

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





## H I G H L I G H T S

---

- × One of the worlds most sustainable building systems.
- × **Globally scalable.**
- × **Fully customisable** modular building system.
- × Unrivalled **ESG** credentials.
- × **30% faster** to install.
- × 95% automation of 'art-to-part'.
- × 70+ projects **delivered** across 3 continents.
- × Multiple applications across commercial, retail and residential markets.
- × Uses 20% less raw materials.
- × **Manufactured in Australia.**



# XFrame provides Circular Built Solutions.

We enable organisations to achieve circularity. We facilitate this through providing circular design expertise, art to part automation and distributed manufacturing.



# The evolving construction industry.

- × Construction is the largest industry in the global economy, accounting for 13% of the world's GDP.<sup>1</sup>

- × 40% of all waste is a result of the construction and demolition of buildings.

- × Less than 10% of building materials are reused.

- × Implementation of circularity in construction has the potential to reduce CO2 emissions by 30%.<sup>2</sup>

- × Environmental, Social and responsible Governance (ESG) is becoming enshrined in construction planning and stakeholder decision making at Board Level.

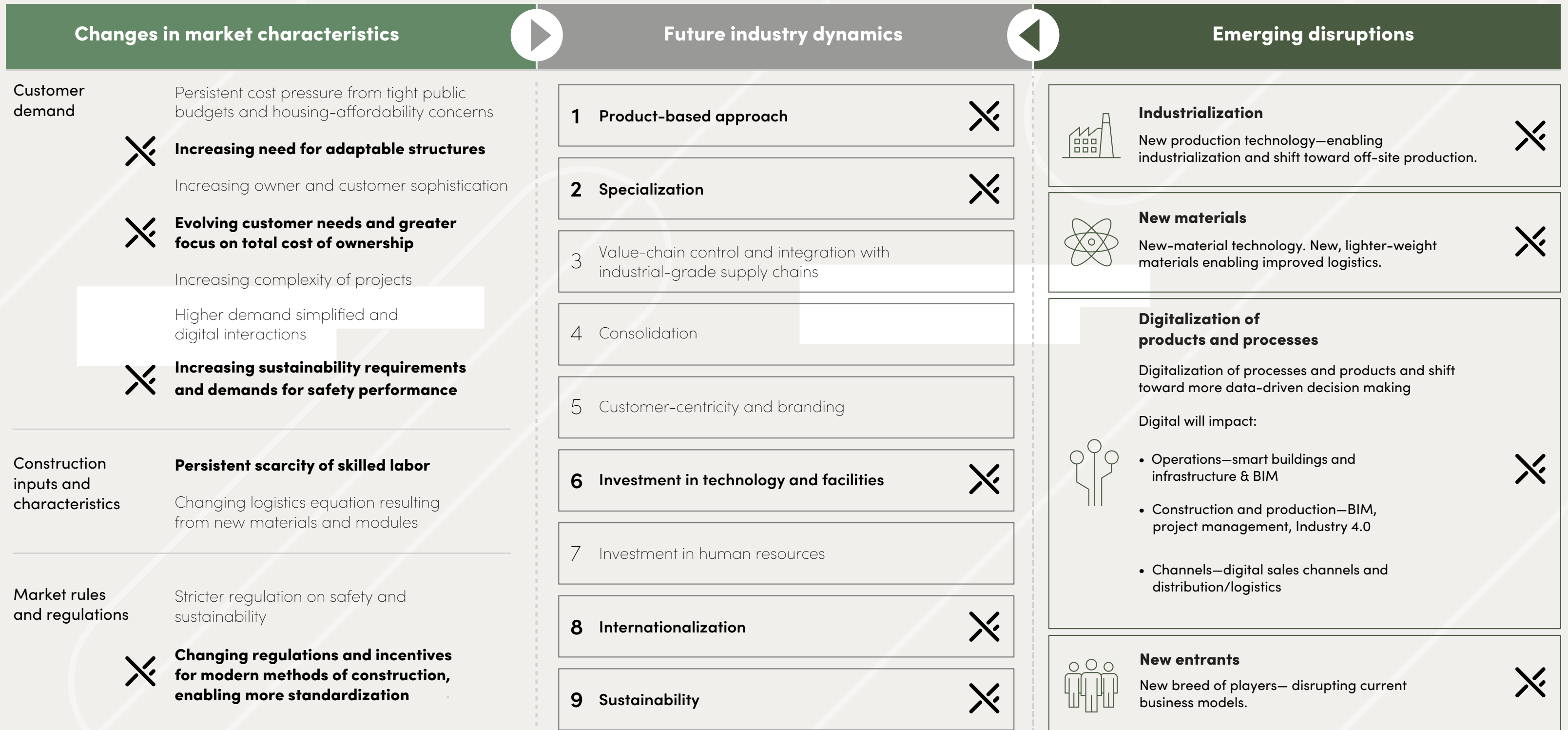
- × ESG now occupies a weighting in excess of 75% of fund manager decisions.

