

United Nations Universal Declaration of Human Rights 1948 - Article 25.1 states that:

“Everyone has the right to a standard of living adequate for the health and well-being of himself and his family, including food, clothing, housing...”

Report of the Special Rapporteur on the Right to Adequate Housing to the 57th Commission on Human Rights, E/CN.4/2001/51, § 8, 25 January 2001.

“the human right to adequate housing is the right of every woman, man, youth and child to gain and sustain a secure home and community in which to live in peace and dignity.”



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OVERVIEW...

????????????
????????????

Strategic partner(s) for
collaborative commercialisation.

HAUS
TECHNOLOGIES

=
environment
+
productivity
+
technology

HAUS DMC – Design, Manufacture, Construct
– a vertically integrated platform that aligns modular design and
off-site manufacturing with a digital procurement and logistics hub.

sustainable, energy efficient, zero waste, low carbon

automation, robotics, modular, off-site manufacturing

digital thread, industrialization, smart systems, patents

globally, the housing industry suffers from...

...a supply shortfall

...a lack of climate resilience

...a widening affordability gap



...creating an unprecedented DEMAND-SUPPLY imbalance.

PROBLEM...

our patented...

ZEBE green building technology...

combining

- climate tech ›
- industrial tech ›
- energy tech ›
- construct tech ›
- fin tech ›



...focused on 'industrialised preconstruction'.

[Animation video at: <https://www.zebe.solutions>]

SOLVED...

through a...

digital platform for DMC

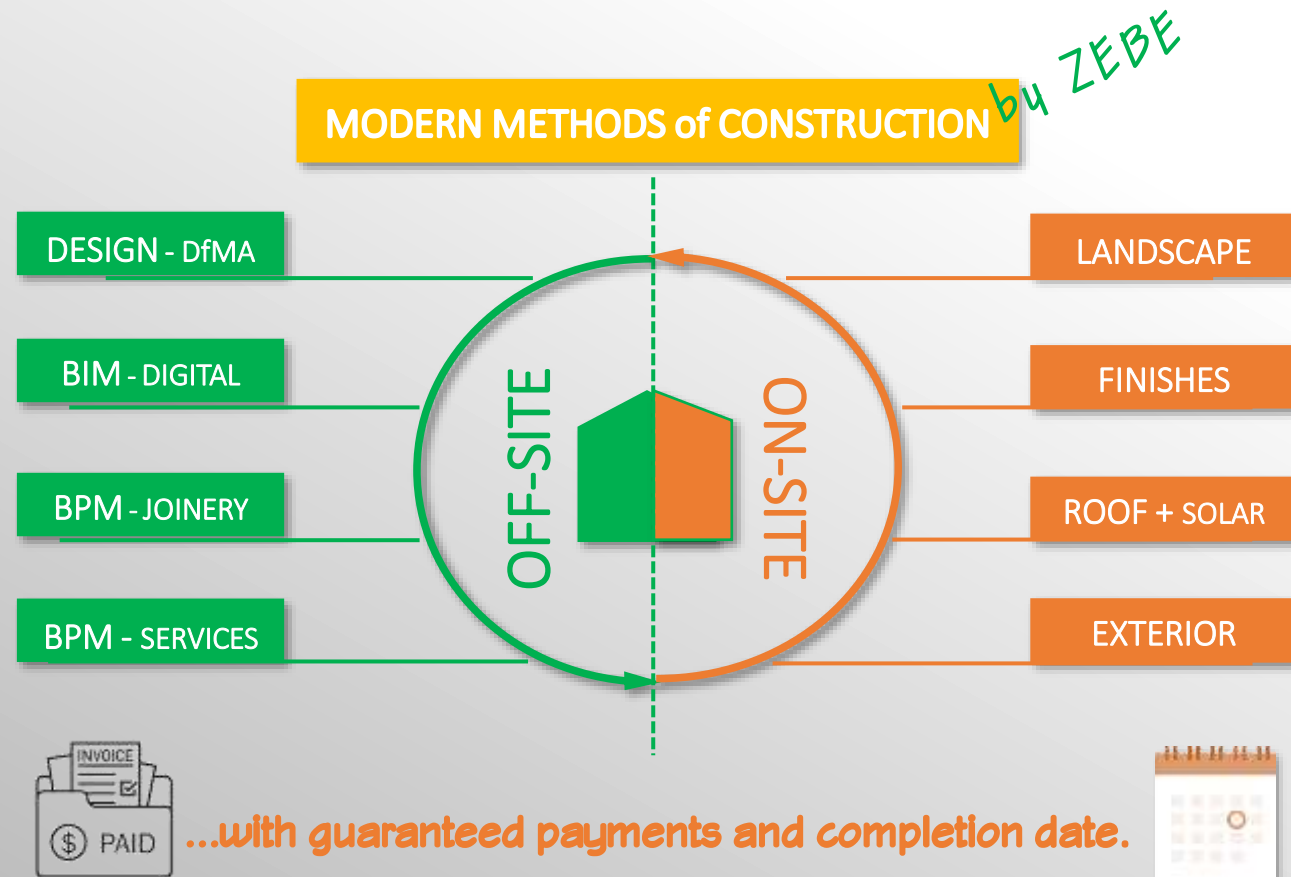
Design, Manufacture, Construct.



