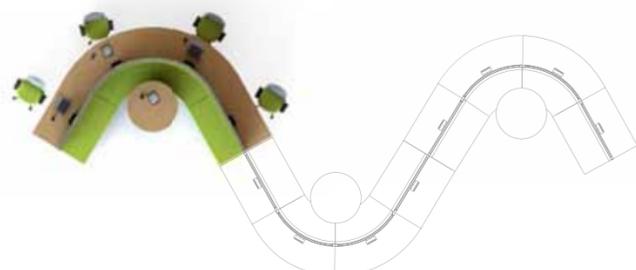
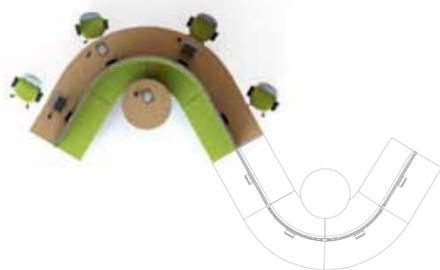
# flexibility

Cove is a truly flexible system of screens, tabling and seating that can be configured into a vast array of shapes and heights at point of order...

**The power of being able to move and expand COVE... speaks for itself.**

No dilapidation costs, and like Airea, just one move in it's life could save as much as 90% of the initial cost.....**'so why build walls?'**

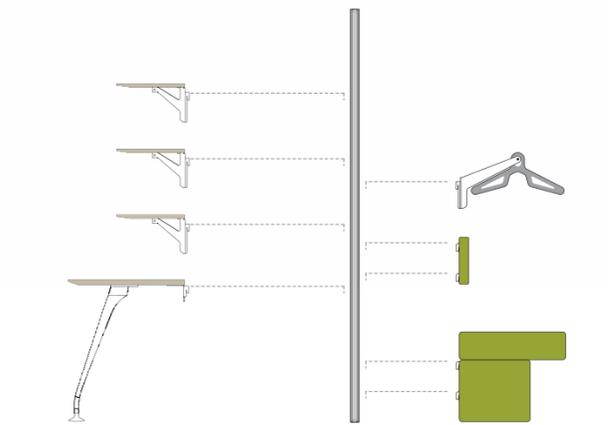
**What's more exciting is the true value of being able to re-configure on site with ease.**



## move and expand

**Cove is assembled on site by a simple 'hook & bolt' system enabling a vast array of configurations to be created with ease and speed.**

All the hard work is taken care of by us, simply space plan and order. Installation can be carried out much closer to the end of a project, with no shopfitting, disruption or project management.