- × Certain markets like the EU , UK , and New Zealand have already enacted sustainability and climate disclosure laws.

1 | The next normal in construction June 2020 McKinsey & Company Summary

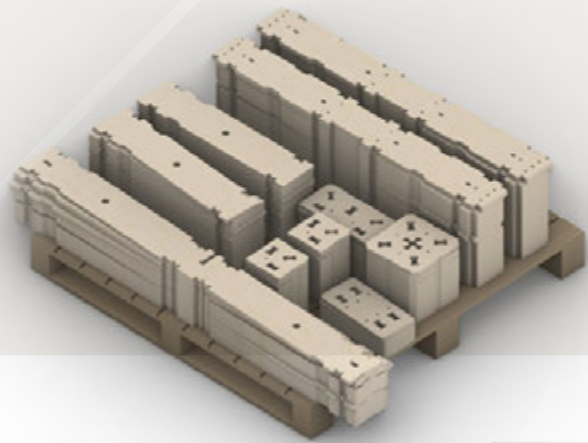
2 | World Economic Forum ( Why the circular economy is the business opportunity of our time.



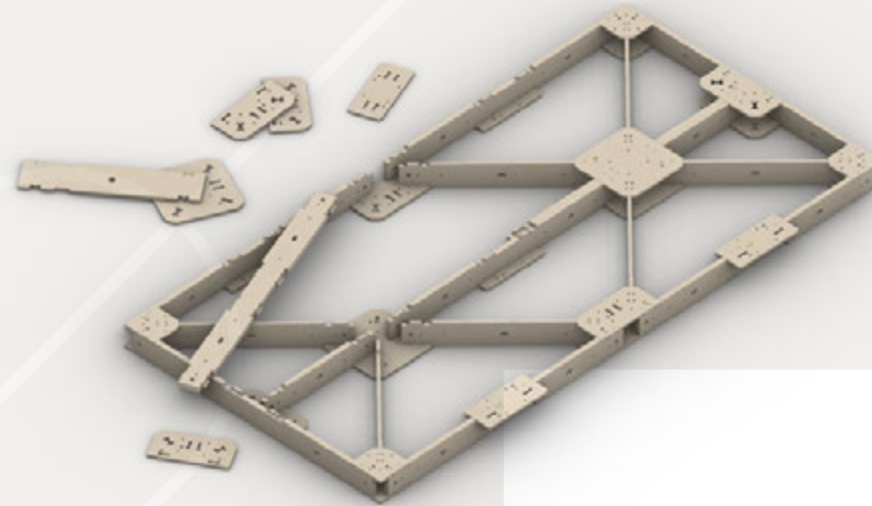


# XFRAME AT A GLANCE

---



Standardised parts.



Modular panels.



Adaptable spaces.



A kit of standard parts.



Natural and renewable materials.



Reusable. Circular.



Engineered. Millimeter perfect.



Scalable and flexible.



Single tool assembly.



