

Xella Hungary – Multipor production

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The Xella logo is located in the bottom right corner of the slide. It features the word "Xella" in a bold, blue, sans-serif font. The letter "X" is stylized with a diagonal slash through it.

1.

Xella Hungary – at glance – MVM Mátra dependencies

2.

Vision of Multipor production

3.

Bridge of Multipor project and North Hungary low carbon transition

1. Xella Hungary – at glance – Ytong plant MVM Mátra dependencies



- Founded in 1992 - 115 HC
- 27% market share on the Hungarian wall building material market
- Main target group: residential (multi- and singlefamily) and non residential (public, state and office) building construction supply with wall building materials and services
- AAC production – Ytong – technology since 1929 from Sweden
- World biggest capacity Ytong plant 2007: 563 Tm3 AAC blocks produced
- Other 2 product brands:
 - Silka – calcium-silicate blocks – own production
 - Multipor – thermal insulation board - imported from Turkey and Germany
- Supplies pa. from MVM Mátra brown coal powerplant:
 - Electricity 4 103 901 kWh
 - Steam 21 439 211 kWh
 - Rea-gypsum 9154 to
 - Road and train infrastructure and health emergency services
 - Maintenance services



AAC and CSU product range Climate & Energy:

Xella products' lifecycle CO₂ and energy profile is favorable to alternatives

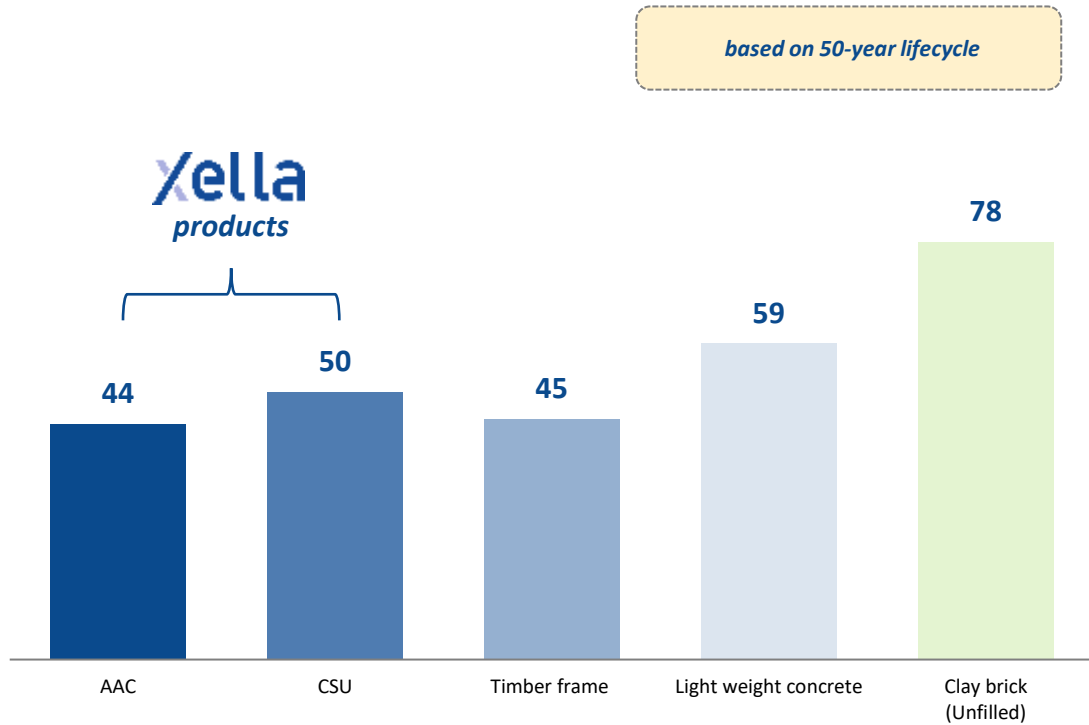


AAC and CSU Best Placed over the Lifecycle

Comparison GWP¹ between constructions in kg CO₂ per m² including recarbonation, based on U-23²

