

Camper & dens.

Intuitively define *your* workspace

Information technology has been steadily re-shaping our concept of what 'going to work' means since the 90s, and we've had to establish new and innovative ways of working to accommodate it. In a constantly shifting landscape, feeling relaxed and secure with change is key to a successful workplace, which is why being able to rely upon our intuitive selves is the next logical step. The simple fact is that you already know how to 'be' at work: the ideas Orangebox is expressing simply enable this...



orangebox

As children we all enjoyed the feeling of private spaces and learned to appreciate the significance of solitude and to respect and abide by the unwritten rules of personal space. **When spaces felt too open and exposed for us, we intuitively divided them up, and we let everyone know about it using visual clues and signs.**

Wellbeing has never been so critical to productivity and employee retention, and making people feel safe, comfortable and focused in the workplace is going to become part of the new benefits package needed to attract talent.

In order for these spaces to be valuable and efficient, **they must intuitively communicate their function** to employees. And, at the same time, they must convey the employer's unspoken approval and permission, so that everyone feels comfortable in the use of any space.

Trust and confidence are vital: you don't want to be afraid that your boss is judging you for not working when you're in a booth relaxing for 10 minutes. To achieve this we need to break down the traditional barriers between senior management and employees.



Thinking about campervans and campsites gave us our defining idea,

providing a template for how we intuitively engage with people in open spaces and also how we can physically define layers in our surroundings so that we're able to function alongside others.

This was the catalyst for researching both the open-plan workplace and what intuitively happens within it. How can you focus when working at a shared bench if you're alongside a colleague with a foghorn for a voice? Common sense backed up by research tells us that rules aren't helpful or enforceable in this situation.

The story of the layers was critical to the development of Campers&Dens, and was the driver for physical solutions that work, and work simply. The five intuitive layers helped us define both the physical product and the narrative of how they are applied within the workplace.

The five layers help us to understand and communicate the language and function of how we're able to move between collaboration, focus and reflection.

We can use these layers to delineate the evolving and continually flexing workplace.



The past 12 years have given us first-hand insight and

a fresh clarity of vision that's enabled us to once again reinvent the 'built environment'.

Campers
&dens.®

Intuitively define *your* workspace

The office is

DEAD!

alive and

kicking!

Long live the *new workplace.*

Have we lost our sense of the rules of engagement in the open-plan office?

All too often in an open-plan environment we see people on shared workbenches using headphones. This is a warning sign that something is wrong. The open-plan environment intuitively shouts “no rules”, but at times this isn’t helpful: for instance, when people are doing focused work and need to be left alone. Unfortunately, headphones alone aren’t enough to discourage colleagues who want to interact with you: more often than not, they’ll simply hover next to you until you take them off. The facility to hide and focus is not available – or doing so may be frowned upon.

Recent neuroscience research (published by Harvard Business Review in Oct 2017) identified three basic modes of attention that we move between during our workday: controlled, stimulus-driven and reflective attention. Each of these modes requires very different work settings, and it’s this understanding that informs much of our thinking and development at Orangebox.

Moving between **CONTROL**, **STIMULUS** and **REJUVENATION** requires settings and spaces that differ physically and acoustically, each offering a differing psychological feel.

To flick the switch in the mindset of employees and employers, helping them towards the right choice for the type of work they’re doing, there needs to be an intuitive difference between the settings for these three typologies.





Headphones alone aren't enough to discourage colleagues who want to interact with you!

Is the office as we know it gone forever?

Research shows that use of the word “office” has been decreasing since its peak in the 1950s, and that it’s no longer the most desirable or correct term to describe the workplace. Driving this shift is a mix of new gen rebellion, the increased importance of collaboration, and the new freedom we all have to work anywhere (thanks to truly mobile tech and cloud storage).

It isn't all that long since we moved from CRT monitors to flat screen, from tower PCs to laptops, a move that gave us the freedom to work away from the desk – though we still needed our files stored locally, and required a good, secure connection. Now, laptops are being replaced by tablets powerful enough for planning, programming and even some CAD, and, with all the software and data run from the cloud, there's no longer a need to store anything locally.

The market has been migrating gently away from traditional rows of desking towards a more varied landscape that enables increased collaboration, with desk sizes gradually getting smaller. This migration is reflected in the percentage footprint of *Smartworking* being specified into projects increasing from 10% through to 50% and beyond recently.

More wellbeing please, it's the new valuable commodity and company benefit.

The new work generation are also pushing this change as recompense for being “always on” rather than working 9 to 5, leading employers to offer great ‘destinations’ that we love to hang around in, which foster better collaboration and connection.

It's clear that the “perfect storm” of the pandemic is a major catalyst for positive change around the globe. Clients are already talking about an eye-watering acceleration in the pace of change, predicting that the time it takes to evolve their spaces into smarter collaborative environments will shrink from 10 years pre-virus to just one or two years in its wake. The aim now is to create places where teams can connect, where innovation and creativity is encouraged and smarter cross-department collaboration facilitated, leaving less focused solo desk work to be done at home.

The pandemic is also underlining the vital role of the workplace in offering **delightful destinations for social collaboration and connection**, and for retaining and nurturing brand culture – aspects of the workplace we will never take for granted again.

Imagine flipping things round so you focus at home and connect in the workplace; a new normal of working from home on Monday and Friday and visiting one of your company's “social community spaces” (the new workplace) from Tuesday to Thursday.

So, what might these new workplaces be like? Spaces with wellbeing at their heart, where we can connect, cook, eat, drink, collaborate, relax, communicate face-to-face, and take yoga or meditation classes. Where we come up with and share ideas, solve problems and can be creative, sociable and innovative. Where we connect with others, keeping our phones on “Do not disturb” and actually talking to each other. **Sociable community spaces that reflect and build your brand, where valuable face-to-face connections are made, relationships forged and collaborations fostered.**

These newly social spaces could be somewhere big businesses support and nurture local small businesses, for the benefit of everyone. They could be amazing spaces filled with plants (or even have indoor allotments!), and host local farmers' markets and pop-up food stalls. And they could do all this not just in the big city but in a town close to where people live, reducing their commute and enabling them to bike to work.

The exciting and positive directions that are being predicted will demand agility and flexibility from everyone and everything, especially from interior architecture. With change and unpredictability now the only certainty, buildings need to be blank canvases, capable of change not just in two to five years but month by month. In *Campers&Dens*, Orangebox has created interior architecture with the flexibility and agility to instantly adapt, reflecting and supporting these rapid changes.

So, you see, the workplace is very much alive!

Mark Partridge – Interior Architecture Design

INTUITION

in.tu.i.tion /

noun

1. direct access to unconscious knowledge
2. an inner sense
3. an insight based upon feelings rather than facts.

The thing is... **you already know how to 'be' at work, our ideas simply enable it...**

From a very early age we are encouraged to **use spaces intuitively**. The workplace needs to simply work and have all the tech connections and facilities – from seclusion, acoustic pods and phone booths to kitchens and cafes – in place so that you can just walk in and **understand intuitively** how to use the space, just as you would a park or campsite.

We are social animals, and in order to create communities within the workplace we need places where we can connect. It's important, however, that we understand both what each space is for and the message the person using it is conveying as intuitively as we do when we're in the park, when it's obvious that someone sitting under a shady tree doesn't want to be disturbed, and that we shouldn't crowd someone sitting alone on a bench.

Orangebox has taken intuitive cues to broaden the scope of interior architecture way beyond enclosed rooms, in effect bridging the gap between open-plan and fully enclosed in the collaborative workplace.

We intuitively enjoy the feeling of private spaces.



We provide other people with soft visual cues.



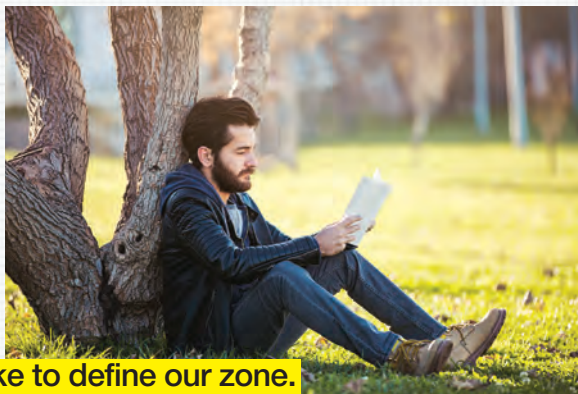
We like to divide and manage open spaces.



We understand the significance of solitude.



We like to define our zone.



At ground level free-for-all spaces, we abide by the unwritten rules of 'personal' space.



We rely upon natural intuitive permission without enforcing rules, by using the

five intuitive layers of privacy...



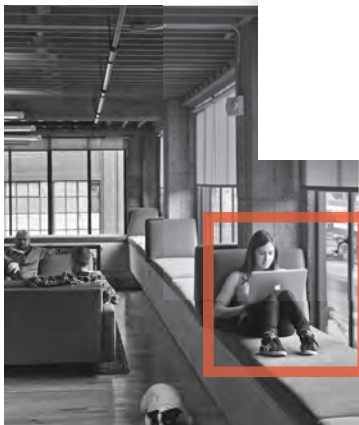
In the terra firma free for all space we abide by the unwritten rules of 'personal' space.



We provide other people with soft visual cues...



We like to divide and manage open spaces...



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We like to define our zone...



