

The background of the entire slide is a photograph of a forest with tall, thin trees and sunlight filtering through the canopy. In the top left corner, there is a dark grey rectangular box containing the company logo. The logo consists of the words "MEDITE" and "SMARTPLY" in a bold, white, sans-serif font, with "INNOVATIVE TIMBER PRODUCTS" in a smaller font below them. To the right of the text is a white icon of a stylized tree or a stack of timber.

**MEDITE<sup>®</sup>**  
**SMARTPLY<sup>®</sup>**  
INNOVATIVE TIMBER PRODUCTS

## **SPECIFYING WOOD-BASED PANELS WITH CONFIDENCE**

Roly Ward – Head of Business Development



# LEARNING AIMS

**01** Who are MEDITE SMARTPLY?

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**02** Sustainable Timber

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**03** What is MDF?

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**04** MDF Products & Applications

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**05** What is OSB?

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**06** OSB Products & Applications

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**07** Specialist Panel Products

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**08** Questions

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# WHO ARE MEDITE SMARTPLY?

**MEDITE®**  
**SMARTPLY®** |  
INNOVATIVE TIMBER PRODUCTS





# COILLTE – SUSTAINABLE WOOD

## WOOD PRODUCTS

Our roundwood is categorised into three products which our customers process into a wide range of uses.

Coillte log type	Customer end market use
Pulp wood	Wide variety of uses including: wood based panel products (MDF, OSB), animal bedding products, biomass and firewood.
Small sawlog	Pallet and fencing type products used in Irish and UK markets
Large sawlog	Mainly construction carcassing grade timber for use in the Irish and UK construction markets