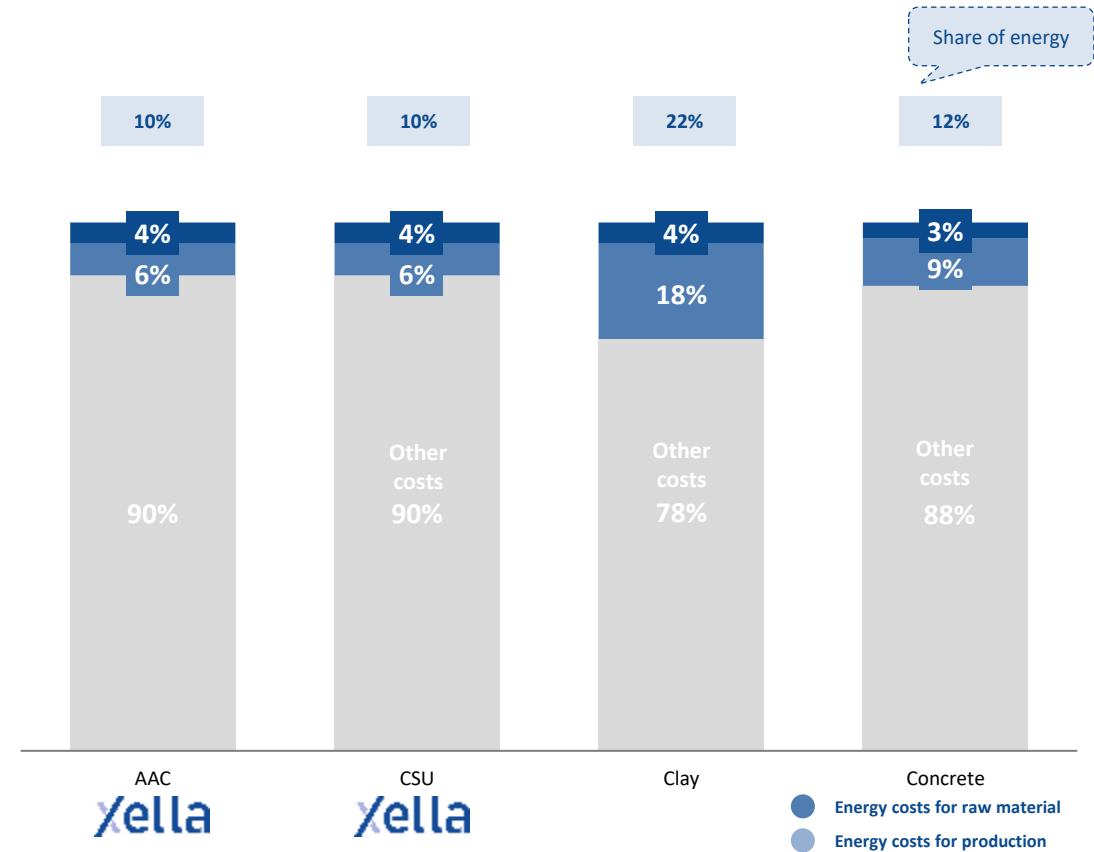
As per December 2021 including recarbonation

based on 50-year lifecycle



AAC & CSU with Lowest Energy Cost Share

Energy cost share as a percentage of total sales, based on 2021 full year energy prices