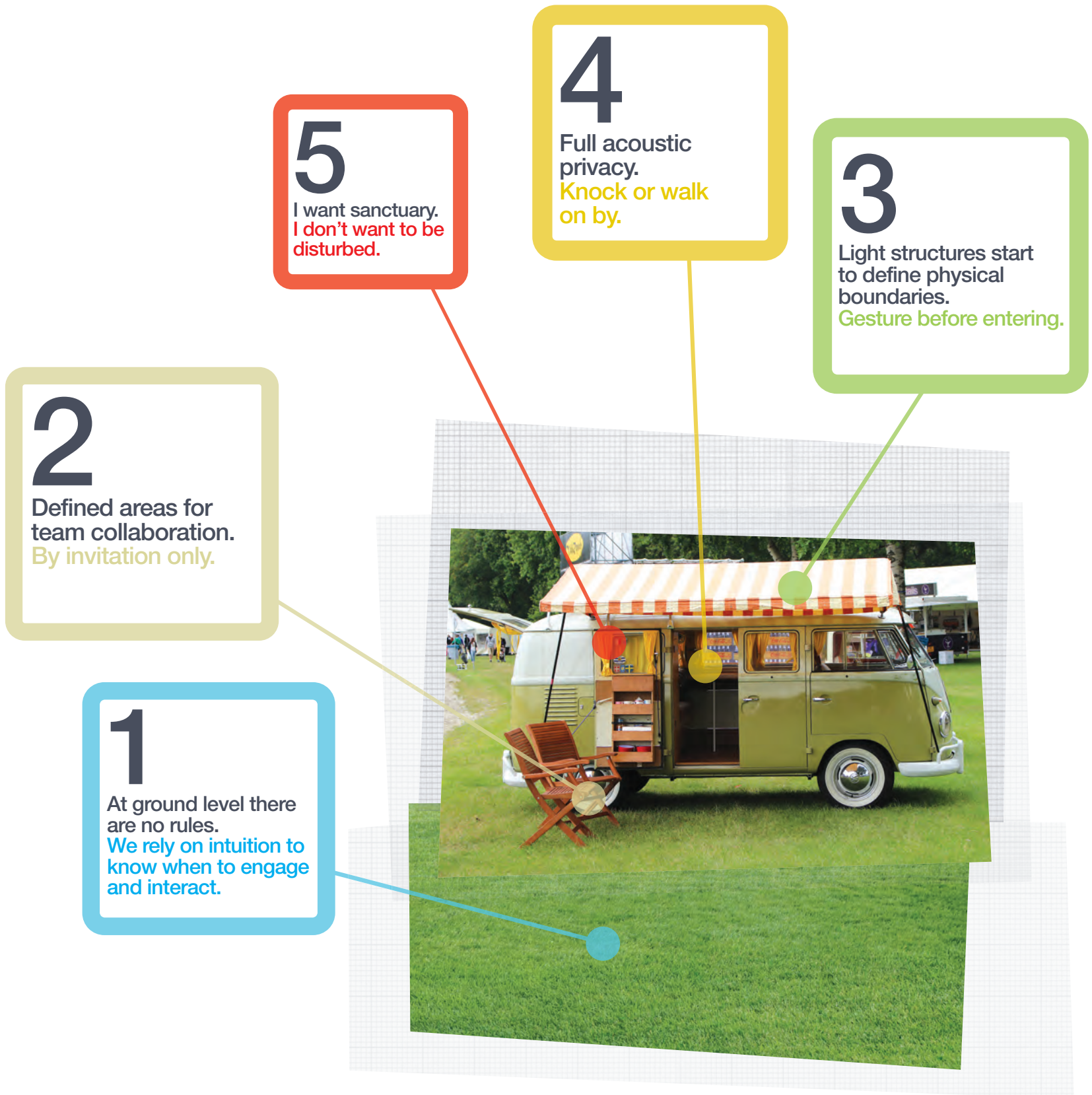
We intuitively enjoy the feeling of private spaces.



The campervan & campsite analogy is a beautifully simple one... we already know how this works.

When the door is closed *please knock or walk on by.*
 When you're stood under your awning having a cup of tea, you're simply saying to everyone *I'm in my zone and by all means say good morning but please gesture before stepping in.*
 If you walk out into the open campsite, you suggest that you are openly approachable... when you sit in a defined/open space *you're welcome to come and chat (collaborate)* and if you are hidden away, *you don't want to be disturbed.*

Simple right...







4

KNOCK OR WALK ON BY

3

GESTURE BEFORE ENTERING

1

WE RELY ON INTUITION TO KNOW WHEN TO ENGAGE AND INTERACT

Layers of privacy extend the architecture
beyond just a closed room

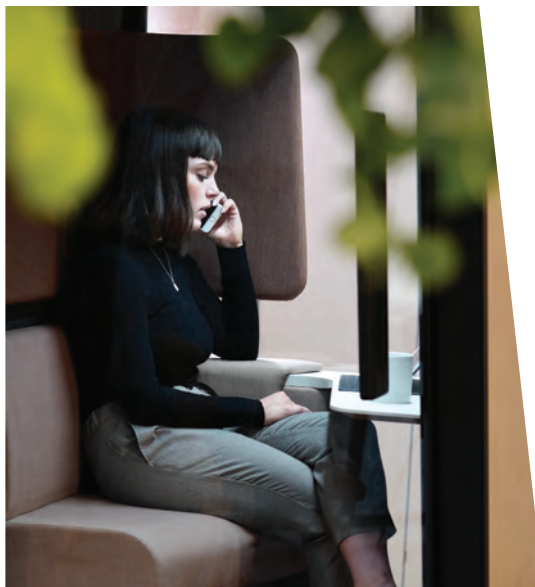
to offer breadth and individual choice,

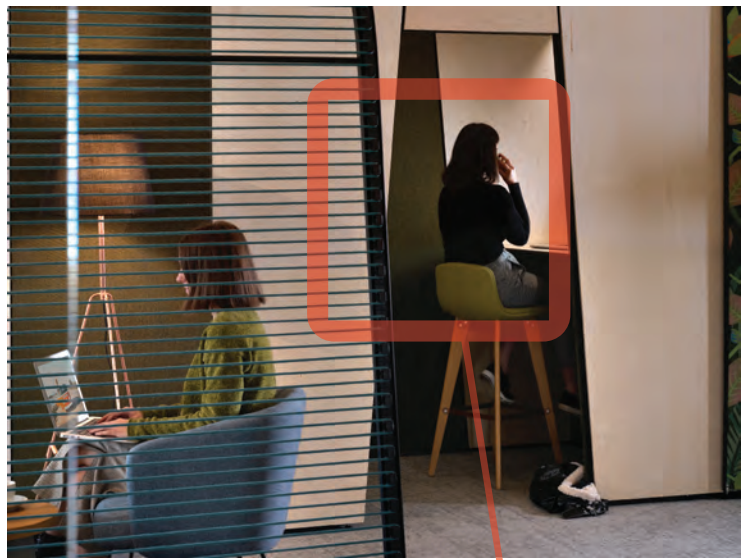
creating physical product solutions
and arrangements

that **you just intuitively know how to use.**

Employers don't want to create
rules and employees don't want
rules...

You need to walk into your workplace and intuitively know where
focused team zones are, where the meeting point is, where you
go when you need acoustic privacy or where there's a cabin you
can disappear to for half an hour without any question.





5

I DON'T WANT TO BE DISTURBED

I want sanctuary... Wearing headphones while sitting in the open may not offer strong enough cues to others to leave you alone, but, just like when you retreated to a treehouse as a child, hiding yourself away lets others know not to disturb you. The cabins create places of sanctuary and seclusion so you can truly focus, and by providing them in the workplace employers are intuitively saying it's ok to hide away for a while, particularly if you need a wellbeing switch-off.



BY INVITATION ONLY

2

Creating
beautiful
destinations...

4

KNOCK OR WALK ON BY



3

GESTURE BEFORE ENTERING



Our new platform delivers

layers of privacy

through pods, awnings and cabins in many
different configurations but all with

**our unique innovative
80/20
engineering twist:**

80% technical “long life” structure that works as a beautiful
piece of architecture; **20% customisable freedom** for architects,
designers and clients to have fun with and change whenever
they wish.





3

GESTURE BEFORE ENTERING

The awnings are light structures that help visually define an area for team collaboration within an open-plan workspace.

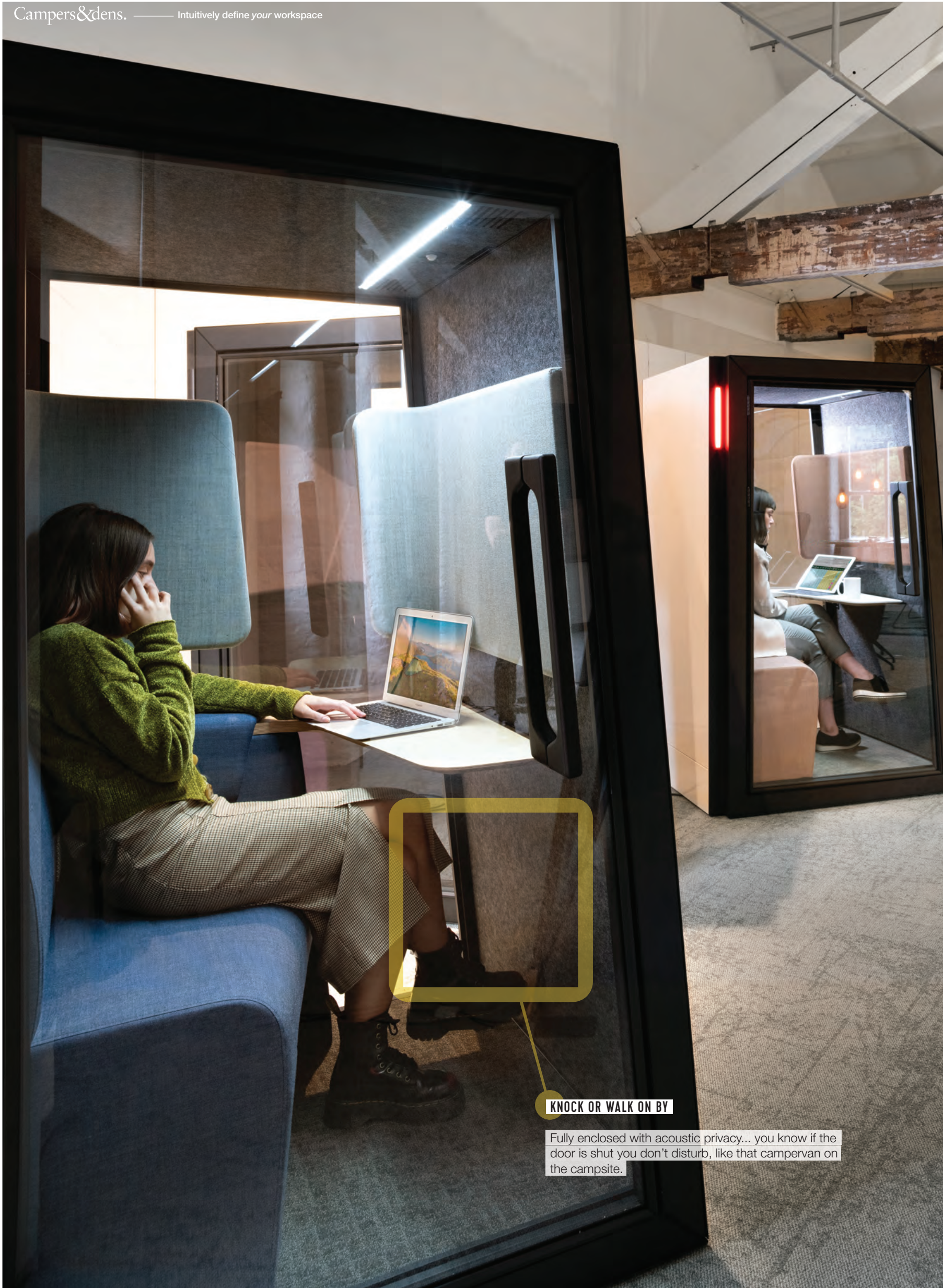


sanctuary



5

I DON'T WANT TO BE DISTURBED



KNOCK OR WALK ON BY

Fully enclosed with acoustic privacy... you know if the door is shut you don't disturb, like that campervan on the campsite.

