Planta de grandes dimensoes para produçao descontinua de panéis de isolamento

Congresso Internacional de Poliuretano 2012

Palestrante: Riccardo Mezzera

Yearly Global Turnover:200-250 Mil €

PU is our Core-Competence:

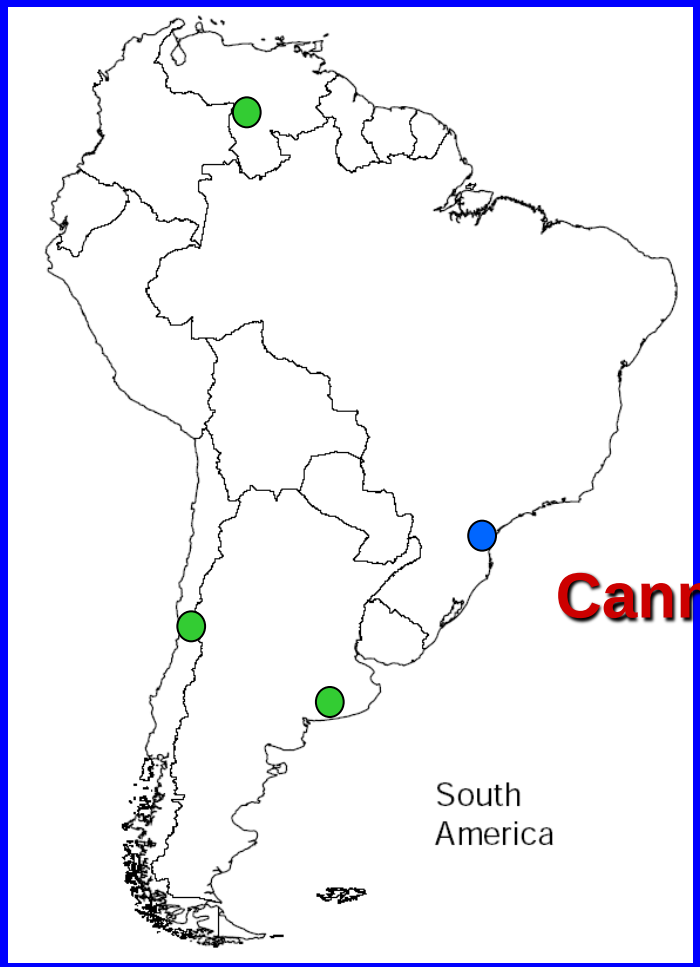
the highest number of machines installed in production

High and low pressure technologies

- From 1 g/s to 1,000 Kg/min
- More than 13,000 machines sold in production lines
- More than 30,000 mixheads sold in production lines

Cannon

in South America



Cannon do Brasil

Production of very large building sandwich panels

- One shot pouring
- No compartments
- No inside beams
- Up to 20m (66ft) by 4.2m (14ft)
- Roof and wall panels

