



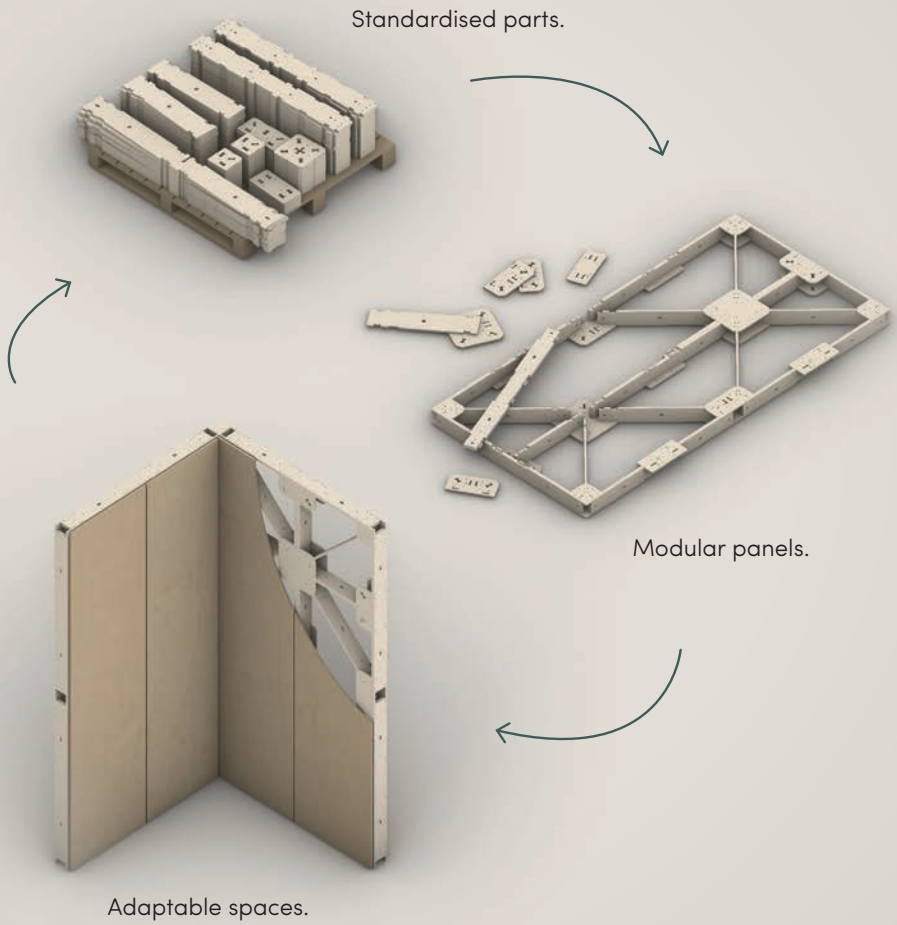
Spaces
Products
Structures

 XFRAME

**Designed for now,
built for later.**



More than 40% of the world's waste is the result of building, construction, renovation and demolition. XFrame is a radical response to this global waste challenge.



XFrame and Circularity

XFrame strives to achieve a complete circular ecosystem from renewable resource harvesting through to install, use and end-of-life recovery.

Each XFrame component is engineered for deconstruction and reuse in accordance with circular design specifications.

- × Validated up to 5x Reuse Cycles.
- × Independent modular layers.
- × Local FSC Materials.
- × Vertically modular for 'ultimate' reuse flexibility.

Spaces. Products. Structures.



1.