Camper & dens.®

...is not a pod system, it's
a step change in built environment interior
architecture,

combining the benefits of a manufactured
system with flexible adaptability that does all the hard
work for you without the compromise of a fixed aesthetic
archetype or custom build work.

*On the QT 'sit' booth –
the smallest camper on the campsite.*

“ it's a mini camper...”

A unique space to make a video call... zoom...
teams... skype... facetime... messenger... goto...
hangout... or simply think for a while.

Instantly flexible with a palette truck, extremely efficient
on footprint and offering high speech privacy.

orangebox

smart
working®

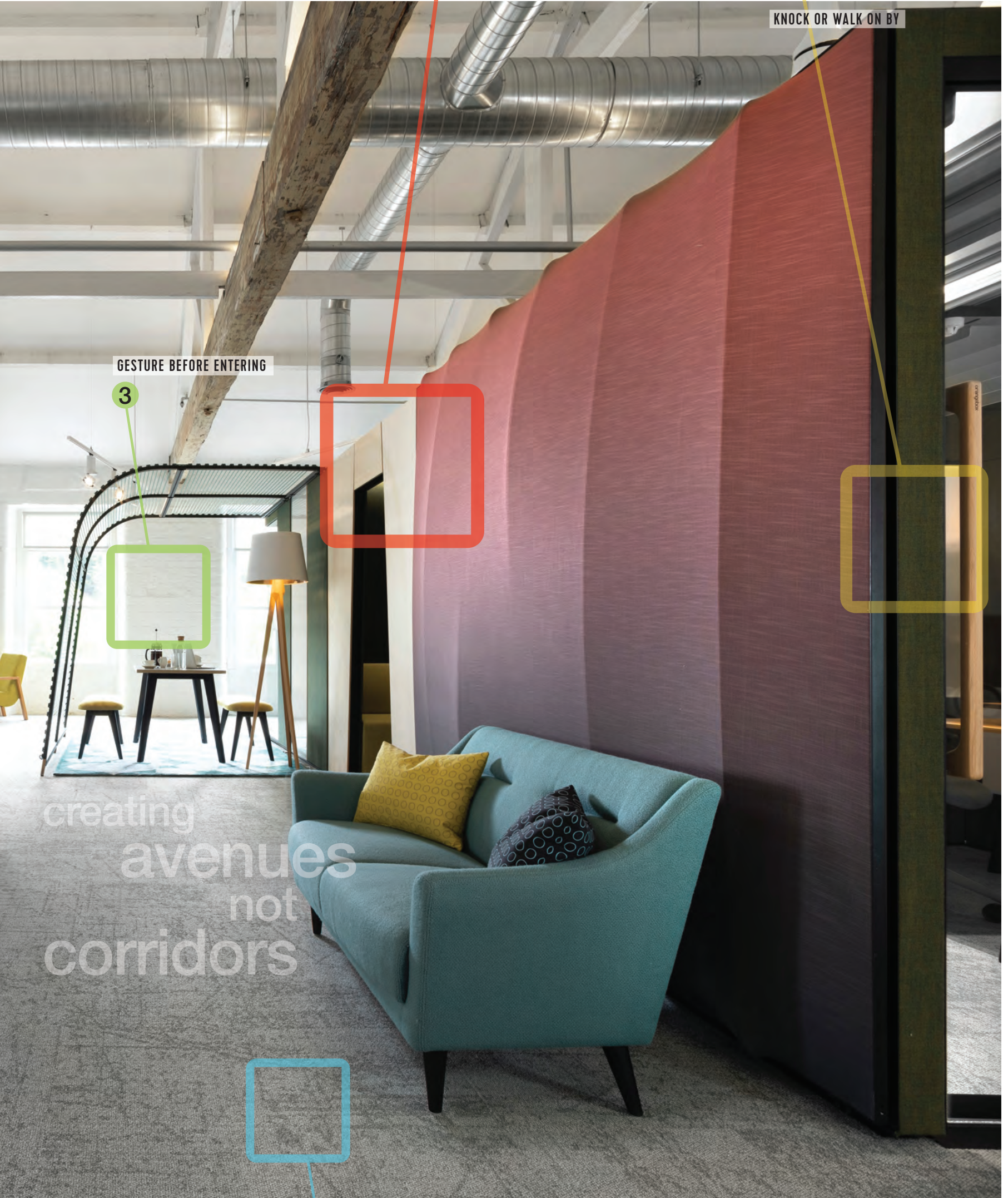
Solutions for Connecting People



BY INVITATION ONLY

2

I DON'T WANT TO BE DISTURBED



GESTURE BEFORE ENTERING

KNOCK OR WALK ON BY

creating
avenues
not
corridors

1 WE RELY ON INTUITION TO KNOW WHEN TO ENGAGE AND INTERACT

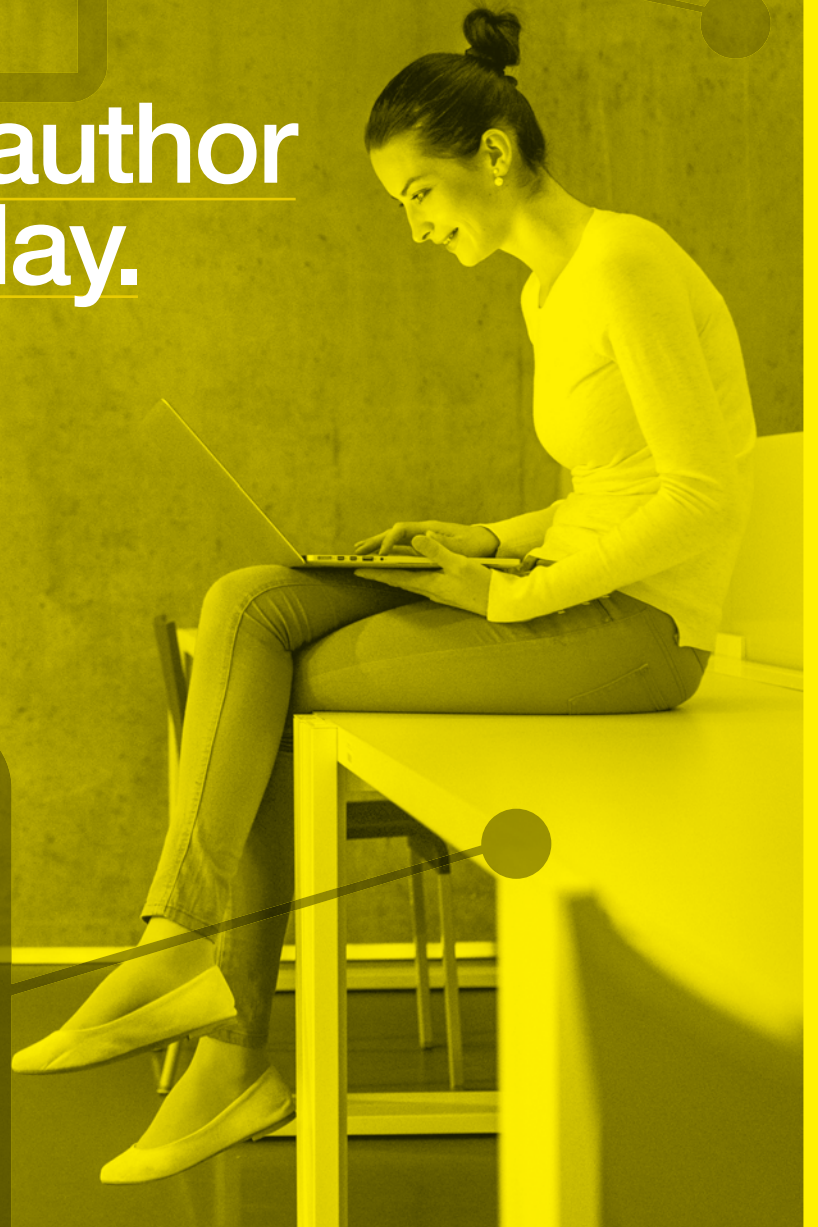
by intuitively
your
workspace...



Campers
&dens.®

defining

you become the author
of *your* working day.





A beautifully elegant architectural box is the starting point for the core pods... with all the clever tech seamlessly hidden from view.



Orangebox's ground-breaking 80/20 engineering concept delivers an innovative core high performance architectural structure with market leading technical performance and an opportunity to tailor the aesthetics and flexibility like nothing else on the market.

Once again, we have re-invented the "built environment".

the beautiful box

A marriage of bold architectural permanence and 'best in class' technical performance.

The core to *Campers&Dens* is the pod architecture, **combining a depth and integrity of sophisticated engineering and aesthetic architectural beauty**. It's not a derivative of a fixed partitioning system, and for a very modular flexible room, it has an architectural purity that cleverly hides all that visual fuss you would normally expect to see. **How have we done this?** By specifically designing every tiny & large detail from the ground up. Everything is unique, everything has been designed for a modular pod purpose and function.

No compromises were made, every detail has been designed and engineered from scratch other than the screws! The design philosophy on the core box was to create a fixed solid room aesthetic but with all the benefits of quick assembly, disassembly and re-assembly in a new location.

On-floor assembly can take as little as four hours, giving the *Why Build Walls?* story with its 12 year pedigree more credibility than ever. Remember this quote: **"Just one move in its life saves 95% of the original cost"**. **Now that's environmentally friendly!**



Featuring table configuration (available with vertical internal panels).