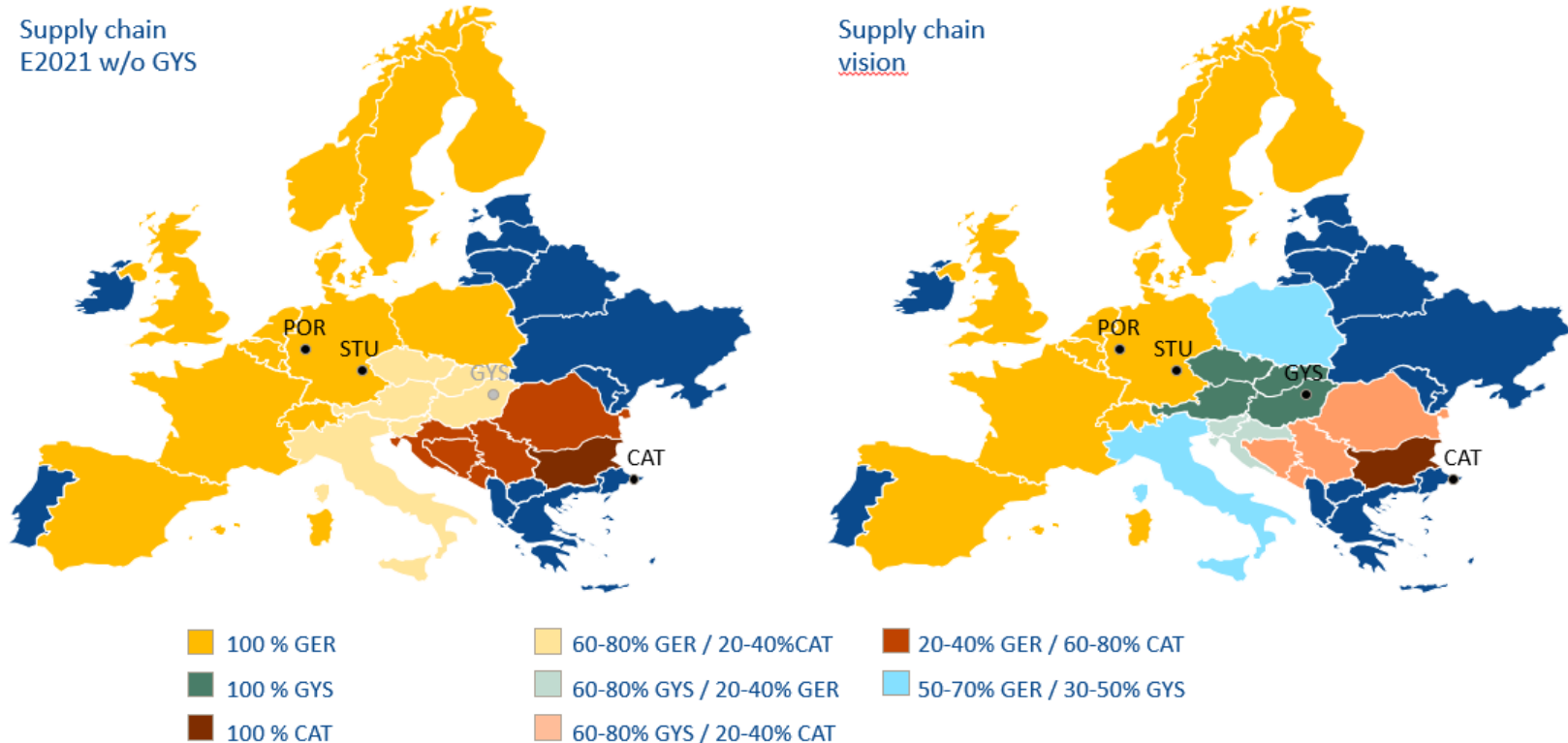
Xella is leading the way to energy efficiency and sustainability

Source: Company information, ÖKOBAUDAT platform (database for ecological evaluations of buildings by the Federal Ministry of the Interior, Building and Community)

¹ GWP is abbreviation for global warming potential, which is defined as per EN 15804; ² U-value denotes thermal transmittance or U-23 (where 23 indicates the present) is the rate of transfer of heat through a structure (which can be a single material or a composite), divided by the difference in temperature across that structure. The units of measurement are W/m²K. The better-insulated a structure is, the lower the U-value will be