...a vertically-integrated procurement & logistics hub
that creates sustainable homes using our proprietary
ZEBE 'zero energy building envelope' system.

DELIVERED...

...CAD data is seamlessly integrated
throughout ordering, off-site manufacturing & on-site installation.







go fast and go far...

to maximize the positive environmental impact
of our simplified building system



...with multiple regional manufacturing centers utilizing local labour and materials
boosting economies while eliminating craneage, heavy haulage and emissions.

ENVIRONMENTAL
sustainability targeting
carbon-neutral by 2030.

SOCIAL housing is
prioritized for affordable
and accessible homes.

GOVERNANCE in the
best interests of all
stakeholders.

... committed to be an industry leader in Environmental, Social & Governance outcomes.

over 2.4^{2021/22} million new detached home
permits per annum...

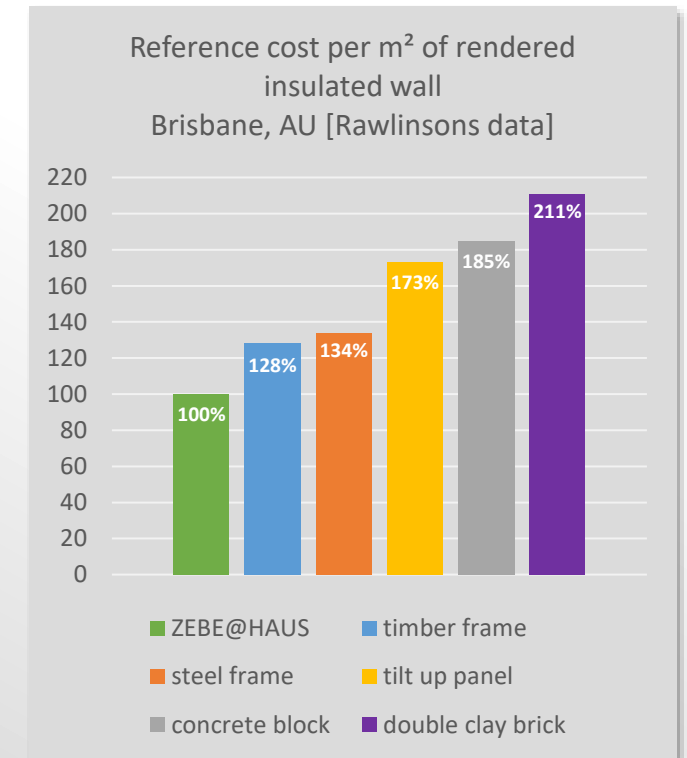
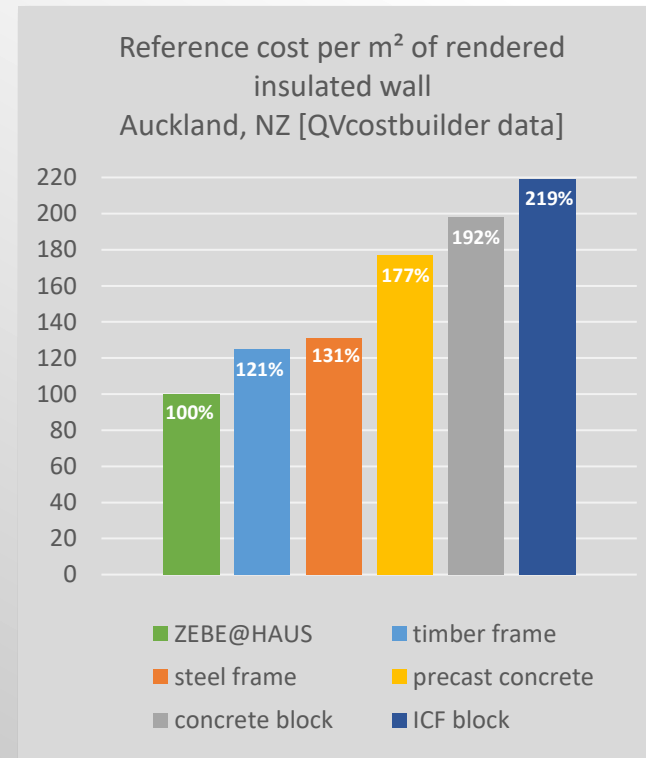
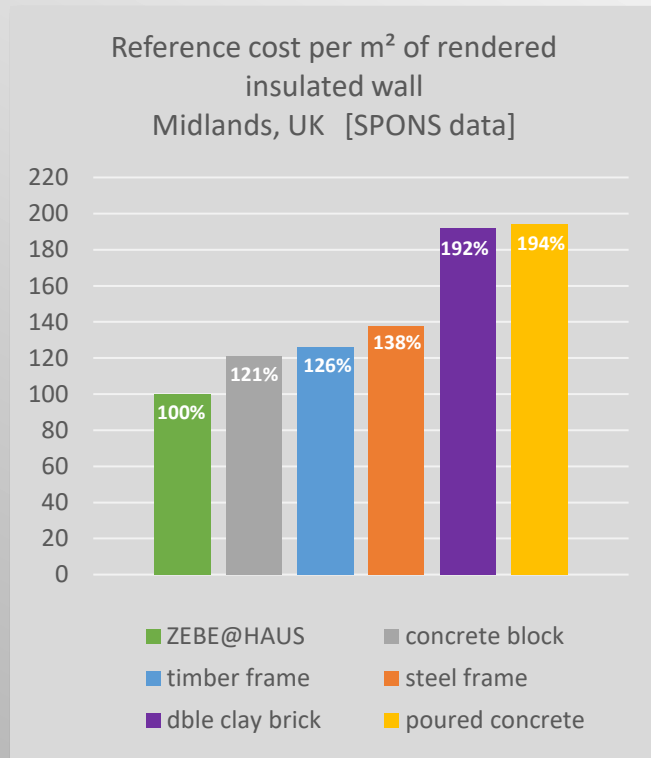
our contestable "western European, north American & south Pacific" markets.