The innovative 80/20 engineering

concept does all the hard work for you, with the core box (the 80%) delivering everything you need technically, including great ventilation, lighting, fire safety and acoustic performance, **leaving you to have fun with the flexible 20%**; the outer finishes, flexible architectural extensions and hackability to create a unique look and feel for every project.



soft
visual cues

3 GESTURE BEFORE ENTERING



the 'beautiful spot'

There is plenty of scope to specify different wall configurations, but the front and rear corner glass creates a perfect all-in-one flexible package for when you want to change a room's function month by month, creating a great looking space that's open and light, with bags of visibility across the floorplate.

The half solid panels past the middle deliver enough privacy to allow screens to be mounted and even an external table for outer function.

Present



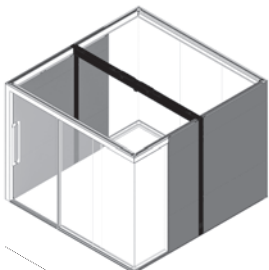
Lounge



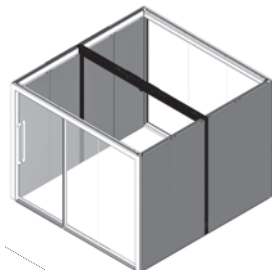
Work



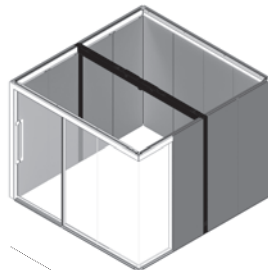
Connect



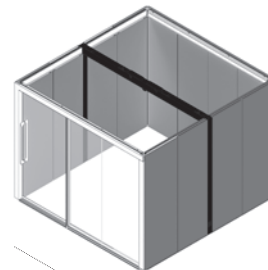
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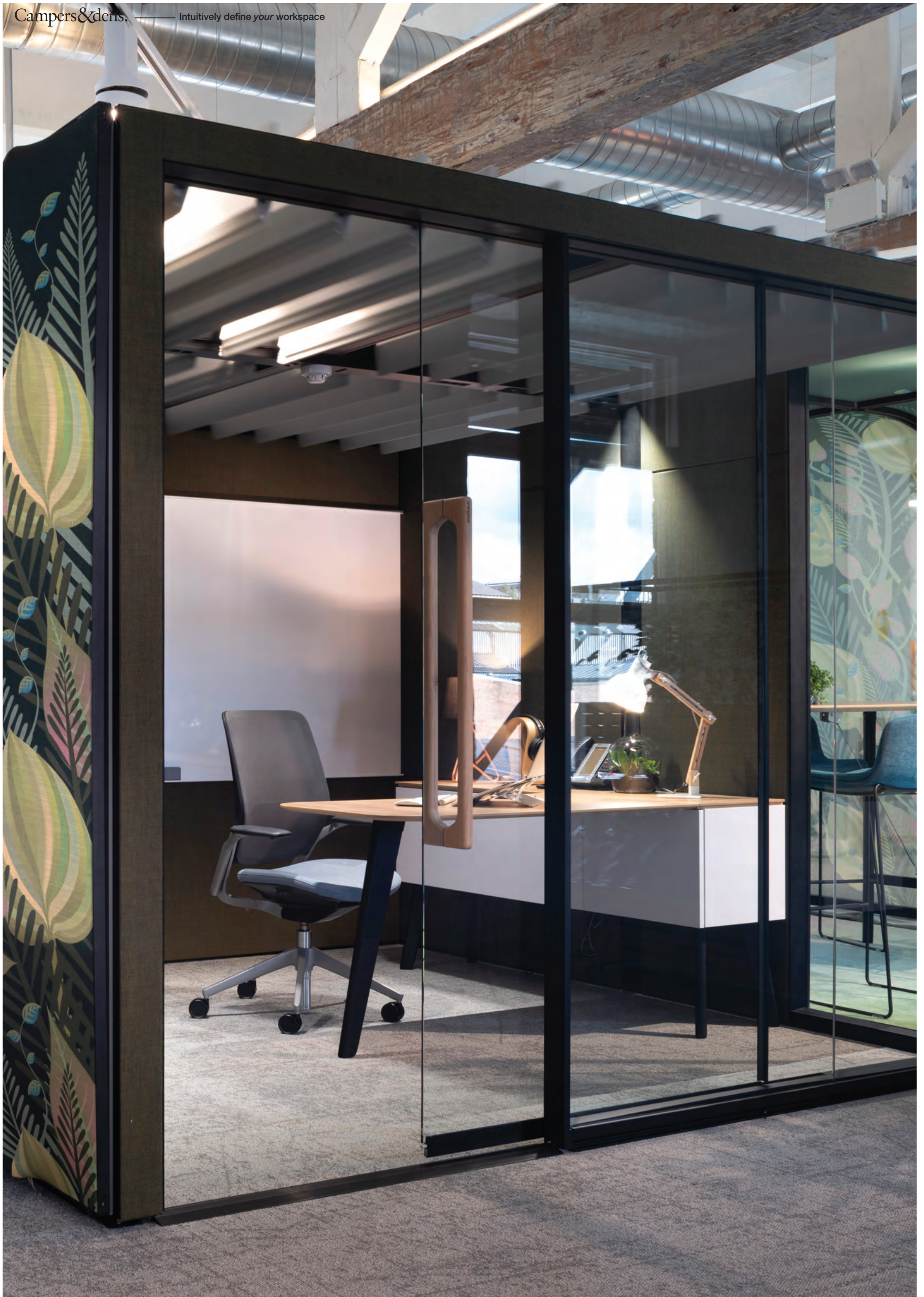


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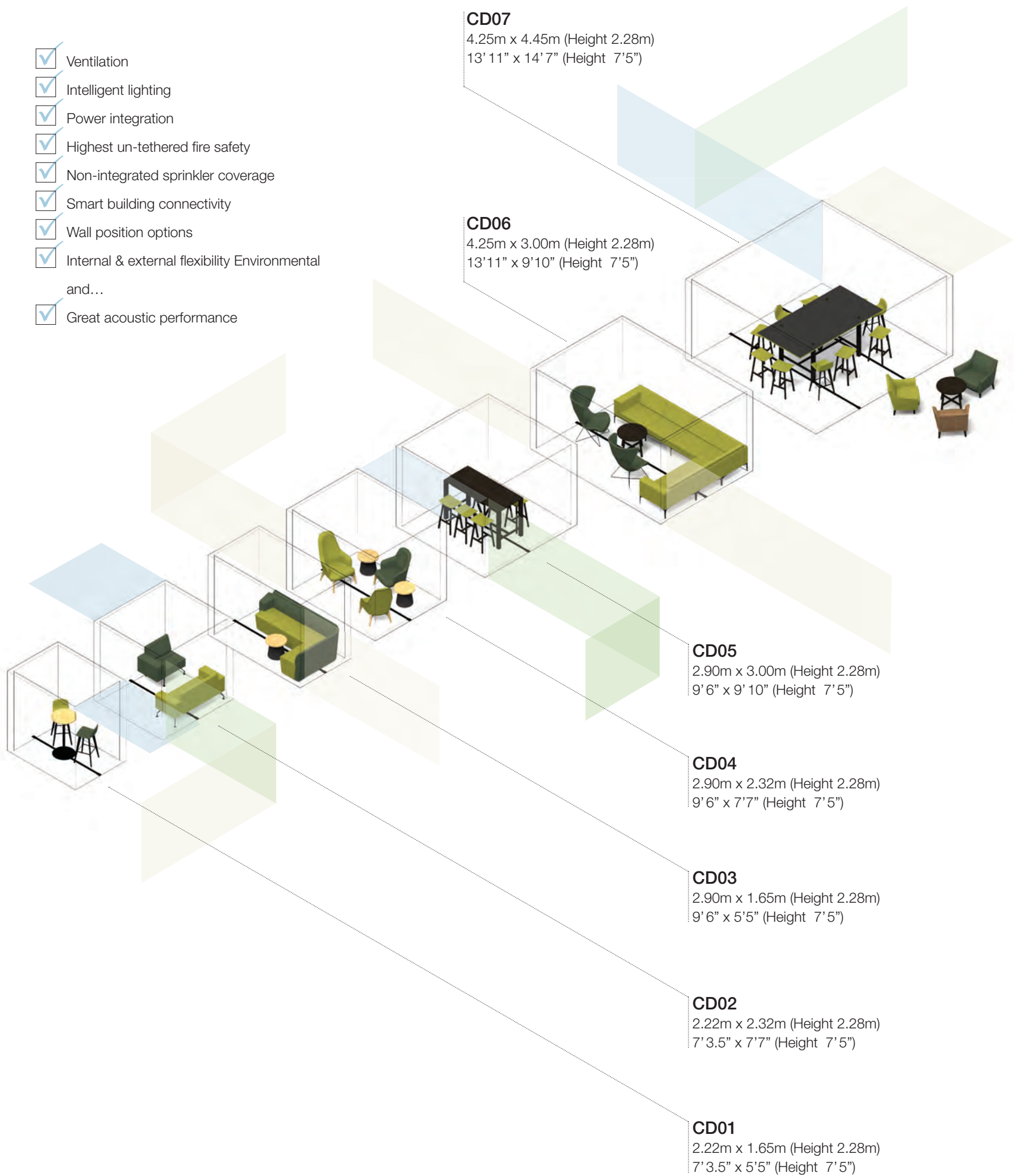




The 80% core...

a beautiful piece of flexible interior architecture that simply does all the hard work for you.