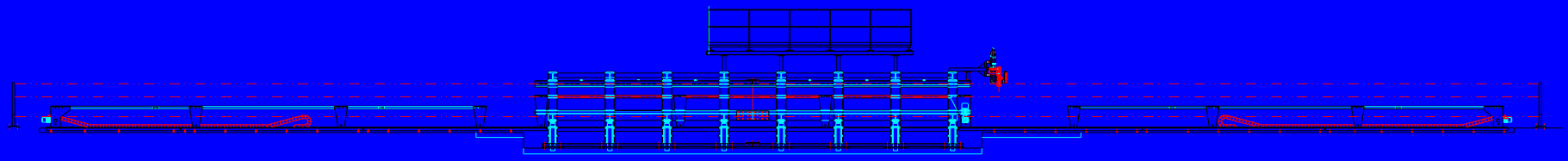
Solution

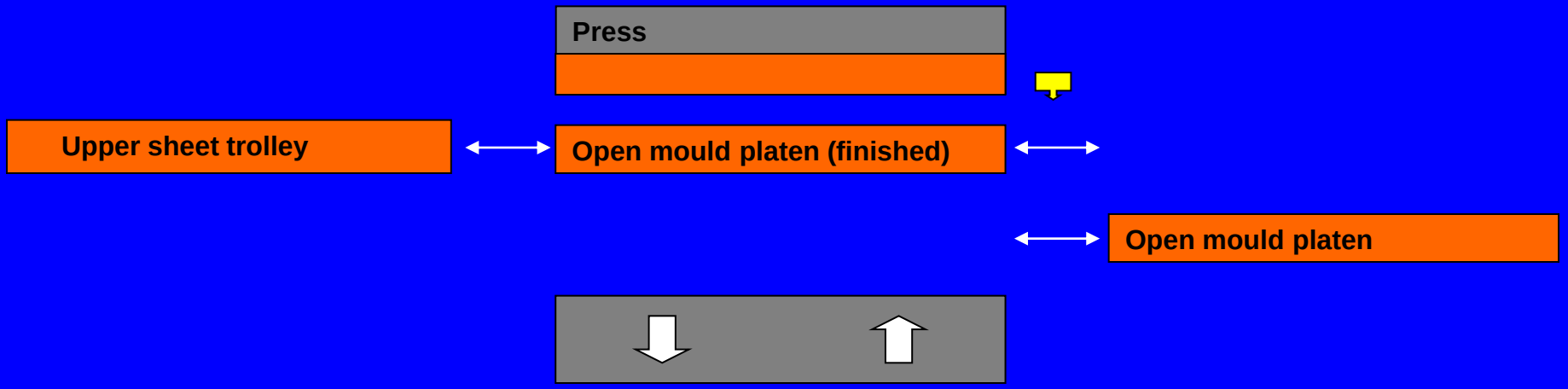
Open mould discontinuous system

Sandwich panels made by

open mould pouring discontinuous