Spaces

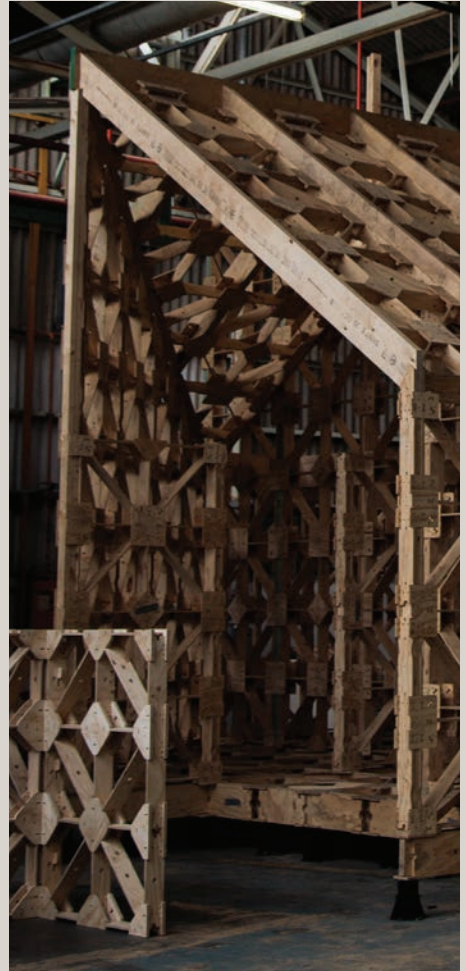
XFrame is highly suited as a versatile, lightweight partition wall system ideal for commercial, educational, and retail environments.



2.

Products

Office, education, and workplace furniture designed for change. It is specifically developed for modular free-standing applications.



3.

Structures

A load-bearing wall, floor, and roof framing system that brings the advantages of prefabrication and circularity to residential construction.

System Specifications

	Products	Space + Structures
Standard Module	525mm	600mm
Efficient Module	1050mm	1200mm
Depth	98mm	92mm & 140mm
Weight	13.5kg *	16kg **
Frame material	Hoop Pine Ply	Structural Untreated Pine Plywood
Loading capacity	Non-structural	11KN/m Axial, 60 BU/M unlined (lateral) and 1kN/2.4m face-loading
Panel joining	M6 30mm JCB/JCN	M6 90mm Hex Head ZP Bolt
Single span limit	2050mm	3000mm
Lining support	475mm centers	580mm centers

* for a standard 2100mm x 1050mm unlined birch framed panel

** for a standard 2400mm x 1200mm unlined pine framed panel

Lining Specification

Any sheet lining material can be used with the XFrame system providing it has a minimum dense substrate of 11mm or greater.



Standard XFrame Wall Panels (1200mm x 2400mm standard XFrame wall panel [left], 600mm x 2400mm standard XFrame wall panel [right]).

Automation

XFrame takes advantage of a series of proprietary in-house automation workflows to rapidly design and deploy the XFrame technology.

Using this infrastructure, we provide builders with detailed project-specific assembly instructions and documentation to make adoption of the XFrame system hassle-free. To underpin the circular credentials of XFrame, we also index and track deployed XFrame componentry. Collecting data across projects facilitates recovery and reuse while also allowing us to further optimise the technology.

Art-to-part production



Client design (or client brief)

rvt, dxf, skp, sketch



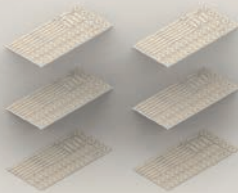
Automated 3D model creation
for concept renderings

<1 hour*



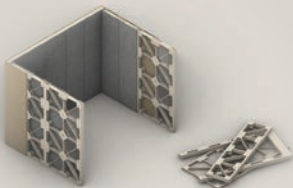
'One-click' conversion to parts
for costing & carbon data

<1 hour*



Instant export of standardised
nested CNC milling files

<1 hour*



Automated creation of project
specific install drawings

<1 hour*

*Subject to project scope

Case Studies



Spaces

ANZ Breathe



XFrame has been engaged to deliver retail store fitouts for Australia and New Zealand Banking Group (ANZ).

ANZ is Australia's 2nd largest bank (by assets) with more than 700 branches across the South Pacific. XFrame has provided ANZ with a complete modular store fitout solution. Modular wall framing panels with recycled PET bottle insulation, modular electrical solutions and FSC certified Tasmanian Oak Veneer linings form meeting, kitchen and customer facing spaces.