"Imagine living in a home that is naturally cool in summer, yet still warm in winter, without air-conditioning and central heating, effectively reducing your energy consumption by 85%."

a significant cost advantage...

compared to other insulated wall types (per m² installed)...

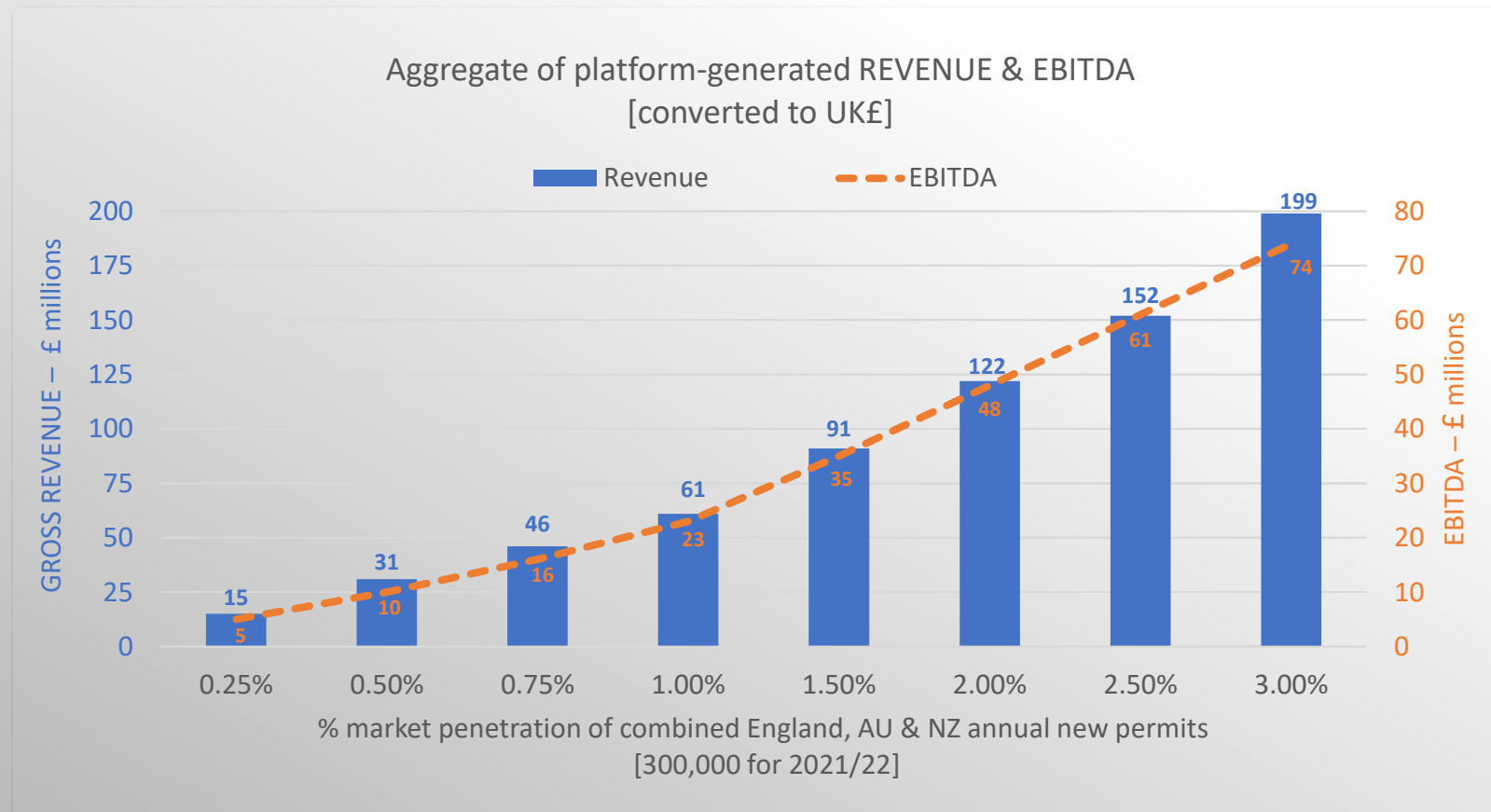


... in addition to the time saved from the quicker build cycle.

COMPARE...

revenue and margin growth...

from platform-generated panel manufacturing activities in UK, AU & NZ



EARN...

...to plan & execute strategies.

BOARD ADVISORS

Diverse experience, identifying team building skills for senior management roles and recognizing the special leadership qualities of veterans.



Peter M. NEIL
Founder/CEO

- Over 40 years of design, construction, manufacturing & business management.

- Managing Director of residential design & construction company building distinctive homes and low-rise apartments
- Chief Operating Officer of iconic composite marine manufacturing company in Florida, USA.
- Designed 'YACHTBUILDER' in-house program to streamline manufacturing, ordering, scheduling and payments, incorporating stability analytics.



Community Housing
Business Development Managers
- UK & Western Europe,
- Australia & NZ



Data Management & Platform
Development Manager



Manufacturing and
Production Manager
- United Kingdom



Manufacturing and
Production Manager