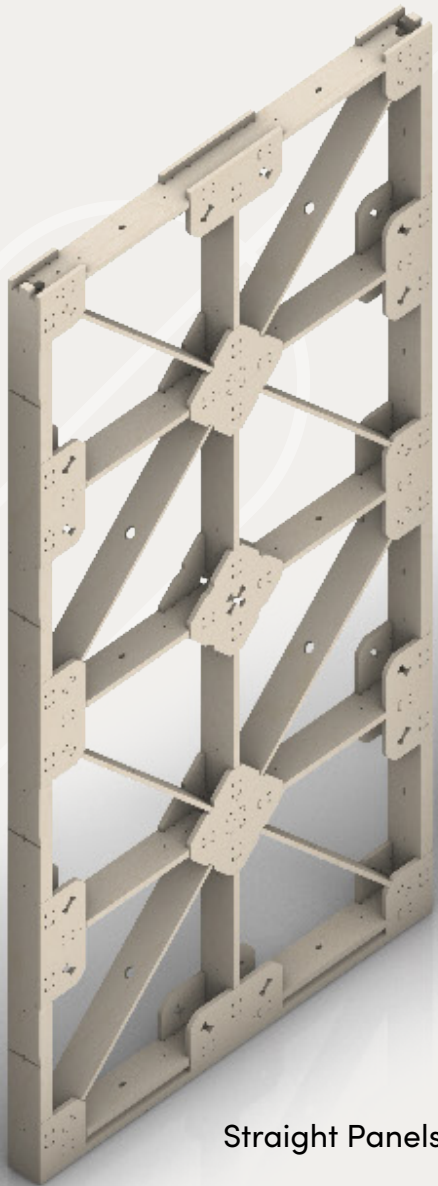
COMPLETELY CUSTOMISABLE



Custom Openings



Rounded Corners



Straight Panels



Short Panels



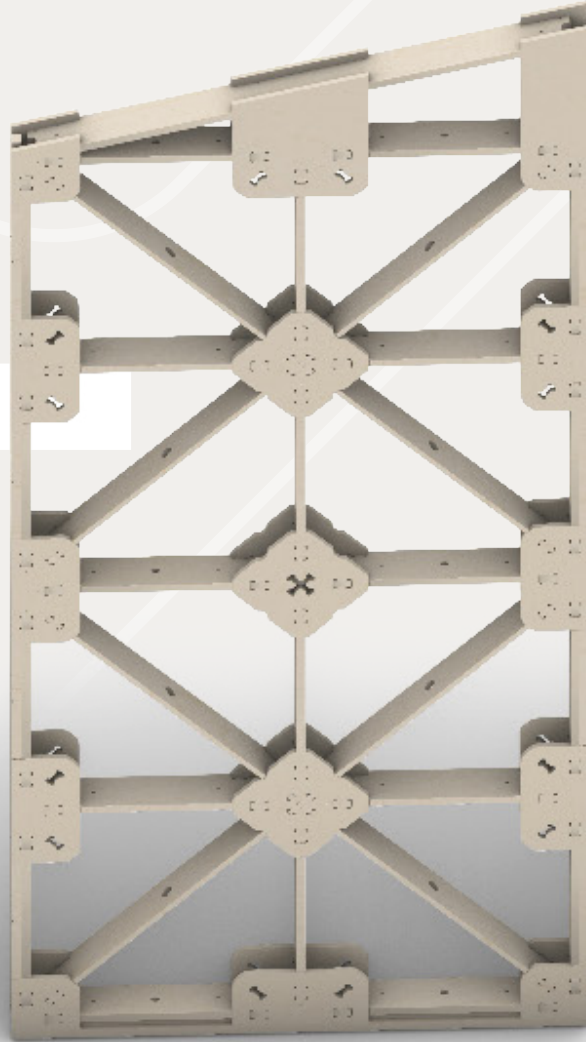
Custom Angles



Custom Widths



Racked Options



# XFrame's technology has been built with scalability at its core.



It automates at least 95% of design to fabrication processes.



XFrame unlocks efficiencies in design, project delivery, and material selection through client collaboration.



XFrame leverages existing manufacturing and supply chains, meaning XFrame does not require investment in manufacturing facilities.



Preparation of design estimating, carbon reporting, tendering, manufacturing files and assembly/ install documentation is automated.