Project specifications

XFrame allows ANZ to fulfill its vision of a branch that can be easily reconfigured as needs change over time while taking advantage of carbon sequestering materials and local manufacturing. As part of the ANZ fitout contract XFrame also manufactures and supplies bespoke planter boxes and workstations that are designed in alignment with circular ideals.



2ft and 4ft modular wall panels up to 10ft high.



Own prefabricated 'plug 'n' play' electrical kit.



Structurally independent spaces (floor anchors only).



Precision cut components.



Integrated roof/lid system.



4ft x 10ft panel assembly <20 minutes.



Fully reversible fixed exterior and interior lining panels.



Prefabricated with CNC milling equipment.



Bespoke curved sections to meet designers' specifications.



Full store prefabrication.



Lining panel modularisation to match custom specifications.



Prefabricated and reversibly fastened 1/2 inch acoustic ceiling treatment.



Acoustically sealed negative shadow detail between lining panels.



Validated multi-cycle performance.



Installation (on-site) <1 day.





Spaces

two/fiftyseven

two/
fiftyseven

two/fiftyseven is a co-working space located in the heart of New Zealand's capital city, Wellington.

XFrame allows the newly established co-working space to plan for the future. Full-height XFrame partition walls between co-working zones creates privacy for occupants while also allowing the space to change over time as the tenants' needs change. The fixed partition walls at 57 Willis are supported by XFrame mobile walls. These allow another 'softer layer' of spatial flexibility within the co-working space. Each mobile wall is lined with colour matched 'inset' acoustic panels and whiteboards.

Project specifications



2ft modular wall panels up to 9ft high.



16x panel assembly
<45 minutes.



Fully reversible fixed exterior
and interior lining panels.



Allows co-working space to
adapt and grow over time.



Lining panel modularisation to
match custom specifications.



Customisation Options



The fixing grid built into XFrame is a core part of enabling easily demountable and reconfigurable interiors. Typical linings have center-points or a patented 'key-hole' shaped receptacle in their rear face. These alignment points allow linings to be clipped onto the structural frame in a precise and reversible manner.



Snap opening size to nearest standard member



Adjustable door mounting wall panel



Manage custom size openings within same panels



Full-height reduces cost and improves standardisation

Door, window and service openings in XFrame modular wall panels can be specified as required.



Products

XFrame Wall



Mobile Wall

The XFrame Mobile Wall is an instant, acoustically treated partition that enhances acoustic and visual privacy in open offices and educational spaces.



Mobile

Panels are highly mobile with in-built lockable wheels specified as standard.



DIY Assembly

XFrame Mobile Wall panels can be assembled with simple hand tools in office environments.

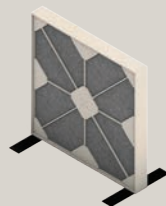
Configurable Options



Fixed or Movable Feet



Inset and/or Face Fixed Lining

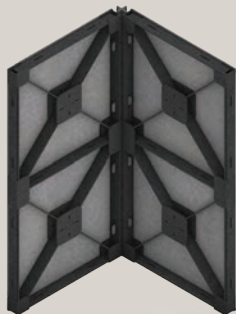


Low, Medium and High Panels



Products

XFrame Studio



XFrame Studio Wall

XFrame Studio combines high-performance recycled acoustic material with the modularity and simplicity of XFrame. Instantly improve the reverberant performance of your space.



Lightweight

Frame and lining parts formed entirely from 12mm polyester sheets means panels weigh less than 10kg each.



Single-Tool Assembly

A single allen key is required to assemble panels from individual flat-packed parts.

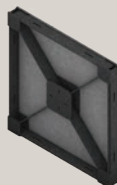
Configurable Options



Single Panel or Corner Configuration



Exposed, Inset, and Face Fixed Lining

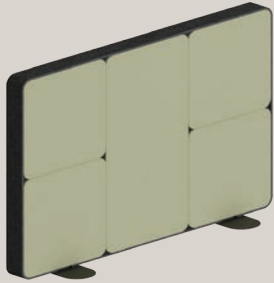


Half or Full Height Panels



Products

XFrame Quiet



XFrame Quiet Wall

The Quiet Wall is a premium, modular acoustic solution ideal for both educational and office spaces. Teachers and professionals can personalize their environments, establishing dedicated zones for focus and collaboration.