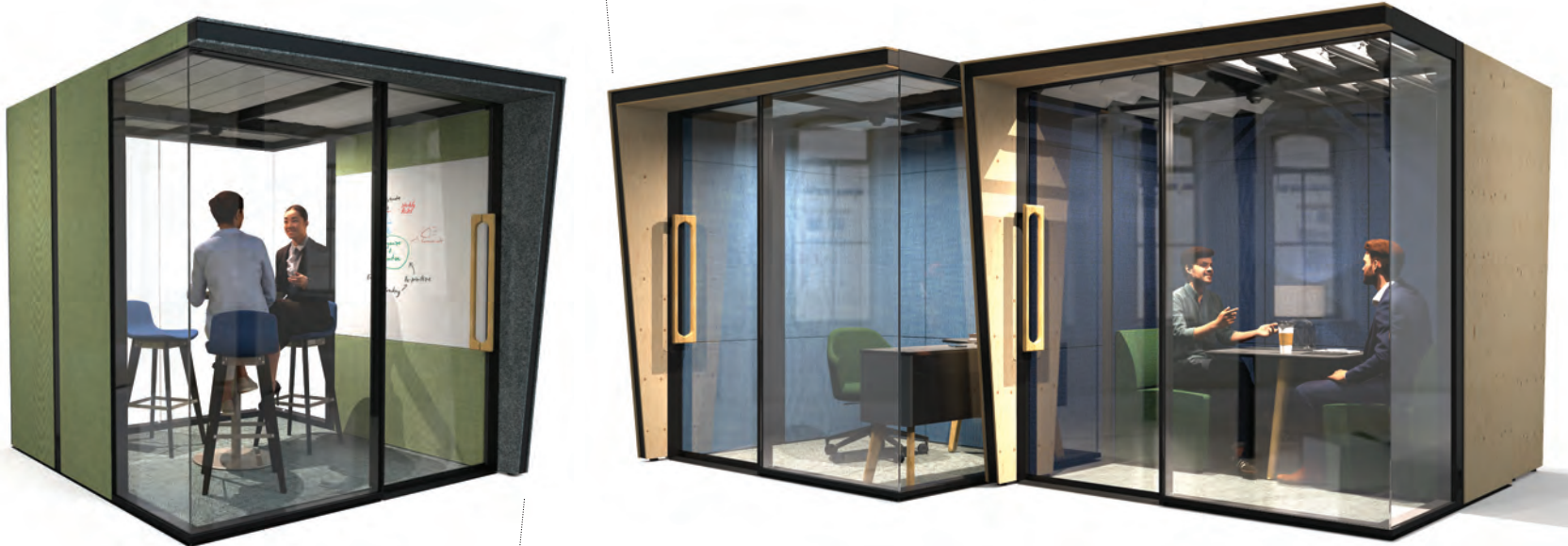
- Ventilation
- Intelligent lighting
- Power integration
- Highest un-tethered fire safety
- Non-integrated sprinkler coverage
- Smart building connectivity
- Wall position options
- Internal & external flexibility Environmental and...
- Great acoustic performance



A fresh personality

The 'kink' is a simple signature extension to the architecture

which is so powerful in many ways.



It immediately changes the personality of the pod by creating a cabin or cabana look that suggests a garden room, a log cabin or a ski chalet.

The 'kink' is simple but powerful, an architectural detail that softens the core structure and transforms a pod into a much more inviting destination. Like the porch on your house, it welcomes you in, psychologically relaxing you before that important meeting.

It says this is the entrance,

it's an intuitive welcome

that leads you in the right direction.

Who would have thought that a 'kink' on the front could be so powerful? You can add it, take it off, change the outer panels, finishes or colour, make it in plywood or soften it with recycled polyester felt, use it to brand the pod or to mount a room booking system.

We love it, and hope you do too.

the 'kink'



the best in class

The five key
cornerstones of tech...

At the heart of the beautiful box innovative 80/20 engineering sit the five key cornerstones of best in class technical innovation that collectively make the pod function perfectly for the occupier, with no need to touch anything.

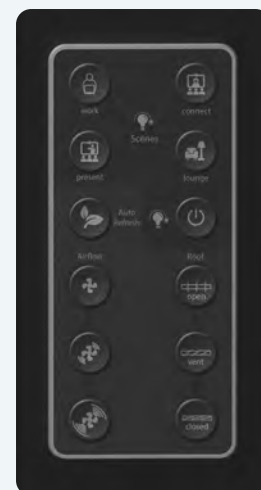
Like a car's beautiful engineering, the box's hidden technical solutions work in perfect harmony, making things simple and intuitive so you can just sit back in comfort and enjoy the ride. From the moment you walk in, it performs in the ways you need it to. The lights turn on, the roof closes and the airflow turns on so you can just get on with work, and it all happens automatically through motion and daylight sensors. When you need to change the internal work function from a meeting to focused work to a video conference, we've programmed the perfect settings for you, so you simply press a pre-set scene button.

For an additional boost of airflow, simply press a button and the "cabriolet" roof pops open and the fan speed is boosted for a short period before automatically resetting to its default. And all with great core acoustic performance and speech privacy levels.

...beautiful flexible architecture
that simply does all the hard
work for you.

1. Fire Safety

Our hugely successful globally patented opening roof innovation has been updated for *Campers&Dens* to continue to offer fully un-tethered fire safety sprinkler coverage with complete flexibility in the open plan.



2. Control

An innovative, closed-mesh Bluetooth system controls the whole pod through a wall-mounted wireless controller, which in itself is clever as it employs energy harvesting switches so never requires batteries or connected power. Remote access and control is also available through a laptop, tablet or smartphone app.

3. Ventilation

Once again innovation kicks in... Quantity of air changes are the key. Many hours of engineering experimentation, trial and error and simulated CFD backed up by physical test has led to a clever airflow system integrated seamlessly and invisibly into the pods. Air changes and heat control are primarily delivered through innovatively engineered air extraction.

5. Acoustics

How do you create a modular room that's easy to handle and install, while offering superb acoustic performance at a great price point? It's a challenge for anyone... 12 years of being the innovators, creating this market and learning along the way, has led *Orangebox* to deliver a solution that's perfectly balanced between cost, weight, flexibility, performance, comfort and speech privacy.



4. Lighting

Lighting not only changes your mood, it can have an impact on your concentration and focus, so we didn't settle for standard downlights in the pods. The lighting solution offers control and flexibility; a balance of ambience and performance, letting you choose the scenes and levels that best suit your mood or the type of work you're doing.

The Technical Highlights

There's so much more we could tell you about the great technical features integrated into this sophisticated piece of architecture, but we don't want you to drown in the detail and breadth so will save that for a one-to-one discussion relating to your project. But, to get you started and give you confidence in our solution, here are some of its highlights.



Internationally patented opening roof system



Remote control



Integral ventilation system

Bluetooth mesh adaptability

4 presets scenes

1. Fire Safety

- Internationally patented opening roof
- No battery back-up required
- 74%+ open area
- Globally respected Swiss mechanism
- Heavily tested actuator cycles
- Classified as having “no roof” when open
- Highest material fire standard options

Our Internationally patented solution includes innovative failsafes to put you and your clients at total ease:

1. Default roof always open when unoccupied – great for asset safety at night
2. No power needed to open the roof if a fire is detected or an alarm activated, and no battery backup required
3. During an emergency power off or power cut the roof simply opens mechanically
4. Smoke / heat detectors or connected building fire alarms cut power to the pod and integrated sockets instantly, opening the roof mechanically without needing power
5. Daily self-testing through regular opening and closing offers peace of mind that it's still working
6. Any faults on the system will trigger the roof open for failsafe mode, so you know that it's safe at night when unoccupied.

It's also easy to connect to the building system for activation and monitoring, either hard-wired or through our *Casambi* control system and importantly, it's a reusable system in the event of activation, with very low to zero maintenance required. To top it all, it creates a soft-top pod for added ventilation when you need a fast refresh or to help the building air-conditioning flow in faster.

The finishes meet varying levels of global fire ratings, offering great options even in the most stringent regions such as the US, where Class A wall and ceiling linings are required.

2. Control

- Air, light and roof all auto and manually controllable
- Super safe closed-mesh Bluetooth
- Remote control and monitoring available
- Add free standing lights
- Option to custom tune settings

Alternatively, remote access can be given to the pod to allow for customisation, interrogation or control through a PC, tablet or phone. This gives the facilities manager full remote control and monitoring, even from a different site. The Bluetooth connected control system also accepts integration of third party floor or table lamps: Buy a *Casambi* E27 bulb then simply plug in, switch on and find the light on the *Casambi* app to drop into one of the scenes and control it through the auto motion sensor or scene setting. It's even possible to program a different brightness and colour for each scene.

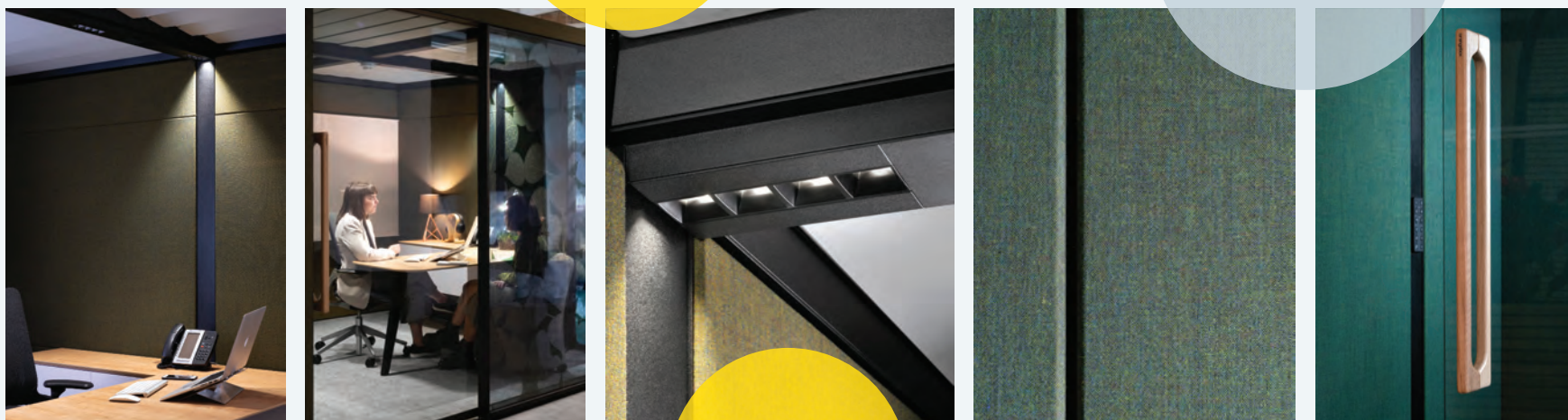
3. Ventilation

- Air changes are key... 288m³/h... 8-16 air changes per hr (3m pod)
- Balanced air temp inside to out
- Controlled rise in air temp when occupied
- Low noise fans
- Option to pop the “cabriolet” roof open

High-powered and super-efficient low noise fans deliver high levels of air changes within the pods, while cleverly engineered hidden inlet/extraction ducting delivers a super comfortable soft tone airflow system. The temperature is automatically controlled without the need for power-hungry refrigeration, and there's a degree of sound masking too, helping improve speech privacy.