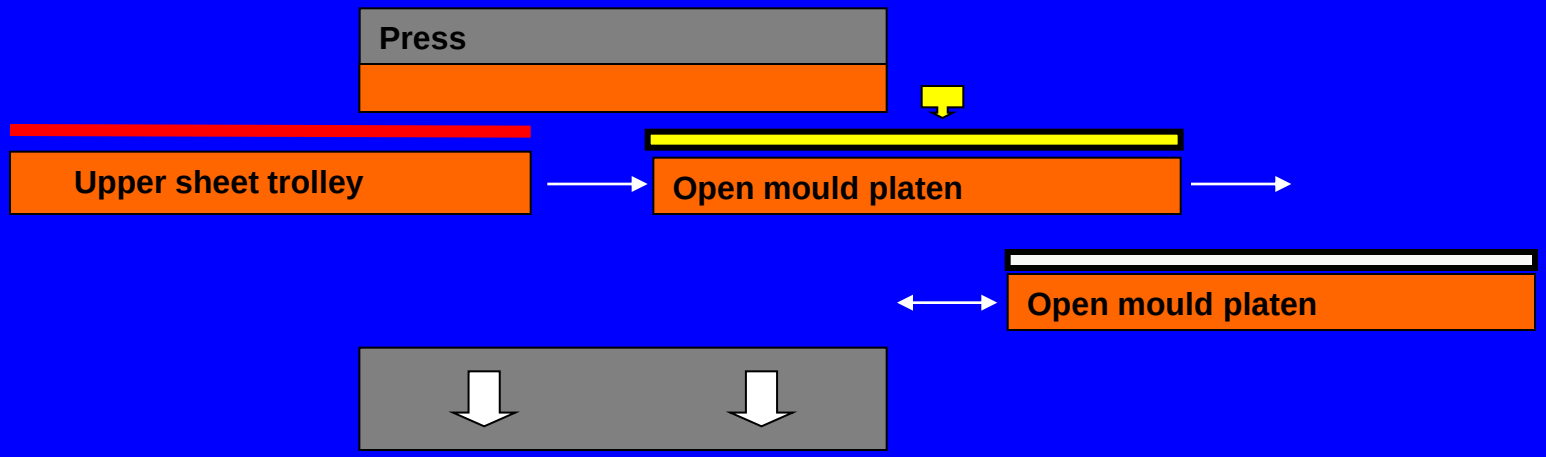
Principle open mould discontinuous





End of curing

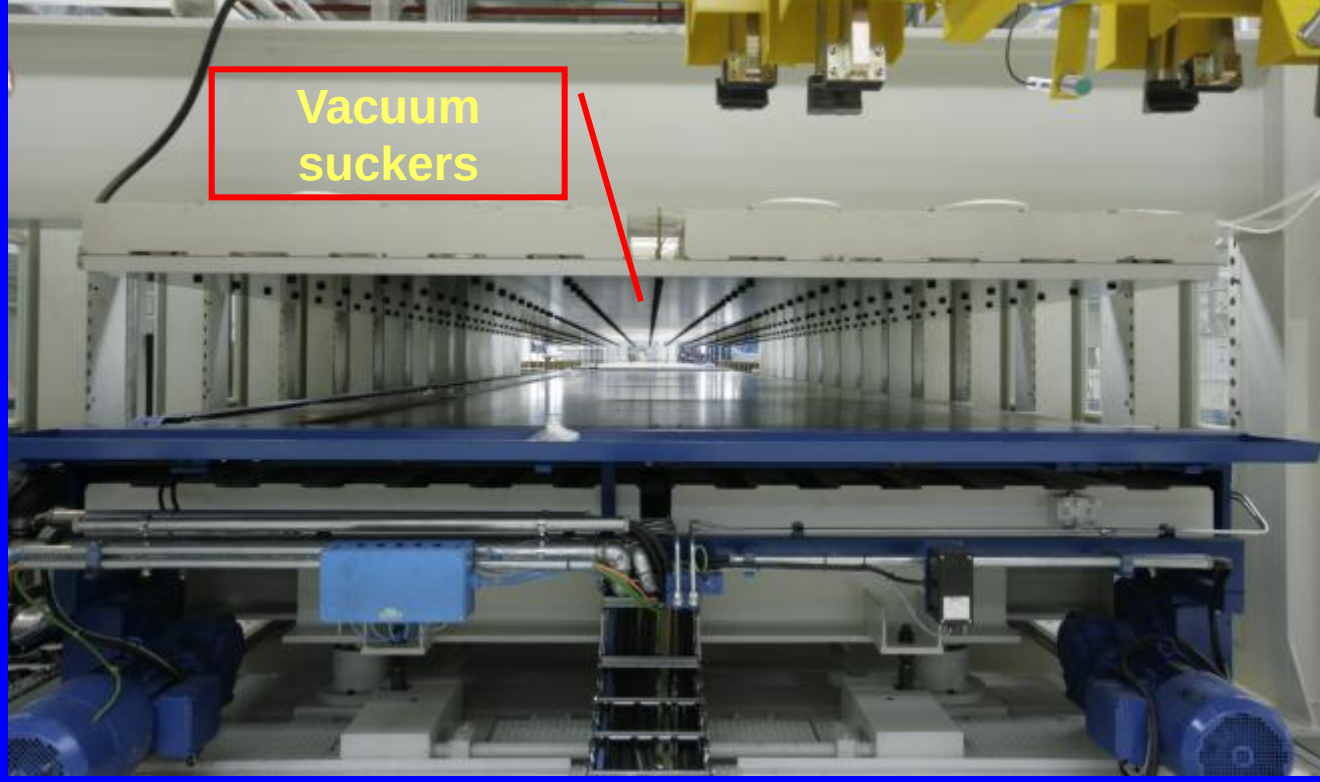
End of curing
Press opens
Platen goes out
Upper sheet enters