- Australia & New Zealand



Manufacturing and
Production Manager
- Western Europe



Factory Planning & Automation
Systems Design Engineer



...for collaboration to demonstrate the technology.

- i. Construct a Zero Energy Building Envelope to structural engineer's specification...
- ii. Evaluation by regional, state & federal governments, insurance council, banks...
- iii. Transform envelope to a completed home...
- iv. Sell house to recover funds...
- v. Return of expenditure.



CONTACT...



A Construction Technology Company

Mr. Peter M. NEIL

Tel: +44 (0) 7509 768 857
innovate@haus-technologies.com
www.haus-technologies.com

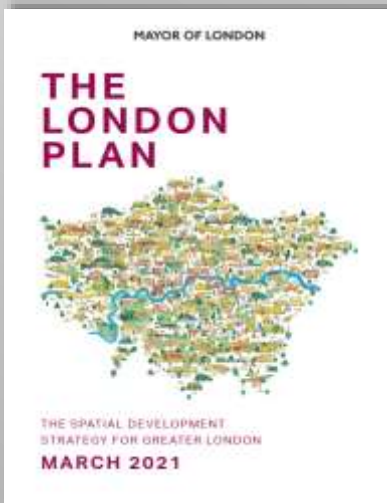
HAUS Technologies Limited
HAUS Technologies Limited
HAUS Technologies Pty Limited

United Kingdom
New Zealand
Australia



UK PANDEMIC RECOVERY INITIATIVE: INVEST £11 BILLION FOR A £32 BILLION RETURN TO GET BRITAIN BUILDING CREATING INCLUSIVE JOBS AND ECONOMIC GROWTH

Social Housing - the objective should be to construct 30,000 houses per year for the next two years...the cost per year would be £2.25 bn.



Mayor's Strategic Housing Market Assessment (SHMA) has identified a need for 66,000 additional homes per year ...with a target for 50 per cent of all new homes to be genuinely affordable... (and) all new buildings needing to be constructed to 'zero-carbon' standards and in line with a 'circular economy'.