400/500lux
eye level

40dB RW
acoustic cassette



Custom tuned ambient light settings

Sound absorbing acoustic panels and door seal engineering

150/200lux
floor level

300/500lux
table level

4. Lighting

- 2 light channels and 4 pre-set scene options
- Tuned lux levels and minimal contrast
- Eye level 400/500 lux
- Table 740mm 300/400 lux
- Floor 150/200 lux
- Low glare internal lighting (within your peripheral vision) & zero glare externally
- Ability to add a table or floor lamp and connect/control with the pod

Working with industry leading experts and companies we created a unique solution to deliver functional breadth at a touch of a button. Open source but highly secure technology enables seamless connectivity, allowing 3rd party floor and table lamps to be simply dropped down, plugged in and controlled by the pod interface.

Custom integrated super-efficient LED lighting is delivered through a number of innovations, with highly engineered lens control for a super crisp vibrant focussed light, dark light recessed black baffles offering glare control outside of 60-degree peripheral vision, zero external light visibility and glare to avoid distractions and an optional clip in diffuser accessory if you prefer a softer light with a smoother, wider distribution. (This option may reduce light levels and be more visible externally).

5. Acoustics

- Innovative tuned acoustic cassettes – 40dB Rw
- Broader speech frequency internal absorption (below 0.3sec)
- Options of configurations to fine tune the acoustics perfectly for your space
- Great room to room value Dntw/Insertion loss
- Great speech privacy levels
- Continuous development on enhancements and upgrades
- Glass options – standard 8mm and acoustic laminated 8.8mm
- Clever detailed engineering with every little gap closed, including innovative floor levelling base track to eliminate gaps under the pods on uneven sloping floors.
- Clever attenuated ventilation reducers sound loss

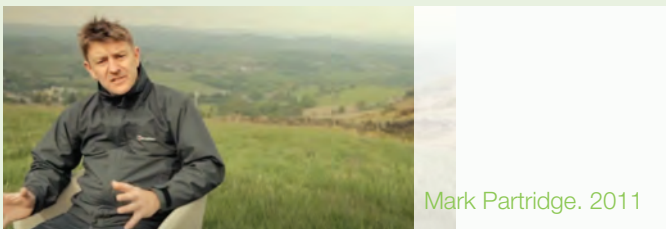
We design from the ground up. Our clever skeletal structure for the glazing and acoustic walls controls all gaps, creating a great base level performance.

You can then add extra performance through enhanced materials and different configurations, tailoring your solution perfectly between price and performance depending on where the pod is placed.



the beautiful design

After 12 years of acoustic flexible pod room R&D, we have evolved four great stories about the positive impact *Campers&Dens* will have on the environment.



The old favourite... “Why Build Walls?”

It's a question that's now more relevant than ever...

By building nothing but the outer walls, lift shafts and restrooms, and populating the whole floorplate with our pods, awnings and cabins, you minimise the built environment. The key to our solution's success is, of course, the total flexibility it offers in assembly, disassembly and rebuilding anywhere at any time, offering not only a 95% cost saving but also considerable environment savings on waste, re-manufacture or the purchase of raw materials.

The built environment constitutes a huge proportion of the embedded carbon impacts of all modern office developments, whether new build or refurbishment. *Campers&Dens* enables interior architects to significantly lighten the load on the required building fabric and service infrastructure, providing ultimate flexibility to adapt and change as your business needs evolve.



Long life engineering structure (80/20 design).

The core structure of the pod is neatly concealed within the shell of the construction. This critical element of the assembly has been developed to accept new and evolving technical solutions for power, light and air control. It's a future-proofed system that facilitates limitless upgrades over time as advances in new technologies come to market.

The surface finishes, outer aesthetic and hackable solutions allow you to re-invent the pod again and again, extending the potential lifecycle of the core structure way beyond a traditional use phase. We know that the best we can do with valuable materials is to keep them in 'use cycles' for as long as feasibly possible, maximising the energy invested in them over protracted periods of useful life.

Materials

42% Steel – 100% recyclable (28% recycled content)

30% Aluminium – from an 87.5% recycled source

25.5% Glass – 100% recyclable

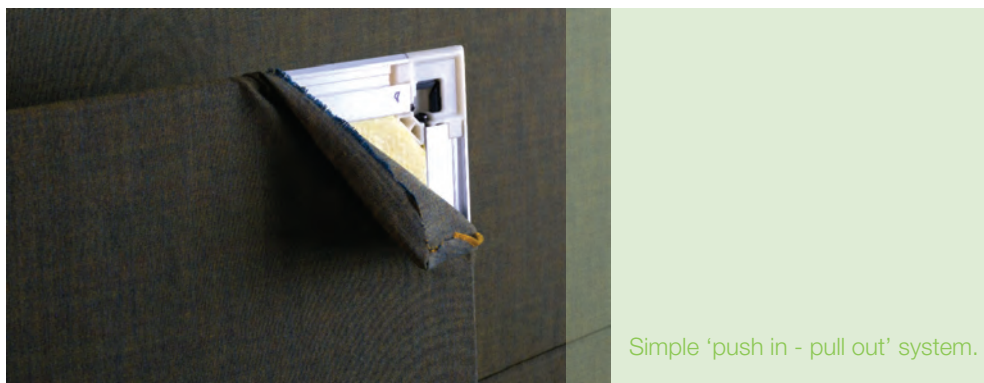
2% Plastic – it's a small amount to start with, some of which is already from a recycled source and all recyclable.

1% Fabric – *100% recycled polyester

0.5% Wood – rapidly renewable

The above materials table ref. model CD02CLS

* dependant on fabric manufacturer



Simple 'push in - pull out' system.

No staples. No glue. Stunningly simple upholstery.

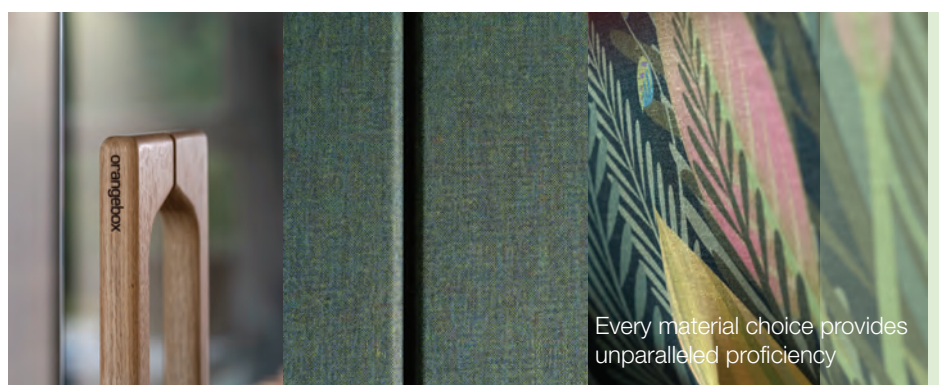
Because we take lifecycle extension, material recovery and recycling extremely seriously and understand the difficulties that lie in wait if you go the easy manufacturing route and use glue and staples, we chose not to apply either in the first place. It only takes a millisecond to apply a staple to an upholstered panel, but removing it is a painstaking process that just isn't feasible when considering large scale recovery/recycling. Likewise, glue creates a contact between two substrates that is almost impossible to undo.

Designing out problems like this at the outset is how we safeguard our valuable material resources for future use cycles, and working out how to make incremental improvements to our process capabilities is what keeps some of us awake at night so future generations can sleep well for the years to come.

We developed our clever upholstery solution from the ground up, using our own stretch fabric system, engineered to eliminate staples and glues from the process via a super simple 'push in - pull out' system. This makes changing your fabric options possible on site with little skill. And, when the time does come for a refresh, you can keep the original frames and just recycle the fabric if you want to, with a streamlined material recycling and recovery process with minimal waste at end of life.

The corner mouldings are made of 100% post-industrial recycled plastic, the aluminium sourced from 85% recycled content, and every ounce – including the extruded fabric gripper – is 100% recyclable and easy to break down at end of life. And with the flexibility to refresh the look easily and cost effectively, the anticipated lifespan is over 10 years (our original pods are still in use 12 years down the line..). This makes it an extremely environmentally smart solution.

This system not only eases recycling, it also increases lifecycle. And it's simple to change finishes and colour schemes whenever you wish.



Every material choice provides unparalleled proficiency

Healthy and sustainable materials.

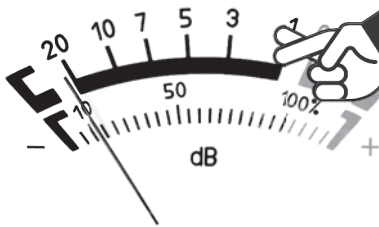
We have gone to great lengths to minimise our material content and environmental footprint and we have worked extremely hard to create the healthiest material ingredients content possible.

All our pods go through VOC testing to standards for use in office environments. The combined recycled aluminium content for extrusions and castings is an incredibly high 87.5%. A number of the fabric ranges available are made from 100% recycled plastic bottles – and they are stunning. We don't use PVC extrusions (other than allowable power cable content) and have gone to great lengths to avoid as many core materials as we can that appear on red lists. The core pod consists of aluminium, steel and glass. All the glass we use is 100% recyclable. The brackets and acoustic cassette wall panels, which are made from steel with 28% recycled content, are 100% recyclable.

For a complex assembly like this, balancing material selection and acoustic performance is critically important if the product is to satisfy the demands of the modern workspace. This premium specification pod range has been designed and manufactured to provide our clients with outstanding durability and performance for many years to come, with no shortcuts, substitutes or compromises. **We have scrutinised every material choice to provide unparalleled proficiency on every level: sound, light, airflow, acoustics, structure and aesthetics.**



FAKE NOISE



BUSTING THE MYTHS AND MISUNDERSTANDINGS OF ACOUSTIC ENGINEERING.

The 12 years we've spent creating, inventing and understanding acoustic engineering for flexible pod rooms have honed our expertise and given us a first-hand insight into the challenges involved in creating great acoustic solutions within flexible interior architecture. Our flexible acoustic pods are a careful balance of adaptability, function, easy installation, size, weight, ventilation, cost, doors, aesthetics and materials. And all of these elements battle with acoustic performance, making it a delicate and complex plate-spinning exercise.

Four key cornerstones **MUST** be used together to achieve the correct acoustics.

1 **ABC: Absorb | Block | Cover**

Probably the most critical balancing act, and never covered by just one single test figure. These three acoustic elements need to work together to achieve the complete performance of the room: if any one of them isn't covered or is compromised, it lets the rest down. The sum of these elements together add up to create the perfect balance of acoustics.