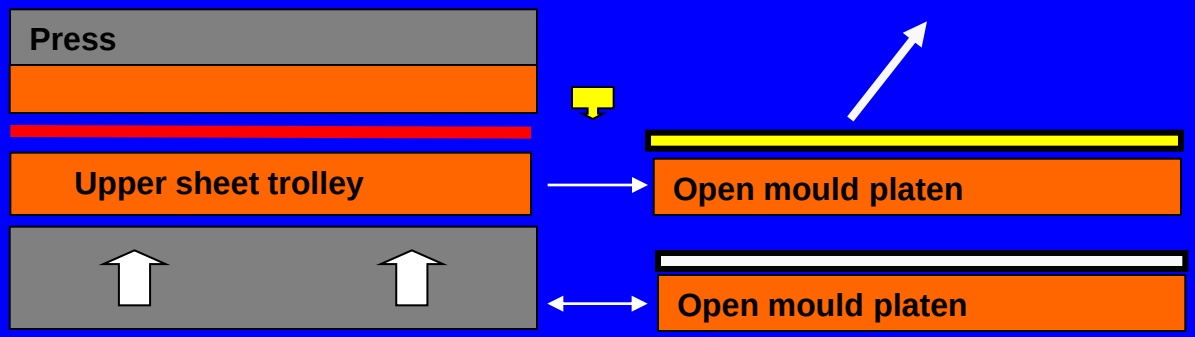


Loading

upper sheet

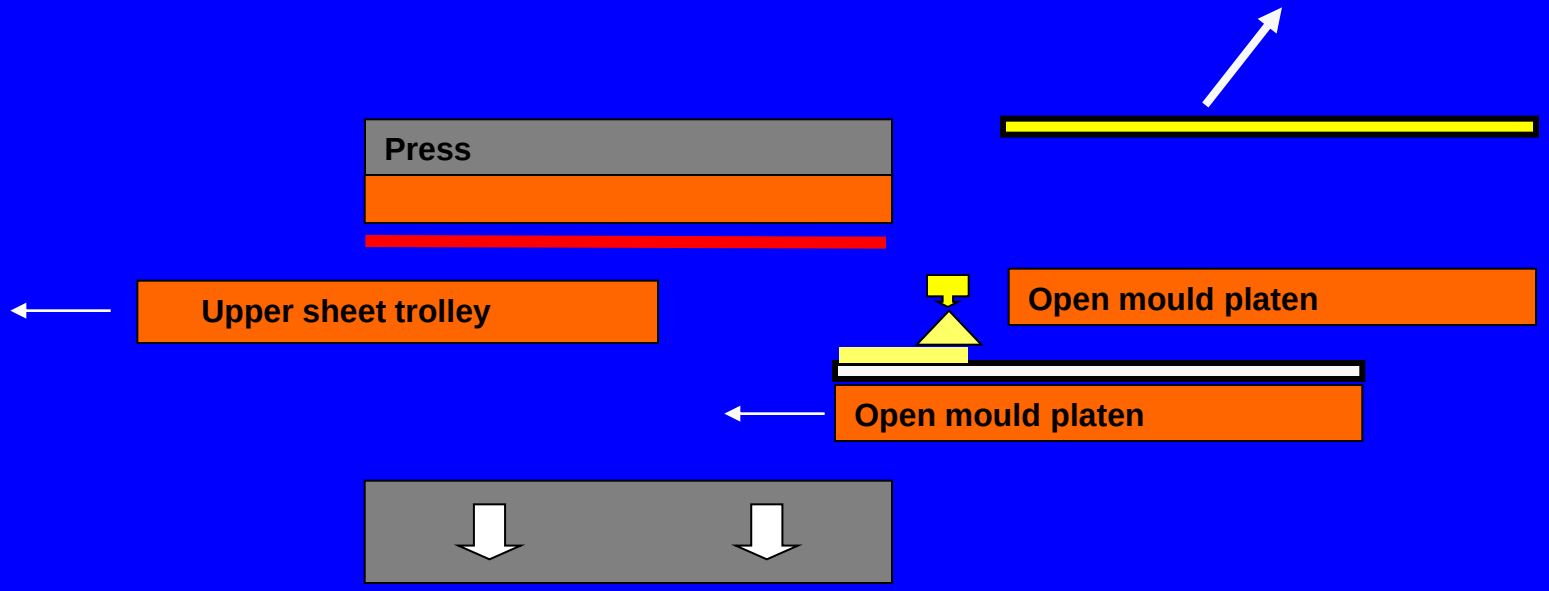
Press closes to fix upper sheet by vacuum
Foamed panel is unloaded