Cicular

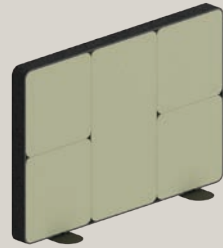
Designed to be effortlessly reconfigured, upgraded and recycled. Made from 100% PET materials without any adhesives or laminates.



Customisable

The Quiet Wall's clip-on linings include options for custom printing, patterned grooved textures, and up to 12 different color-ways.

Quiet Wall Family



Quiet 1800



Quiet 1200



Quiet 90°



Quiet 135°

Products

XFrame Booth



Mini Booth

The Mini is a single-person, acoustically controlled space designed for video calling in open offices. It is efficiently designed to fit within the superstructure of the office space, utilizing previously underutilized floor space.



Compact Footprint

The compact footprint of the Mini allows it to seamlessly integrate into busy office spaces.



Easy Handling

The Mini can come in parts or pre-assembled into panels. Both panels and parts fit easily in a small elevator.

Booth

The XFrame Booth offers a larger internal volume (20% larger) and a work surface twice the size of similar market solutions, maximizing productivity during video calls or when you need a break from your desk.



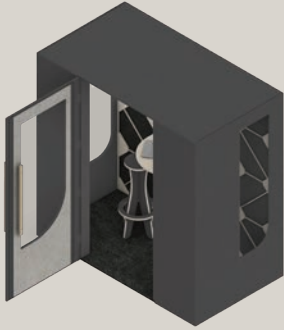
Comfort

The Booth has a larger internal space which enhances comfort for long term use, calls, meetings and productivity.



Expandable

Easily adapt a single booth into a double or triple person meeting space, making use of the same standard framing parts.



The Double Booth

The Double Booth is a compact space designed for collaboration in open offices. It comfortably accommodates 2 people, making it ideal for video conferencing, collaborating, or private face-to-face meetings.



Collaborative Space

The ideal space to accommodate 2 people for collaboration and joint conference calls.



Economical

Lorem ipsum something cheapest thing out there woo

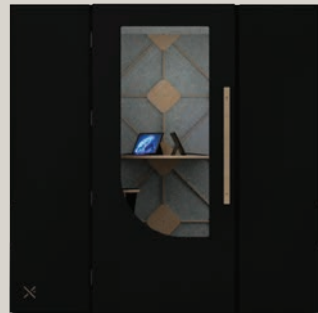
Front Facing View



Mini Booth



Booth



Double Booth

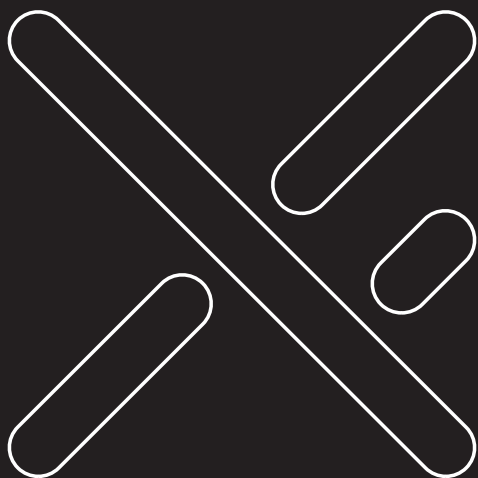


Structures

Assemble Three Suite+

The A3 Suite+ is an XFrame demonstration project erected in Adelaide, South Australia.

Designed to push the architectural limits of XFrame, this 600 sq ft / 55m² mezzanine building is composed of 3500 parts of XFrame, 180 of which are unique to the design. The A3 project showcases the use of XFrame as floor, wall and roof framing in a structural capacity.



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