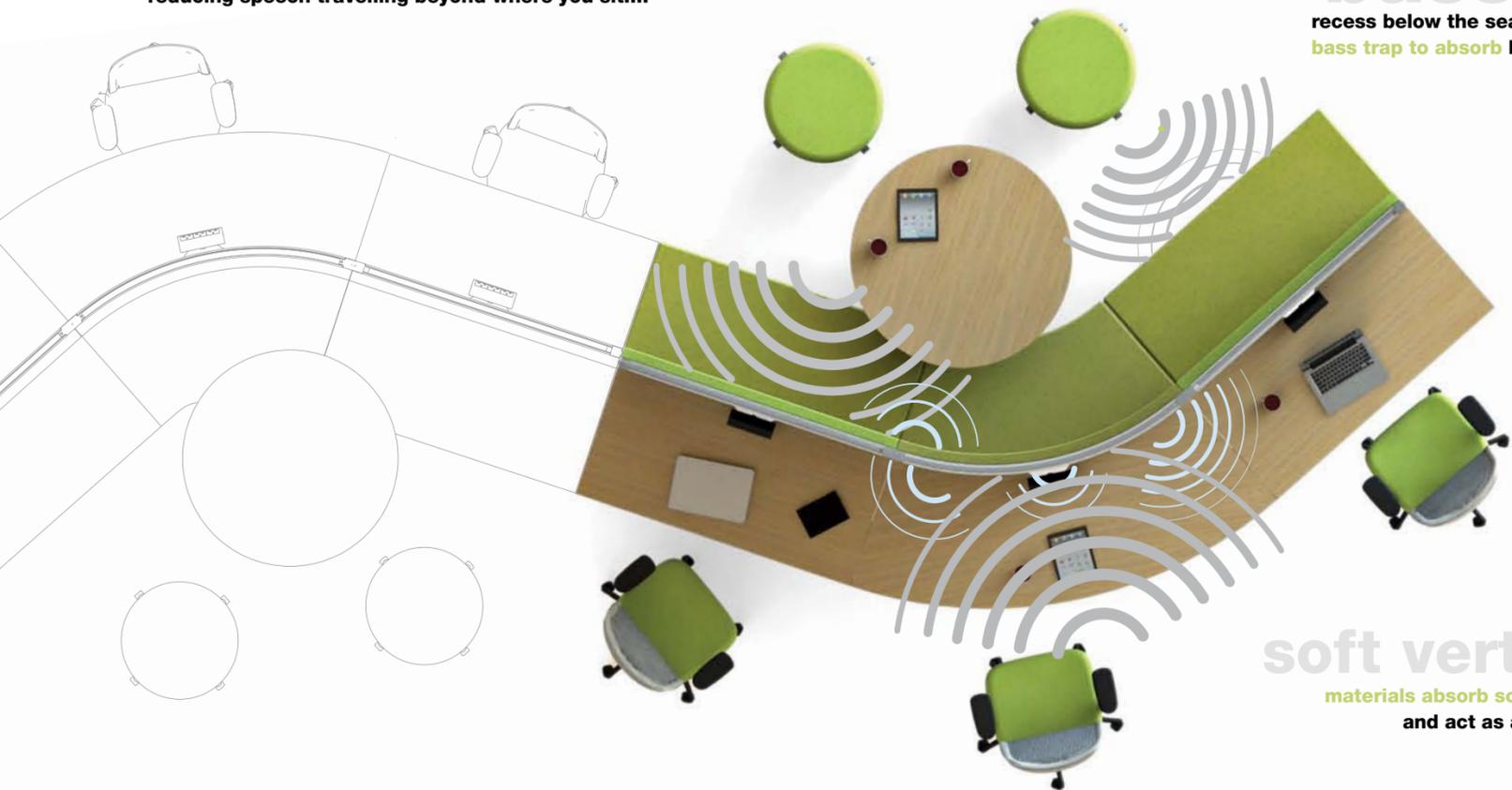
# acoustics

Cove combines vertical surfaces with soft seating to create a natural balance of speech absorption and reflection - allowing for complete acoustic control.

**Simply move or change the screens to fine tune the room acoustics.**

## soft seat cushions & backrests

increase surface **area of absorption**, greatly reducing speech travelling beyond where you sit...



## bass trap

recess below the seat acts as **bass trap** to absorb lower speech frequencies

## soft vertical wall

materials absorb sound, reduce reverberation and act as a barrier to office noise...

## vertical noise reflective barrier

speech trap through soft surfaces



## absorption from soft seating cushions & backrest



## bass trap

created through **seat overhang**

# bay

'a comprehensive range of screens with upholstery and acrylic infills'

**In a workplace that's constantly changing and 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.

1270mm | 1570mm | 1870mm

**3 height options available**

Creating an agile workspace is becoming critical to the productivity and evolution of organisations, in a time when we are faced with one of the greatest shifts in technology within the last few decades.



communicate & discuss

## flexibility and change

**work and collaborate**



The simplicity and flexibility speaks for itself....

# bay

**Bay can be used simply as a single mobile screen or easily connected in 4 different ways to create a multitude of shapes.**

28 screens | 4 foot options | 4 connection options

13 acrylic infills | 3 fabric ranges | 85 colours & patterns



mobile foot



3 way connectors



4 way connectors



flexible connectors



hook on screen connectors

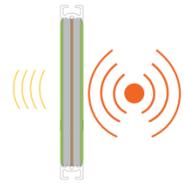


# linio

intelligent design allows the screens to be assembled and reconfigured easily and quickly, making it flexible, efficient space division.

A beautifully light screen created to provide an aesthetic solution when surrounding soft seating and tabling. Linio perfectly matches and complements the Orangebox Perimeter seating system.

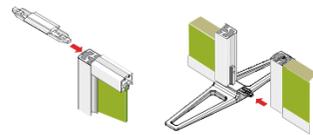
Using anodised aluminium frames creates a coherence with Airea, Cove and Bay screens. An extensive choice of infills can be used to create a great balance of soft and hard surfaces both opaque and translucent, and all in a range of complementary colours.