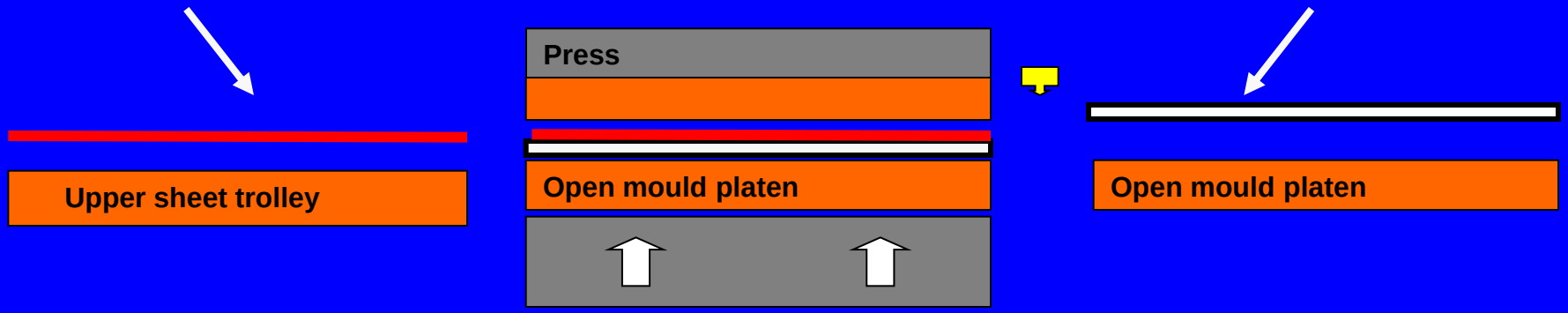
Foaming

- Mixing head lower
- Upper sheet trolley goes out
- Simultaneously panel on lower trolley is foamed while entering