2 **Testing**

Single figures / Lab tests / Rw/Site tests / Dntw & Insertion Loss.

What do the figures mean? Can you use them to choose a pod? What are companies quoting and mis-quoting?

3 **Comfort & user experience**

Un-quantifiably critical, it's all about how you feel inside, sometimes referred to as acoustic comfort. This can only be presented by clients experiencing the pods first hand. How do you "feel" inside a pod or phone booth? Some elements are simply not quantifiable with tests, data or figures.

Acoustic comfort & psychoacoustics are one of the most critical parts of the jigsaw puzzle. Too much absorbency coupled with a pressurised ventilation system will lead to an ear-popping, almost nauseous feeling when inside... Sound familiar?

4 **Location**

Careful consideration of external acoustic factors and of the pod's location makes a big difference to its performance.

Fixed rooms tend to be placed at the edges of a space to make efficient use of the walls, leaving a huge open-plan "noisy" void in the middle of the floorplate. One of the key benefits to flexible pods and phone booths is that you can put them where you need them, not just along the walls. They not only achieve privacy where you need it, they also break up the open-plan space acoustically.

It's only when you combine these cornerstones that you can assess the true "real life" performance of the products. The full Orangebox 'Fake Noise' article will be available on our website.

On the **Qt**®

Take temporary ownership of your space...

On the QT is the new phone and work booth (mini camper) from Orangebox. As the smallest and most flexible camper on the site, *On the QT* is a discreet, soft, intuitive space away from the bustle of the openplan office.

For further information visit www.orangebox.com

Orangebox Smartworking® London

38 Northampton Road, London EC1R 0HU, United Kingdom.

T. +44(0)20 7837 9922

email. smartworkinglondon@orangebox.com





Stand

The tall *On the QT* phone booth for quick calls.



Sit

A short *On the Qt* work booth for when you want to connect or maybe just think for a while.

On the Qt[®]

...for when you need a 'little' privacy.

On the Qt offers high levels of acoustic insulation, achieved through unique and innovative sound blocking and sound absorbent cassette walls (developed specially for Orangebox products).

For further information visit www.orangebox.com



awnings





layers of privacy

outside of the pods start with the awnings. They create the lightest touch intuitive privacy, a physical “soft visual cue” to communicate to others that a discussion is taking place requiring permission to join. By all means peek round the corner and ask or wave from a distance for approval to enter, but otherwise simply walk past.

From a psychoacoustic perspective, what you can't see you can't hear. It's hard to comprehend but it does work: you simply don't take notice or fully comprehend conversations when you can't directly see someone talking.

Another cool aspect of psychoacoustics in the awnings is the seclusion effect. As soon as you step in under the fabric awning, you drop your voice as the fabrics and felt slats damp the sound reducing the need to speak up to be understood. Having these materials at the side and over your head creates a cosy, calm, quiet and relaxed feel and the seclusion makes you less distracted and more focussed.

Awnings on the face of it are simple: we naturally know from camping or sitting under a leafy tree how to use them and what the rules are... What's clever is how we intuitively interact with them as subtle open architectural divisions in the workplace.

Optional finishes create layers of privacy in a fun and exciting way that can be changed easily at any time:

- **Stretched fabric** give that true awning feel, or maybe go one step further and use unique printed fabric patterns by award-winning *Patternistas* to create a tree-like biophilic shelter.
- **Wood or felt slats** create a more solid bivouac shelter.
- **Cotton Cord** creates the lightest and simplest open physical barrier, making a soft horizontal architectural statement, and offering lots of colours to have fun with.





GESTURE BEFORE ENTERING





awnings

do more with less

Minimalist simplicity in structure, form and function allows you to assemble and dismantle and change finishes whenever you want. An environmentally conscious piece of architecture that inherently has a long life... it's so easy to change the look without scrapping the frame.

Even the holes in the castings are beautifully sculpted to avoid unnecessary plastic caps...

no unnecessary ingredients added.

Our extensive menu of materials can be applied in different ways and help make every awning unique, from the beautiful colour range of mesh sheer fabrics from *Svensson* and *Kvadrat* to the stunning range of unique *Orangebox*-designed printed fabrics from award-winners *Patternistas*; from cool organic cotton cord cleverly looped on the frames to a choice of plywood and recycled polyester felt louvred slats that simply clip in.



Awning component parts.



Awnings on the face of it are simple, we naturally know from camping or sitting under a leafy tree how to use them and what the rules are...

what's clever is how we intuitively interact with them as subtle open architectural divisions in the workplace.



1

Fabric awning.



2

Cotton cord awning.



3

Plywood slatted awning.



4

Felt slatted awning.

Expanding interior architecture out beyond pods.





2

BY INVITATION ONLY



3

GESTURE BEFORE ENTERING

cabins



It's not just about a pod, it's about multiple layers.

Cabins create in-between structures that define physical boundaries between the open plan and hidden sanctuary. Cabins extend the architecture outwards beyond the core pod to utilise the walls and create great space between rooms or at the end of a pod.

Using the space between is smarter than simply butting pods up as it creates a valuable gap between pods that can be used as accessible open avenues for quick individual or group seclusion and focus.

Cabins are secluded spaces you can disappear into. It's like putting your headphones on – but without being seen or disturbed. Use cabins like a treehouse when you need to just get away and have a wellbeing break.



When you need privacy or are free to talk, your colleagues will

intuitively know by the space you're in and how you are using it.



1 AT GROUND LEVEL THERE ARE NO RULES

We rely on intuition to know when to engage or interact.

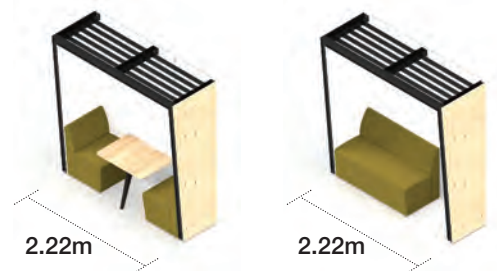
3 GESTURE BEFORE ENTERING

Light structures start to define physical boundaries.



Finding sanctuary with soft visual cues

2.22m wide cabins are compatible with CD01 & CD02

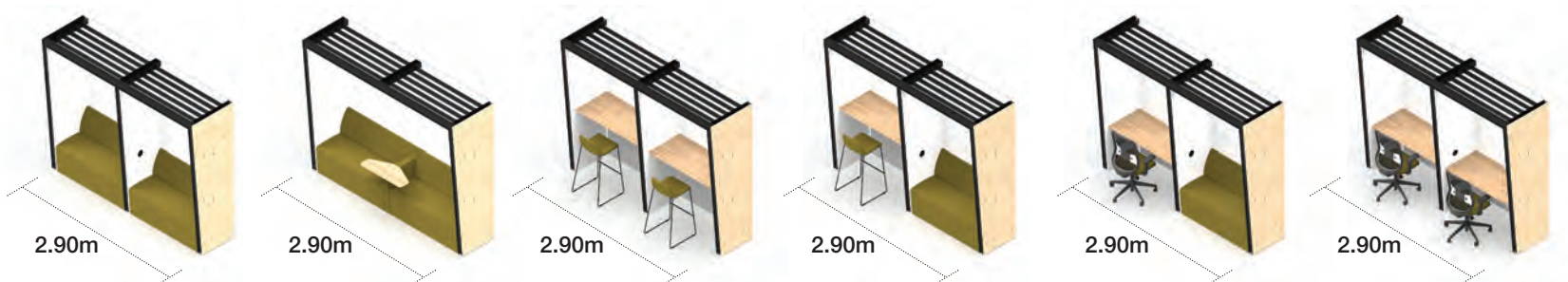


Cabins are designed to offer flexibility...

Add a seat and a table, break the space up further with a dividing wall, or perhaps add a work surface at seated or bar height. Add power and beautifully integrated wall wash lighting, and set the mood just how you want it with a simple energy harvesting switch controlling on/off, dimming and even colour change.



2.90m wide cabins are compatible with CD03, CD04 & CD05



I DON'T WANT TO BE DISTURBED

5



HACKING



Your creative voice

BEST
IN
CLASS

IN-HOUSE HACKING...

The secret to our pods' hackability is a clever structure specially designed to attach to them, which accommodates mounting solutions for slats and for our stretch fabric system.

The key to this hackable concept is a highly technical engineered frame which allows for lots of flexibility in the materials and finishes that attach to it.

We decided to have some fun with it ourselves to inspire you, and loved the results so much we've made them available as part of our standard offer as **'in-house-hacks'**. But of course you can also work with us to come up with ideas that are new and unique to you!



STRETCH FABRIC OVER RIBS... CHOOSE PLAIN, OMBRE' GRAD OR PATTERNISTAS PATTERN FABRICS.

To give our pods your unique look and feel, either mix and match the ideas from our price list or create your own designs, brand messaging and print ideas using our guidelines. *Patternistas* can design and print onto a fabric for you, ready to be stretched over the frames on site, either over ribs or as a flat full wall image.

“ The fact is, it's arrogant of us to want our pods to look like ours in every client space... we want clients to make them look like theirs and to make them unique every time. ”

Mark Partridge – Interior Architecture Design



WAVY PLY RIBS



We live in a world that demands difference, not similarity, and that demand has filtered through to the workplace via the new generation. Hacking products is popular because it allows you to create something that's uniquely yours, that echoes your personality and reflects your BRAND.



STRAIGHT PLY RIBS

80% TECHNICAL
+ 20% HACKING
100% UNIQUE

GIVING YOU WHAT YOU NEED...

SO YOU CAN DESIGN WHAT YOU WANT.



CUSTOMER HACKING...

SOLUTIONS THAT REFLECT YOUR
BRAND (NOT OURS)

IT'S ABOUT FREEDOM, EXPRESSION...

& **HAVING FUN!**



CREATE YOUR OWN RIB SLAT SHAPES,

Why not buy the "hacking frames" and we'll install them for you so that (following our guidance and parameters and with our support) you can create your own solutions for mounting, fixing, hanging and stretching them? You can ask us to create and supply as a special or, alternatively, use your own supplier-makers to deliver your unique solution. We can even deliver a frame to your supplier-maker as a reference structure so they can verify fit and function.

CREATE YOUR OWN UNIQUE SOLUTIONS...

EXPERIMENT WITH DIFFERENT MATERIALS

All visuals on this page are conceptual references only.