The Australian federal government revealed in the October 2022 budget its ambition to build one million homes from 2024 – 2029, via measures such as it's \$10 billion Housing Australia Future Fund and a National Housing Accord which seeks to align all levels of government, private investors and the construction sector to help tackle the nation's housing crisis.



The Hub aims to:

- › Increase collaboration and engagement...to grow the global competitiveness of Australian manufacturers, increase exports, encourage growth and create jobs
- › Support new technologies and innovations enabling the transformation of the industry to provide smarter, more affordable and more sustainable construction solutions for Australians
- › Grow the manufactured buildings ecosystem to improve business capability to incorporate advanced technologies and processes within industry.
- › Create a platform for a globally competitive industry.

Australian government initiative...

Twelve international reports...validating our disruptive technology.



How disruption is reshaping the world's largest eco-system.
McKinsey
JUNE 2020



A collection of insights on scaling modular construction.
McKinsey
SEPT 2019



A guide to overcoming challenges and barriers.
The Housing Forum
SEPT 2019



Modular construction's time has come.
McKinsey
JUNE 2019



An industry led pathway to a zero carbon ready building code.
ASEBC
JULY 2018



The contribution of offsite manufactured homes to solving (a) housing crisis.
London Assembly
AUG 2017



Building Skills for Offsite Construction.
Construction Industry Training Board
APR 2017



Modernise or Die – Time to decide the industry's future.
Construction Leadership Council
OCT 2016



Creating a framework for the industry to thrive.
Chartered Institute of Building
MAY 2016



How offsite manufacturing can transform our industry.
KPMG
APR 2016

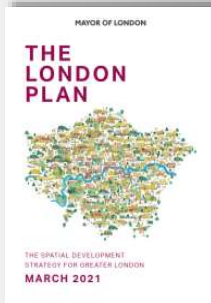


How modern methods of construction can deliver more and better-quality homes.
The Housing Forum
MAY 2015



Energy efficient building envelopes.
International Energy Agency
DEC 2013

REPORTS...



Strategic Housing Market Assessment (SHMA) has identified the need for **66,000 additional homes** per year.
The strategic target is for **50 per cent** of all new homes delivered across London to be **genuinely affordable**.



Heriot-Watt University
National Housing Federation
...the UK will face a **shortage of four million housing units** by the end of 2031.



2021 Autumn budget confirms £11.5bn Affordable Homes Programme to build **180,000 new homes**.



Victoria government commits \$5.3b towards building **12,000 social housing homes**, including **2,900 affordable homes**...



AHURI report indicates a **shortfall** of more than **433,000 social housing dwellings** throughout Australia...



CHIA reports **deficit** of... social and affordable homes will blow out to over **1 million** by 2036, with one-third occurring in **NSW**...



Govt. 2021 Resource Management bill... aims to ... **boost supply by up to 105,000 new homes** in the next eight years.



Un-met housing need:

Germany	1 million
France	500,000
Italy	500,000
Netherlands	419,000
Denmark	390,000
Ireland	165,000
Sweden	160,000
Luxembourg	92,000



German government pledges funding for **1.5 million new homes** in next 4 years...



French government's housing strategy "**to build more**, better and cheaper housing"...



Ireland's HOUSING FOR ALL plan will allocate €4bn annually to **build 300,000 homes** by end of the decade.



There is an investment gap in affordable and social housing of **EUR 57 billion per year** in the EU....
OECD-FORUM - 21.06.21



Dutch government plans to **build 7,500** new affordable homes per year ...



"In European metro areas **housing has become unaffordable**...construction is not keeping up with demand" - World Bank.

PULL FACTORS... USA & Canada



National Housing Strategy is a 10-year, \$40-billion plan to **expand**...the supply of **affordable housing**...up to **100,000** new units...



British Columbia is investing CA\$ 7 billion in housing affordability over 10 years... including **114,000 social houses**...



California Governor Newsom has promised to create **3.5 million new homes** by 2025 to absorb existing demand and population growth...



California Housing Partnership has identified a **568,000 shortage** in affordable units in greater Los Angeles alone....



Texas has a **shortage** of **600,000** affordable homes, according to the National Low-Income Housing Coalition...



Multiple wildfires on west coast have destroyed even more homes that need to be rebuilt to **fire-resistant** building standards...



Associated General Contractors reports "all regions of the US are affected by **severe** craft **worker shortages**..."



Chief Economist Robert Dietz states that "market is now **undersupplied** by about **1 million** housing units..."