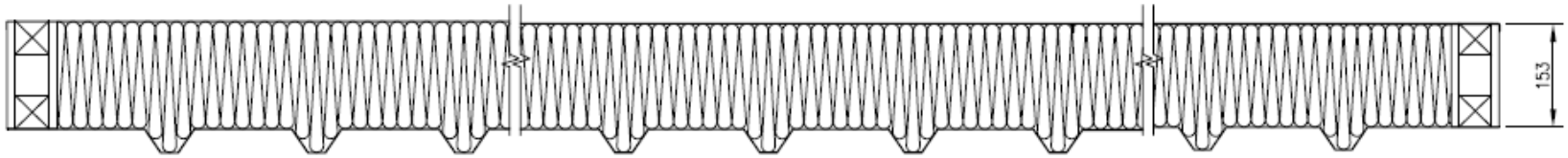


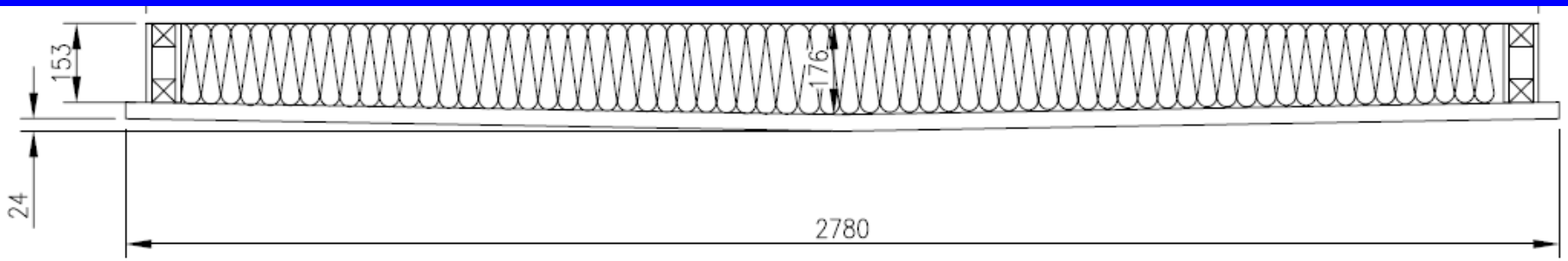
Curing

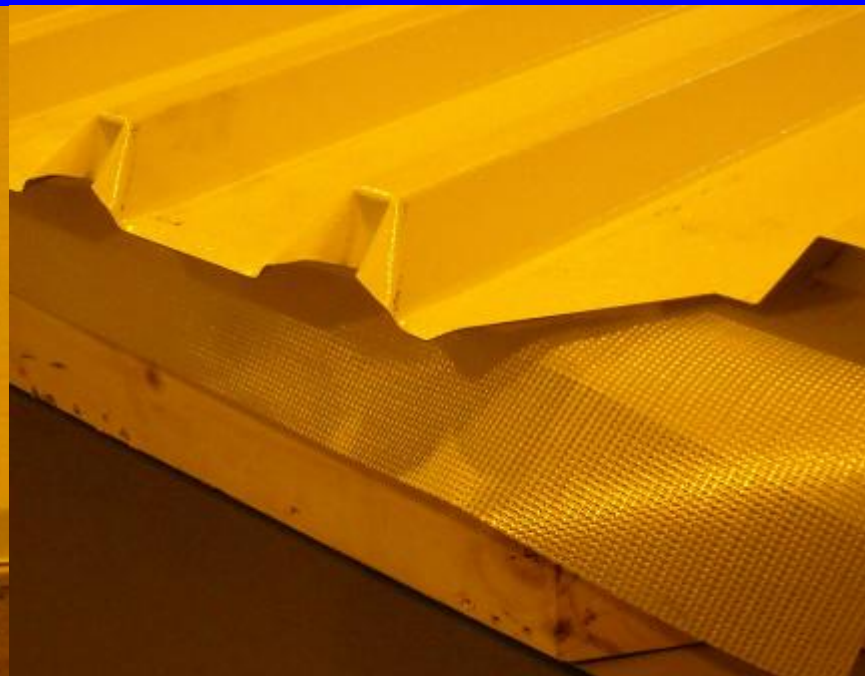
- The press closes and the curing starts
- A new panel is prepared in masked time
- A new upper sheet is loaded