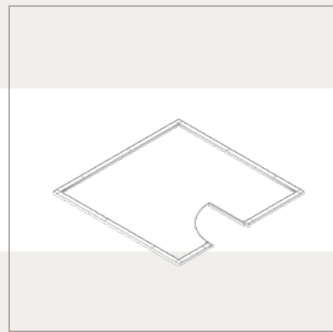


XFrame is agnostic of design input and manufacturing equipment which permits rapid roll out and adoption through partnerships worldwide.





# Automated art-to-part technology platform.



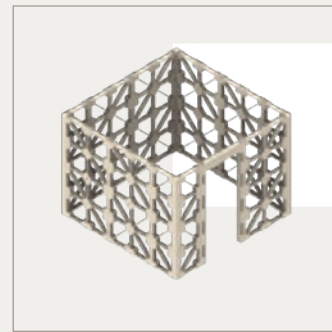
Client design  
(or client brief)

RVT, DXF, SKP, SKETCH



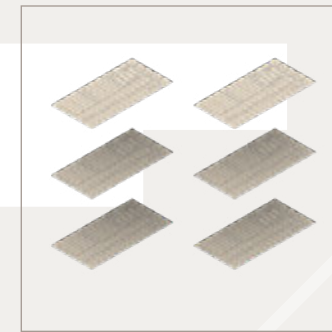
Automated 3D model  
creation for concept  
renderings

<1 HOUR\*



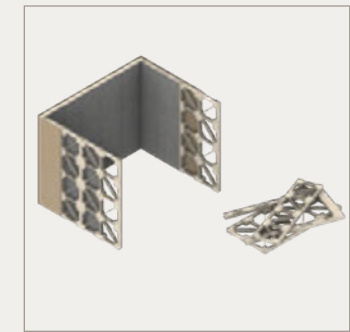
'One-click' conversion  
to parts for costing  
carbon data

<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



## Key



Hardware



Software

### Structural

Trade secret material optimisation for **enhanced strength characteristics** via **part orientation, thickness, joint tolerance**.

Shared edge prefabricated panel structural optimisation.

### Optimisation

**Automatic custom part generation.**

**Auto-tooling.**

**Pre-tabling.**

**Automated manufacturing instructions.**

**Automated shop-drawings.**

**Tooled asset reuse.**

**Automatic asset reuse identification.**

Common line milling with auto-nest.

Dynamic automated pricing.

Project, assembly and component scale pricing look-up.

### Process Productivity

### Construction

**Blind single-sided lining mounting.**

Universal cladding interface.

Scalable pre-determined fixing grid.

Hybrid flitch steel and flitch lumber.

Offset, nodal, and gridline planning.

### Sustainability

Integrated carbon library.

Automated carbon reporting.

Yield optimisation.

Multi-project resource sharing.

Standardised component design.

Automatic yield and waste feedback.