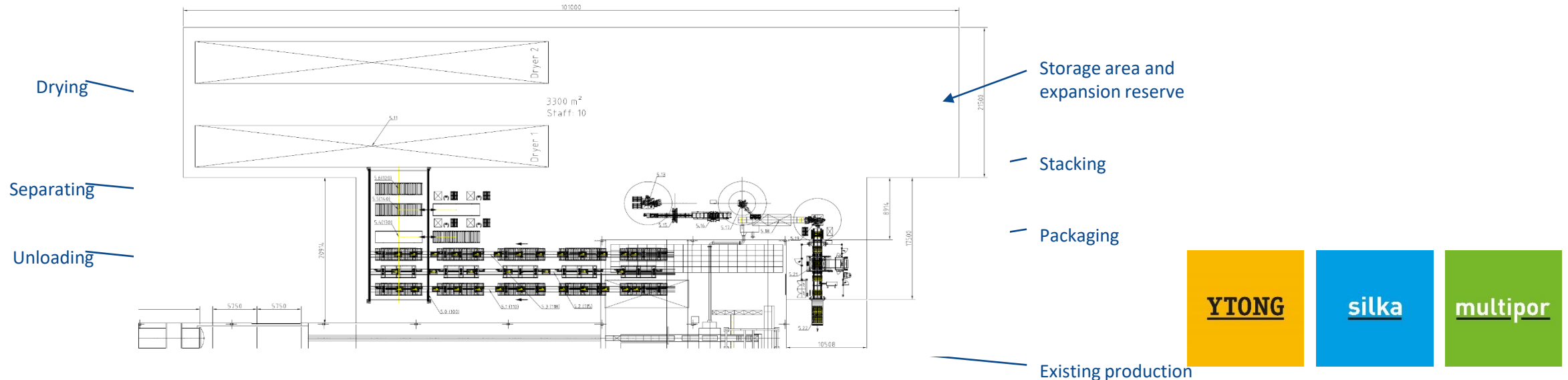
2. Vision of Multipor production - 1

- Central Europe – high market demand of wall thermal insulation products started with 2010/31 EU regulation – ETICS and ITICS* product range
- Competitors: EPS / mineral, glass wool
- Multipor mineral thermal insulation boards - only option for buildings with protected facade - internal insulation
- Supplied with long delivery distances -> massive environmental footprint and minor margins



2. Vision of Multipor production - 2

- 100 Tm³ pa. production facility has been designed
- Raw materials for the new product are available
- Key success factor is the stable supply of electricity and steam
- New production hall construction necessary for drying process
- 10-20 new employees
- Today estimated capex 7 M € -> 7-9 months from kick off to production start



3. Bridge of Multipor and North Hungary low carbon transition

Xella



- Unique certification of all XHU products due to production process (compared e.g. clay bricks) as „environmental friendly product” – „környezetbarát termék”
- AAC itself (Multipor is an enhanced AAC) has CO2 absorption characteristics during useful life!! See expert article: <https://www.aac-worldwide.com/category/science-innovation/co2-absorption-during-the-use-phase-of-autoclaved-aerat-concrete-by-recarbonation-2031>
- Multipor production will only use energy supplied from MVM Mátra: steam and electricity. No additional CO2 output by Xella
- Every customer who will buy a pallet of Multipor will save heating energy – indirectly reduce CO2 emission of Hungary overall with the investment
- The investment will utilize (as Xella HU today) local small-mid size companies from Heves and Borsod county
- New blue collar employee hiring and training is necessary from the region
- Operation and maintenance of production equipments will give further work opportunities for local small-mid size companies
- Reduction of truck traffic – no import of Multipor necessary anymore
- After Ytong, Silka Multipor would be the third product range – diversification done

■ Saving CO2 emissions in:

- Production
- Transportation
- Usage

■ Staying local in:

- Investment
- Maintenance
- Hiring/training

YTONG

silka

multipor

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