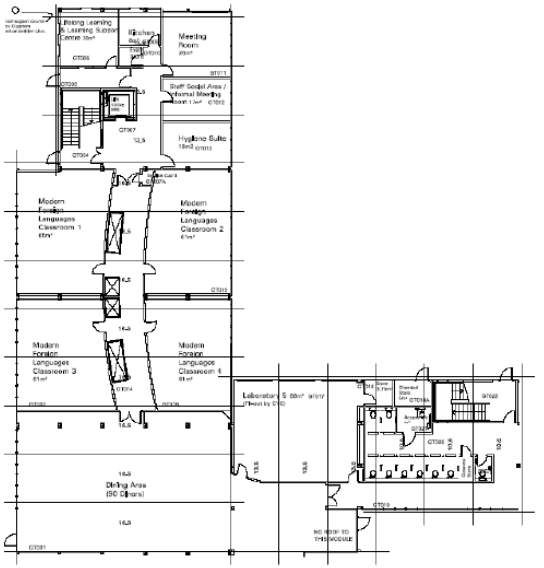


ROOF panels 2 widths 90 different dimensions

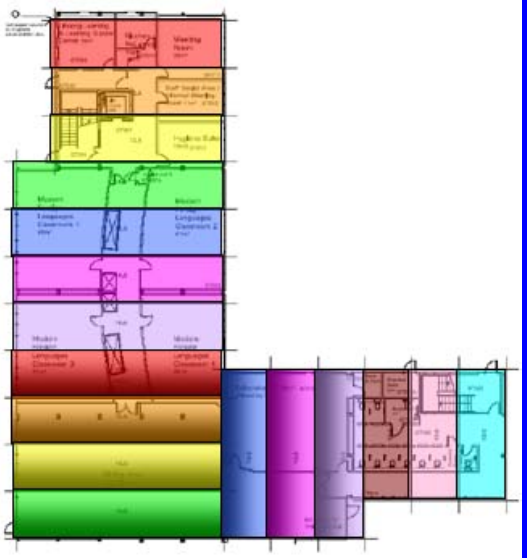




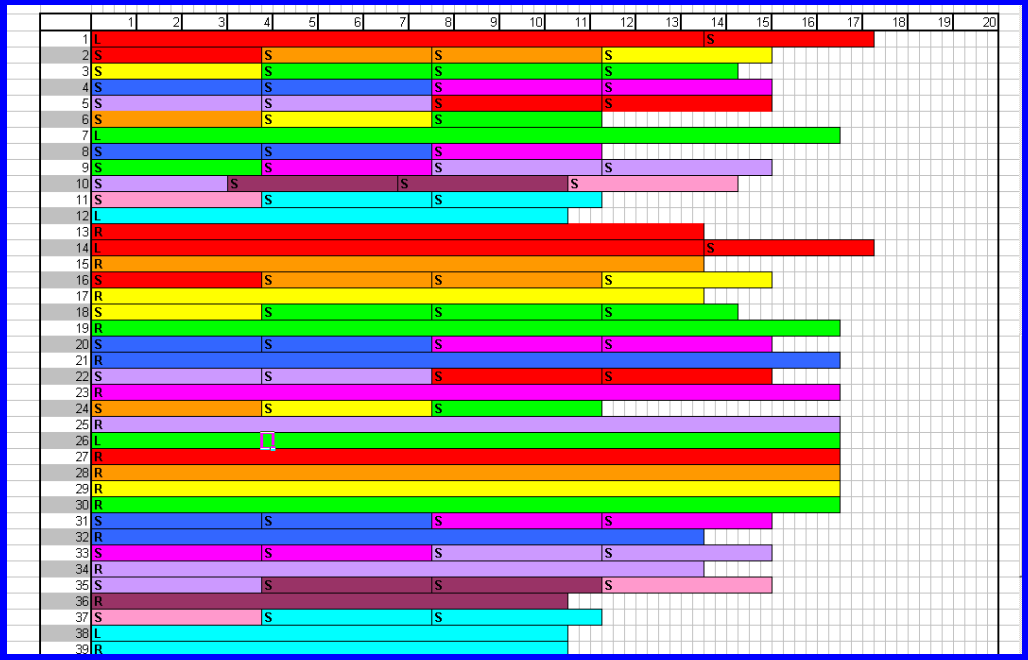




Proposed New Module configuration
34 Modules



Proposed New Module configuration
34 Modules

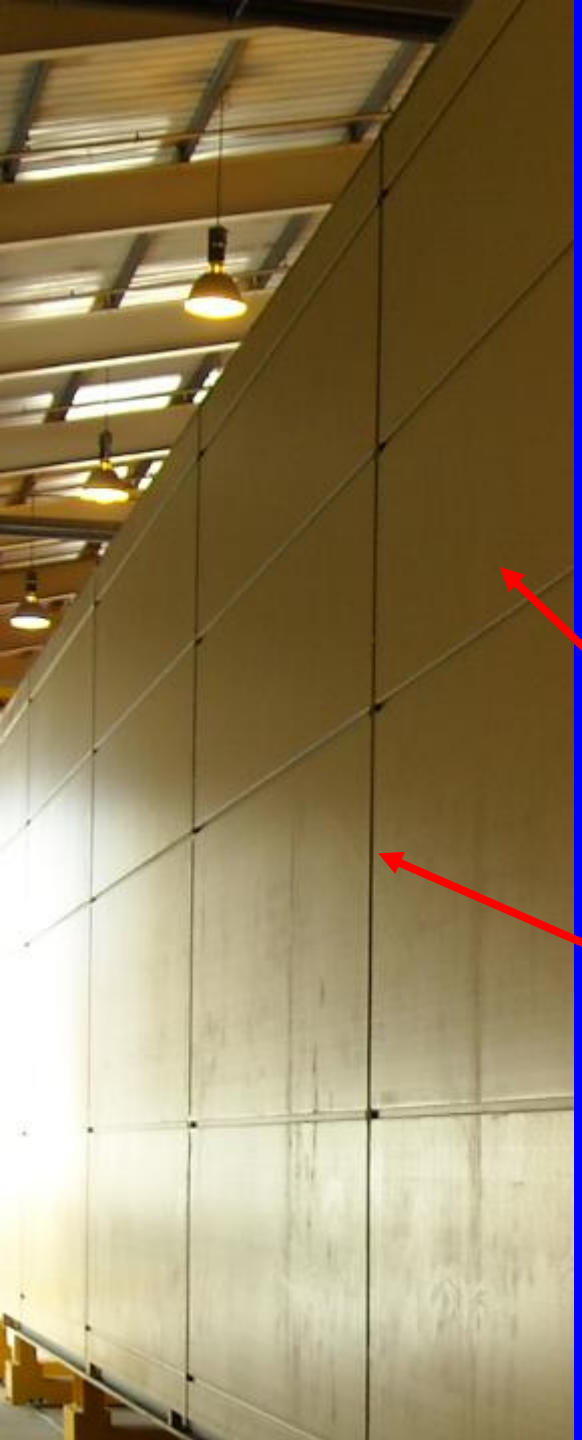


ROOF

tools

Change from wall to roof and sheets loading

Zero weight handling