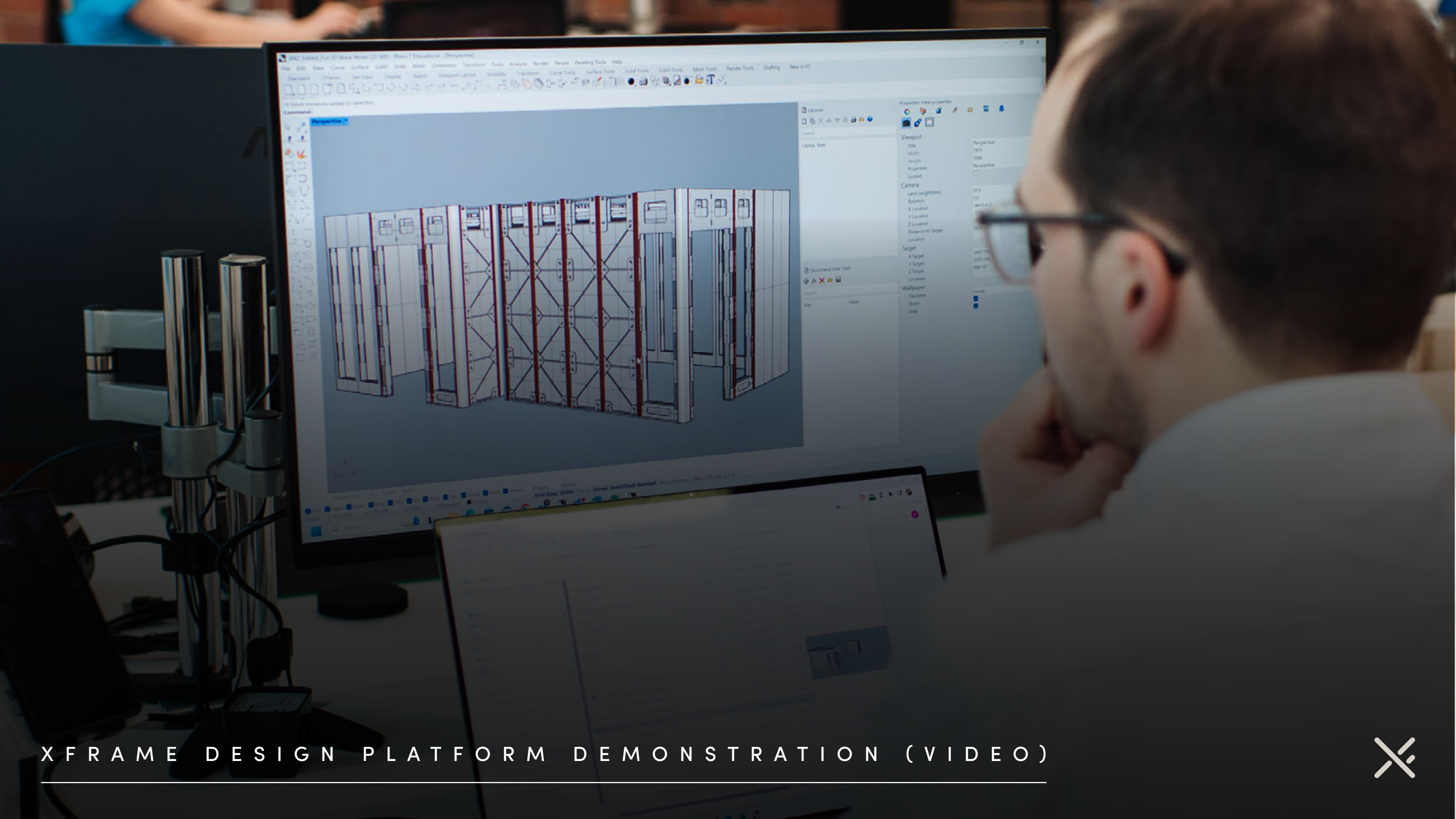
**Highlights:** 2x Live Patents (1x PCT, 1x Provisional) | 3x Live Trademarks | 2x WIP Pending Patents | Ongoing R&D | 200+ items in IP register.





[INSTALLATION DEMONSTRATION \(VIDEO\)](#)





XFRAME DESIGN PLATFORM DEMONSTRATION (VIDEO)





## SYNERGIES WITH XFRAME

---

- × Unique market offering.
- × Modular & completely customisable.
- × Designed to seamlessly integrate into existing partner's operations with minimal workforce disruption.
- × Industry leading carbon, circular and waste mitigating solution.
- × Easily deployed across projects within existing pipeline.
- × Leverage XFrame to strengthen project efficiencies across design, costing, and speed of installation.
- × Market Validated.



XFrame supports Industry partners to leverage the XFrame technology quickly and with minimal increases to operational overheads.

### **XFrame Design Centre**

Design and technical hub provides rapid turn-around on design proposals, schedules, costing, project manufacturing information, assembly and install document packages.

Offers ongoing product adaption expertise and new product development.



### **Industry partners**

Existing market presence, brand, showrooms, sales force, distribution, manufacturing & client base.

Sell, manufacture, distribute and install the entire XFrame range across a region.



XFrame's technology platform and existing product range enables Industry Partners to rapidly grow their market share.



Growing list of corporate clients are now reaching out directly to have XFrame develop tailored solutions.



**New Zealand Government**  
Te Kāwanatanga o Aotearoa



# Contact

**Carsten Dethlefsen**

CO-FOUNDER | MANAGING  
DIRECTOR



**Ged Finch**

CO-FOUNDER | CHIEF TECHNOLOGY OFFICER



[www.xframe.com.au](http://www.xframe.com.au)