WATCH THIS SPACE

We aim to experiment and offer new ideas seasonally to reflect changing trends and newly discovered solutions. We don't know what's coming yet until we **PLAY AND INVENT.**

WHAT WE DO KNOW IS WE CAN HAVE A LOT OF FUN TOGETHER WITH YOU CREATING NEW IDEAS.



AND EVEN HAVE

YOUR OWN UNIQUE PATTERN DESIGNED BY PATTERNISTAS.



IT'S A SYSTEM

DESIGNED TO CONTINUALLY EVOLVE



PATTERNISTAS

custom hacking service

Stretch fabrics, wood and felt slats, glass manifestation, awning fabrics and even rugs can be unique to your scheme. Whether you want to express your brand, delineate between departments and teams, or simply divide up workplace by giving each floor a different personality, *Patternistas* can help you develop your ideas and make your pods and awnings unique.

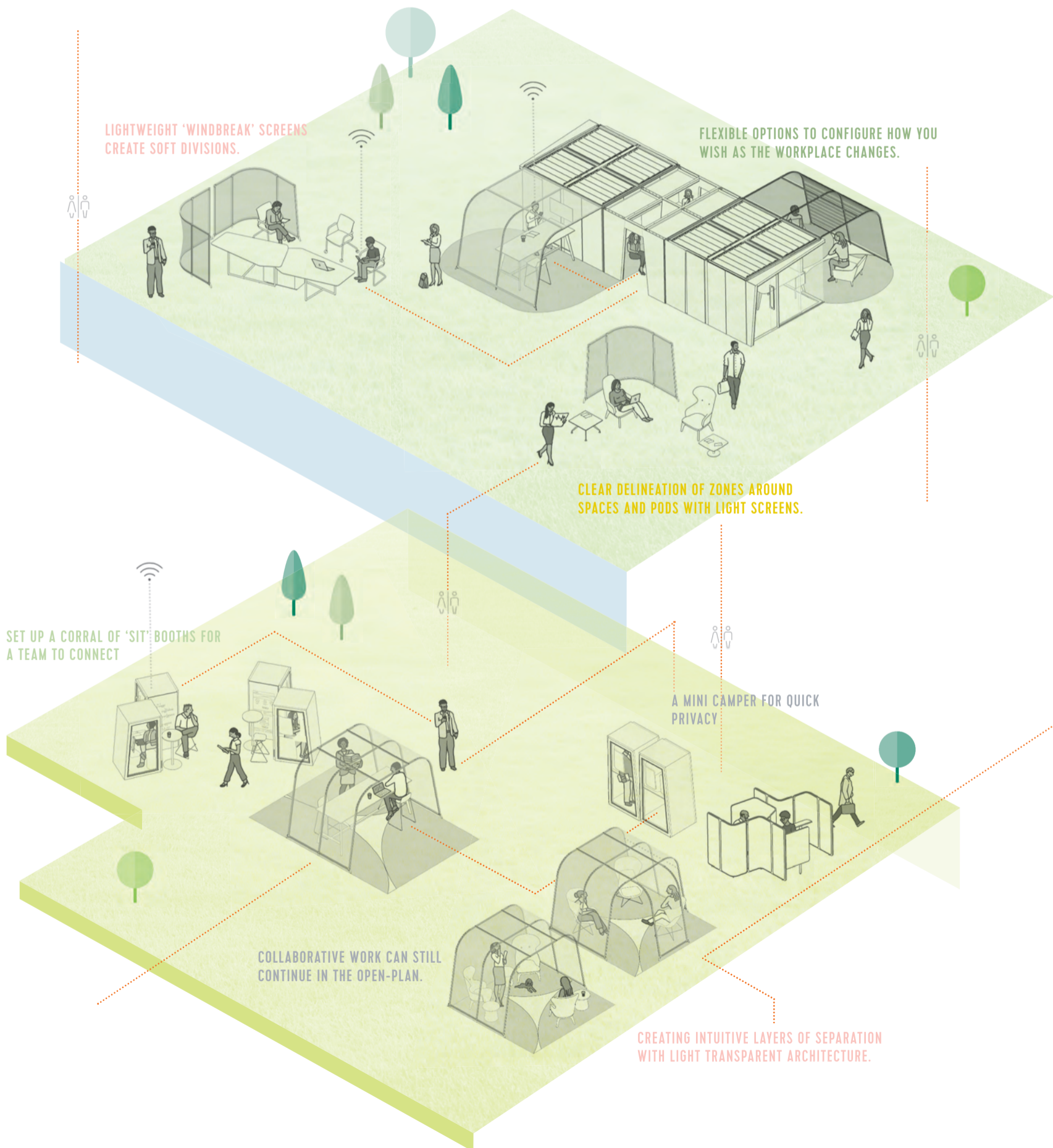
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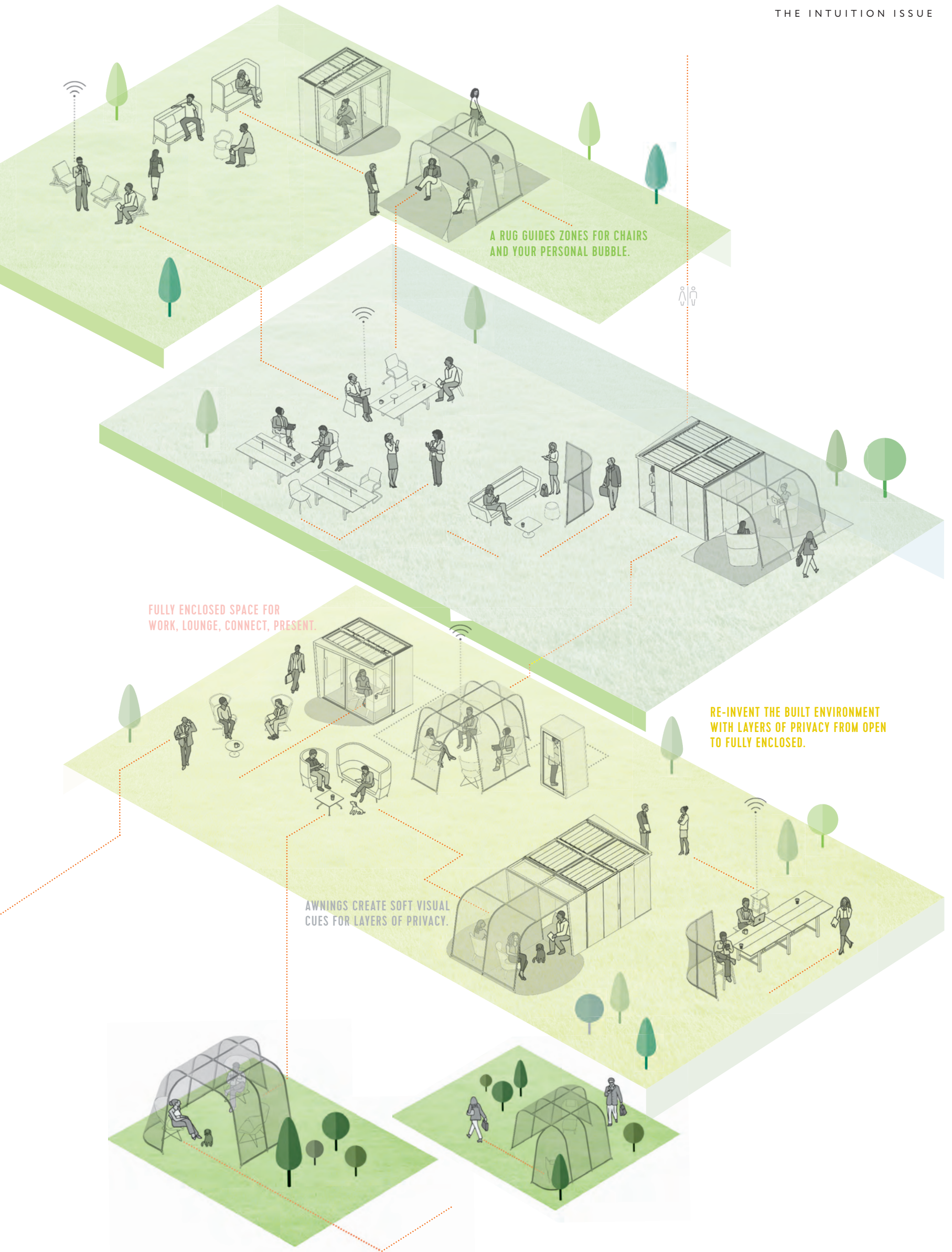
Creating workplace campgrounds.

DELIGHTFUL + ENJOYABLE DESTINATIONS
FOR BETTER SOCIAL CONNECTION

... WORKSPACES YOU WANT

TO BELONG TO ... DESTINATIONS THAT YOU WANT TO VISIT.





A RUG GUIDES ZONES FOR CHAIRS AND YOUR PERSONAL BUBBLE.

FULLY ENCLOSED SPACE FOR WORK, LOUNGE, CONNECT, PRESENT.

RE-INVENT THE BUILT ENVIRONMENT WITH LAYERS OF PRIVACY FROM OPEN TO FULLY ENCLOSED.

AWNINGS CREATE SOFT VISUAL CUES FOR LAYERS OF PRIVACY.



As much as we love the look and feel of the printed page, we love the environment a great deal more, so, in keeping with the Orangebox philosophy to tread as lightly as possible in every aspect of the manufacturing process, this magazine has been produced in limited numbers. **Once you've read it, we encourage you to pass it on to someone else**, as you'll find everything you need to know about *Campers&Dens* on our website, and via our dedicated sales team. Thank you.

www.orangebox.com

This magazine was printed using a 'waterless' printing process and responsibly sourced ink and paper.

Thank you to Lutz at Classic Cult (classiccult.com) for the permission to use the fabulous campervan image.

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orangebox
**smart
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2021

The office is

DEAD!
Alive and
kicking!

Long live

the *new*

workplace!

GLOBAL COMPLIANCE

The Air³ pod is the most advanced untethered, flexible room system globally, created to meet the most stringent international building regulations, and now awarded multiple worldwide patents to protect our innovation.

Campers & dens.®



We simply asked the question...
Why Build Walls?

2005 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21

Area (v2)

INTERNATIONAL
— PATENTS —

Area (v1) was the first pod to bring acoustic and visual privacy to the open-plan office.

The office is
Alive and kicking!

Long live the new workplace!

Time for a road trip

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