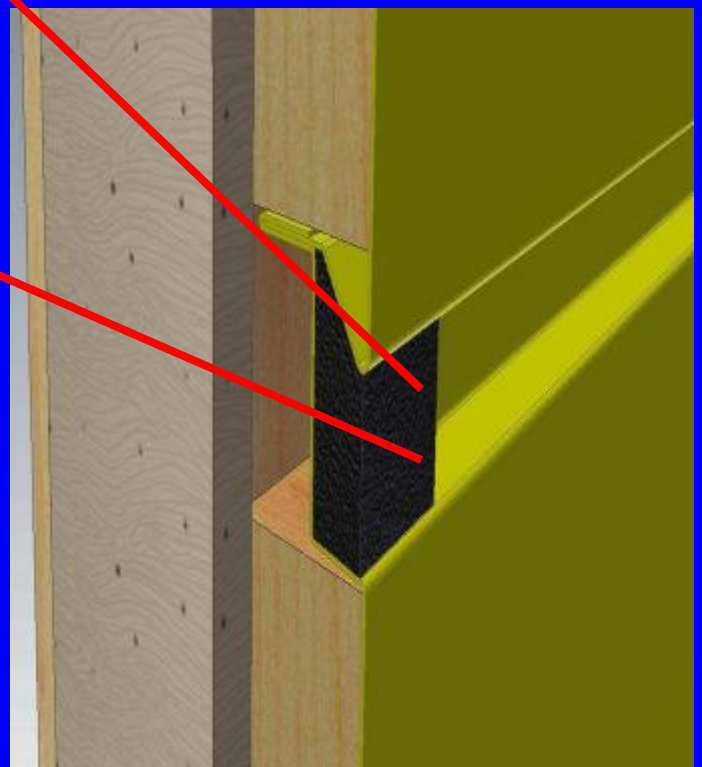


WALL

panels

1000

sizes



Roof platen

Roof or wall platen

Wall platen

Press with platform for wet end

No weight handling trolley

Upper sheet trolley

Line about 120m long


OMIS SPA


OMIS SPA
TON. 20 9

Wet end

3 dispensers

total output

over 1000 Kg/min

Data logging

&

Production down loading

cannon

Together we can do it!