## THE FOREST CYCLE



# BUILDING WITH TIMBER

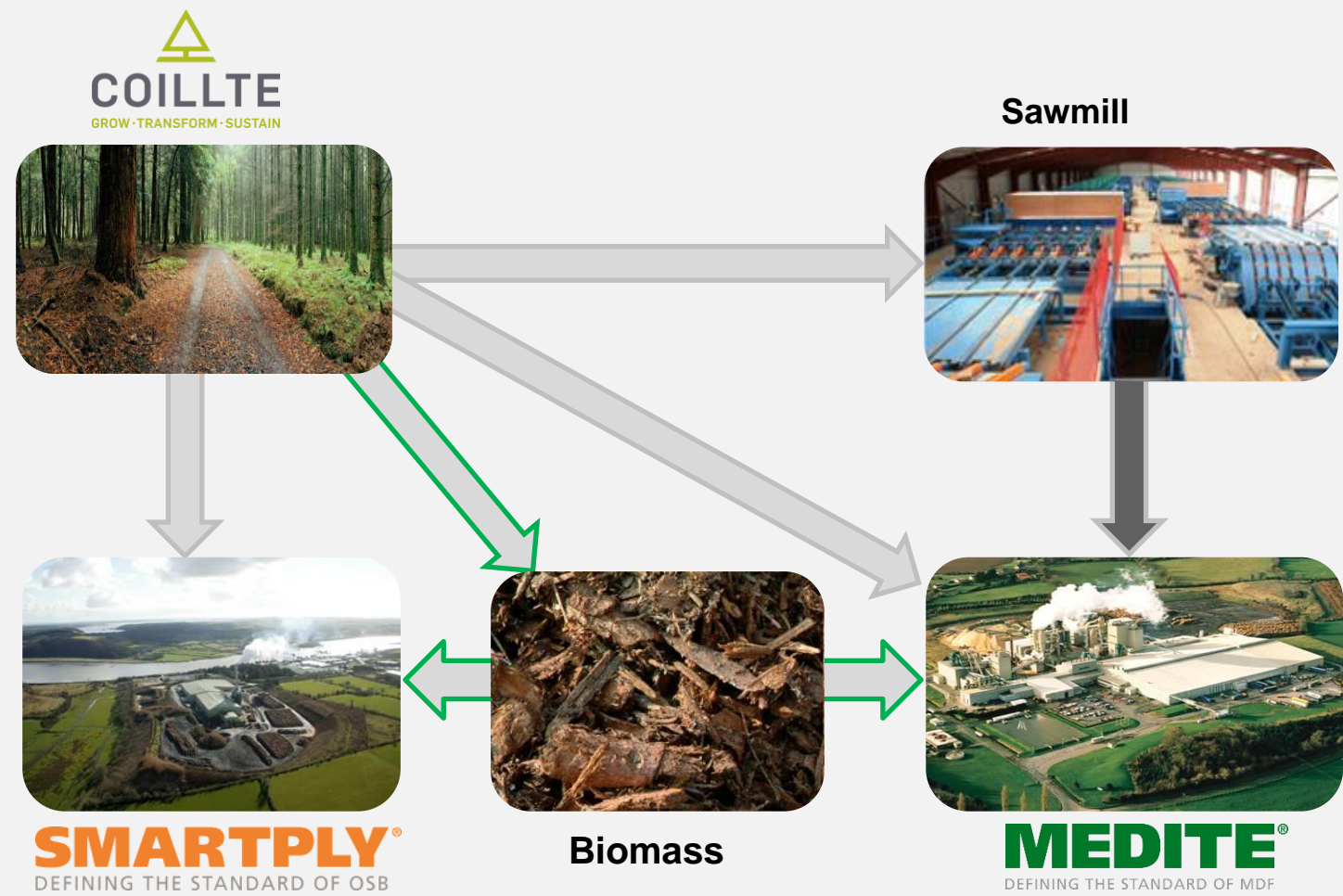


- 39% of global energy related carbon emissions come from buildings.\*
  - 28% from operational emissions, from energy needed to heat, cool and power them
  - 11% from materials and construction

Timber is a natural, renewable, low-carbon material. Greater use of timber could mitigate climate change.

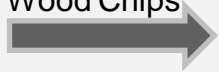
\* <https://worldgbc.org/advancing-net-zero/embodied-carbon/>

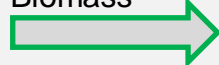
# RAW MATERIAL



**Key**


Logs 


Wood Chips 

Biomass 




# SECTORS





Modern Methods of Construction (MMC) Guide

Let's do the right thing!

**MEDITE  
SMARTPLY**   
INNOVATIVE TIMBER PRODUCTS





A GUIDE TO OSB  
Drylining

Let's do the right thing!

**MEDITE  
SMARTPLY**   
INNOVATIVE TIMBER PRODUCTS





A GUIDE TO OSB  
Roofing

Let's do the right thing!

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SMARTPLY**   
INNOVATIVE TIMBER PRODUCTS





A GUIDE TO OSB  
Site Hoarding

Let's do the right thing!

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SMARTPLY**   
INNOVATIVE TIMBER PRODUCTS





A GUIDE TO MDF & OSB  
Fit-Out

Let's do the right thing!