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



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



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

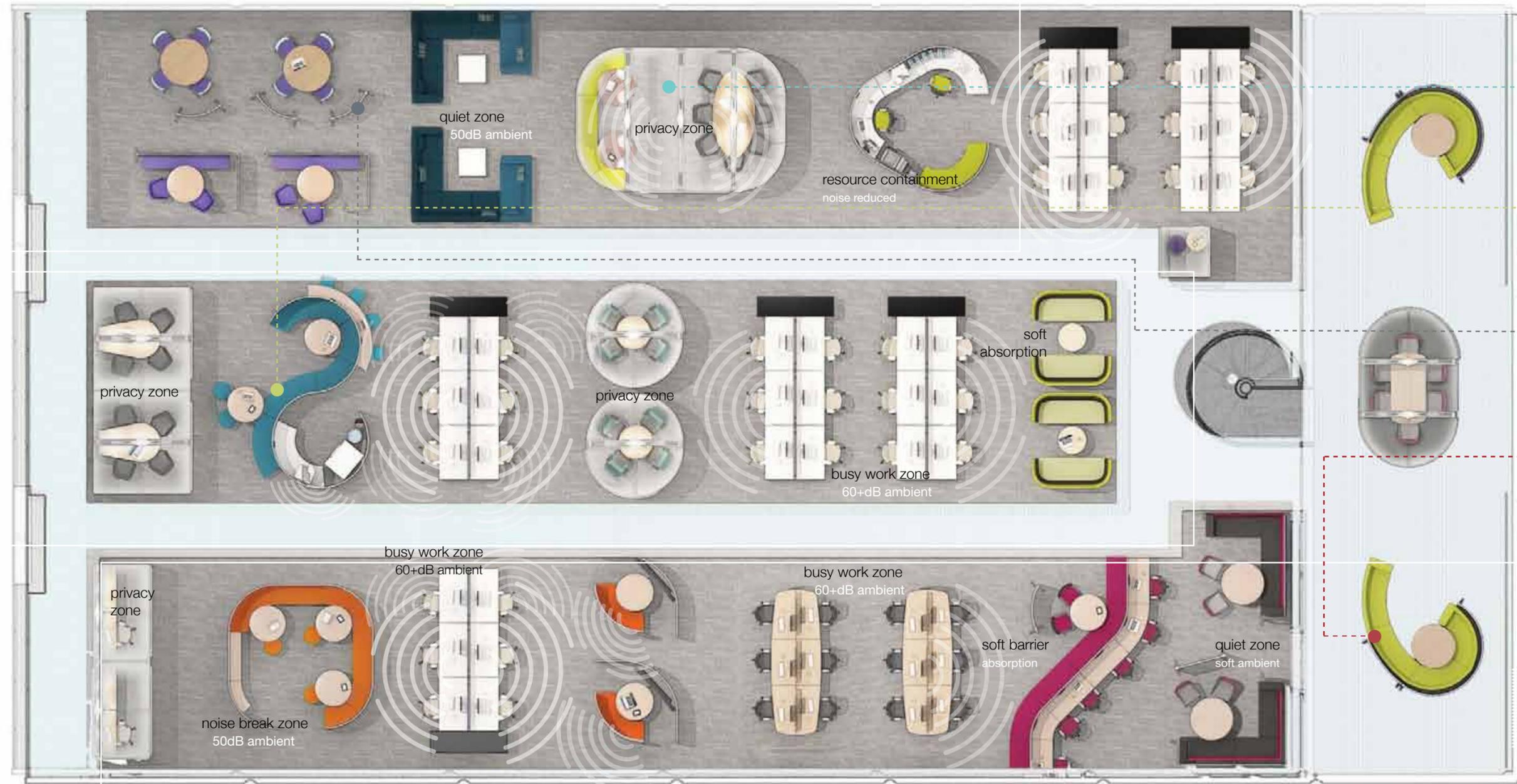


two foot options; aluminium spreader foot or fixed plastic foot, allow you to cater for a range of different floorings.

simplicity / choice / function



Creating great workspace through **air quality, lighting & acoustic control** is critical to generate the most comfortable work environment...when this is achieved, productivity can increase, dramatically.



# airea

an acoustic room system

# cove

flexible and easily adaptable screens

# bay

mobile screening

# linio

light weight screening

**The “why build walls” concept creates the freedom to put privacy where you need it...**

Relying on exterior walls for fixed partitioned rooms and ultimately taking away valuable window space, is a false economy that generates poor acoustic space planning by trapping office noise in the centre of a floor plan.

orangebox

airea / cove / bay / linio

**It's important to break up open plan space to achieve an acoustic balance....**

Divide up workspace by planning acoustic pods and screens in between working areas.

This generates a reduction in speech reverberation, ultimately making the whole environment quieter.

orangebox

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**Showroom**

33-39 Bowling Green Lane,  
London. EC1R 0BJ  
T. +44(0)20 7837 9922  
F. +44(0)20 7837 4441

**Northern Office & Showroom**

Bates Mill, Colne Road  
Huddersfield. HD1 3AG  
T. +44(0)1484 536400  
F. +44(0)1484 536410

**Head Office & Manufacturing**

Penallta Industrial Estate, Hengoed,  
Mid Glamorgan. CF82 7SU  
T. +44(0)1443 816604  
F. +44(0)1443 816638

**email. [showroom@orangebox.com](mailto:showroom@orangebox.com)**

**[www.orangebox.com](http://www.orangebox.com)**