**MEDITE  
SMARTPLY**   
INNOVATIVE TIMBER PRODUCTS

# MDF



# OVERVIEW OF MEDITE - MDF

**MEDITE®**  
DEFINING THE STANDARD OF MDF

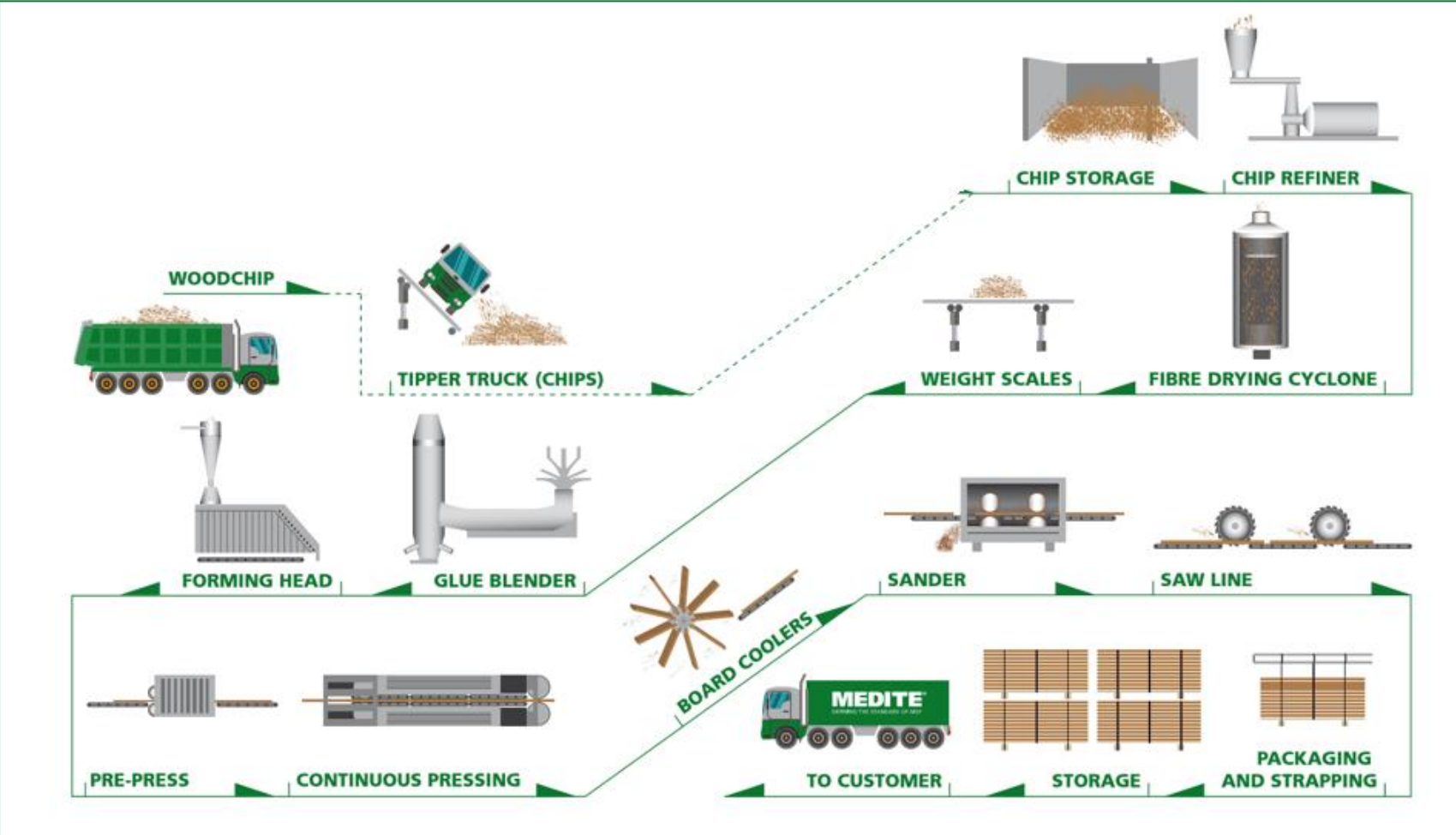


# MDF APPLICATIONS





# MDF MANUFACTURING PROCESS



# OSB



# OVERVIEW OF SMARTPLY - OSB

**SMARTPLY®**  
DEFINING THE STANDARD OF OSB

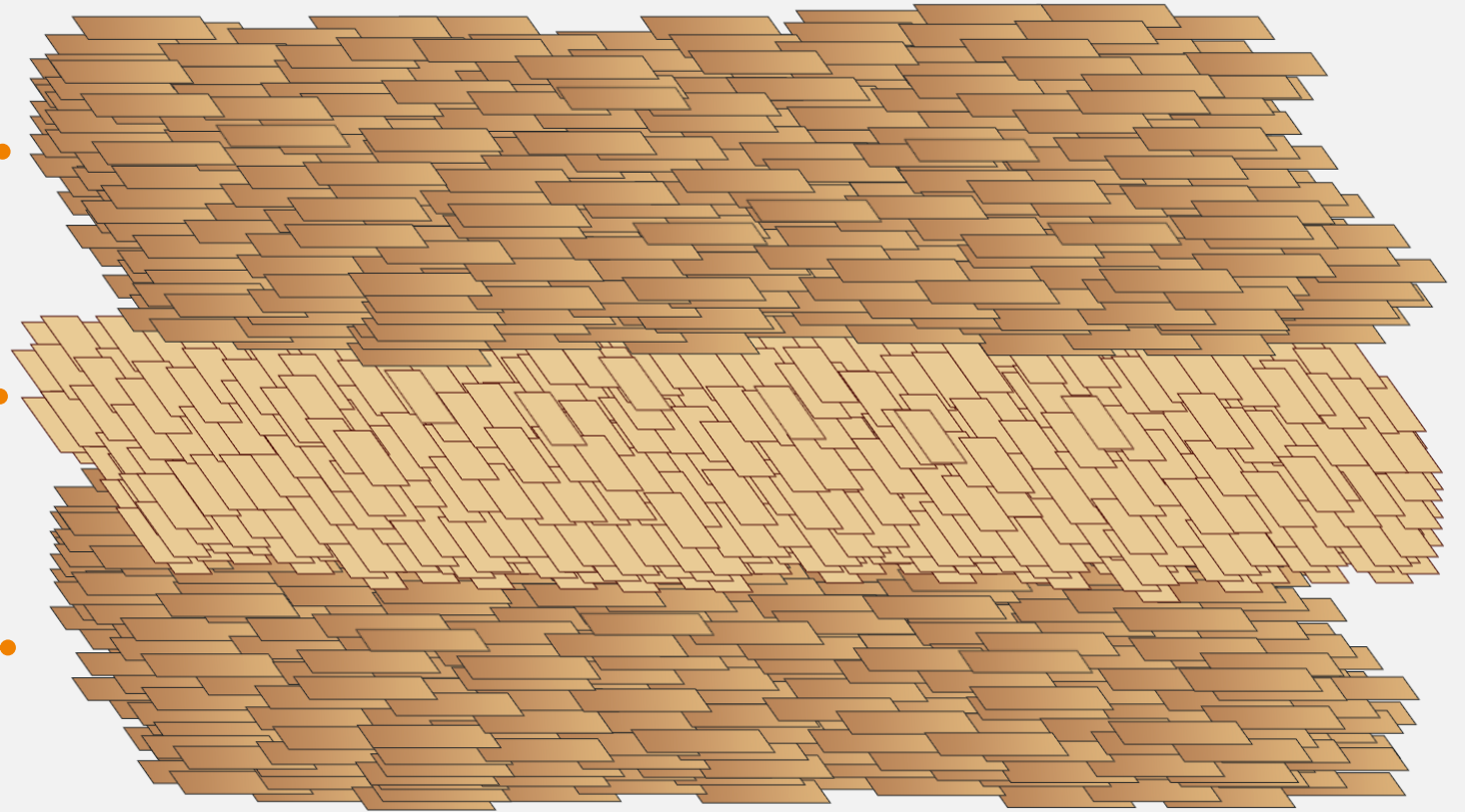


# WHAT IS OSB?

**STRANDS ORIENTED  
ALONG LENGTH  
OF PANEL**

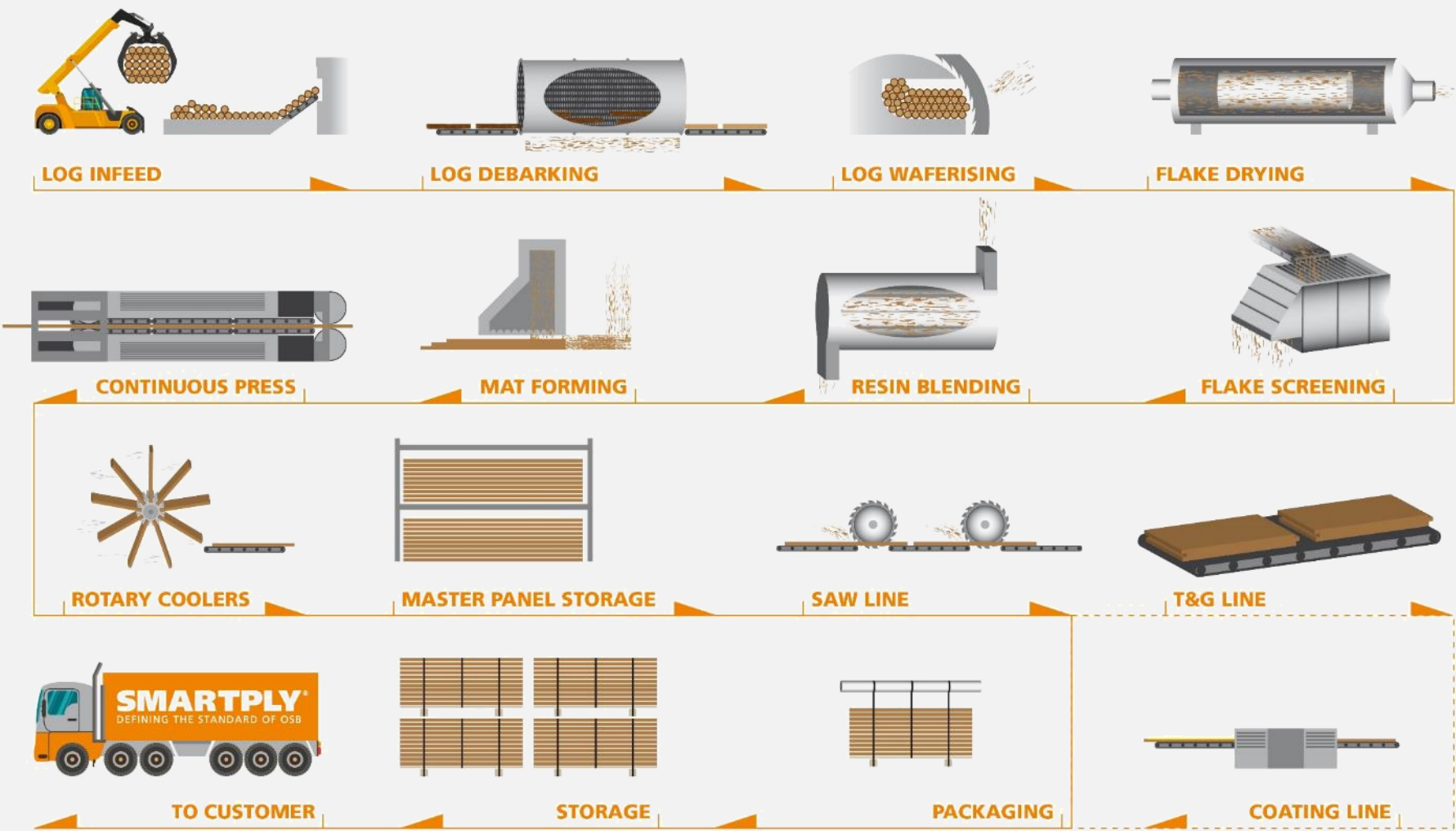
**CORE STRANDS  
ARRANGED CROSS  
ORIENTATION**

**STRANDS ORIENTED  
ALONG LENGTH  
OF PANEL**





# THE OSB PROCESS



# OSB APPLICATIONS







# SPECIALIST PANEL PRODUCT - FR







In partnership with



STRUCTURAL  
TIMBER ASSOCIATION  
*Building offsite solutions in timber*

Structural timber buildings  
fire safety in use guidance  
Volume 1 - Pattern book systems

STA fire safety research and guidance project  
Revision v2.0 March 2021






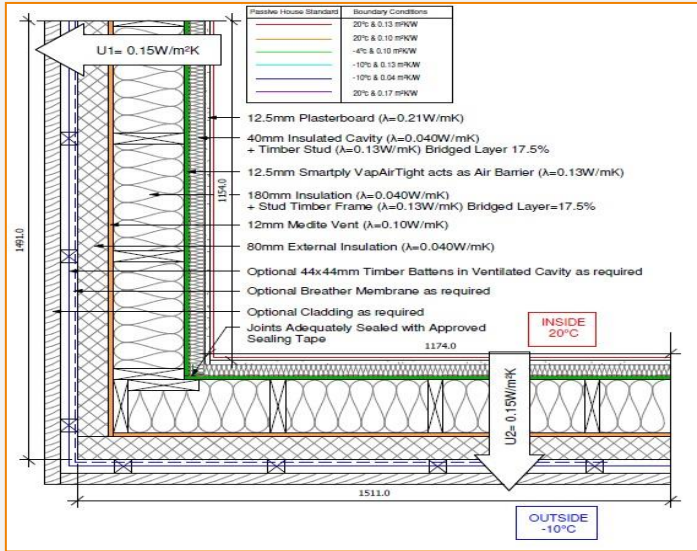


Image courtesy of Stewart Milne Timber Systems Ltd



# LOW ENERGY & PASSIVHAUS BUILDINGS



- ✓ An exclusive coated OSB3 panel
- ✓ Airtightness engineered into the OSB substrate
- ✓ Structural - excess category 1 racking strength
- ✓ Integrated vapour barrier
- ✓ Consistent high vapour resistance
- ✓ Smooth durable surface for bonding airtight tape at joints
- ✓ Robust alternative to specialist AVCL membranes



# THANK YOU

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