

# Enperas & Vandersanden's Journey at SMAFACC'25



presented the case on Vandersanden - Managing the science of sustainability through the LCA Quadrant Tool from Enperas



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Vandersanden, Europe's second-largest brick manufacturer founded in Belgium in 1925, emphasizes sustainable production, water management, climate-adaptive solutions, and a commitment to CO<sub>2</sub>-neutral operations. Wim's leadership is central to this transformation. By using Enperas' LCA Quadrant Tool and calculating emissions, he ensures transparency and supports ecodesign, embedding climate responsibility in Vandersanden's vision.



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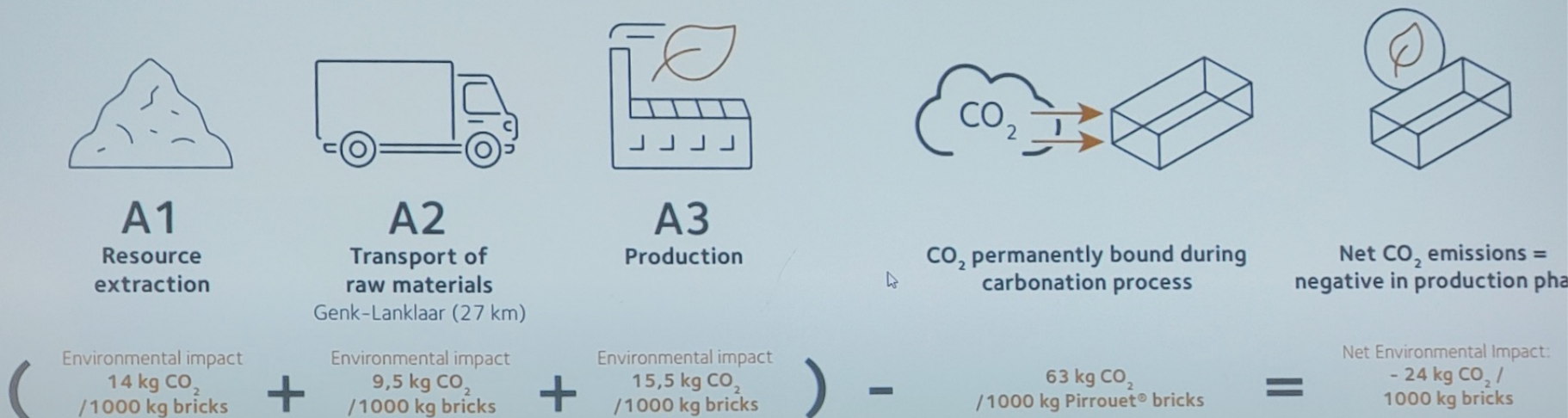


**Pirrouet®**

CO<sub>2</sub>-NEGATIVE FACING BRICKS

THE SUSTAINABILITY OF THE PRODUCTION PHASE OF PIRROUET®

## ENVIRONMENTAL PROFILE PIRROUET® FACING BRICKS: CRADLE TO GATE



Wim presented how he brings innovation and works on creating CO<sub>2</sub>-negative Pirrouet® brick solutions.

He shared how Enperas' LCA Quadrant Tool played a key role in supporting Pirrouet's environmental profile from Cradle to Gate, while also enabling the integration of ecodesign, validation, and compliance.

**Wim Thewissen - Group Manager Sustainability at Vandersanden**

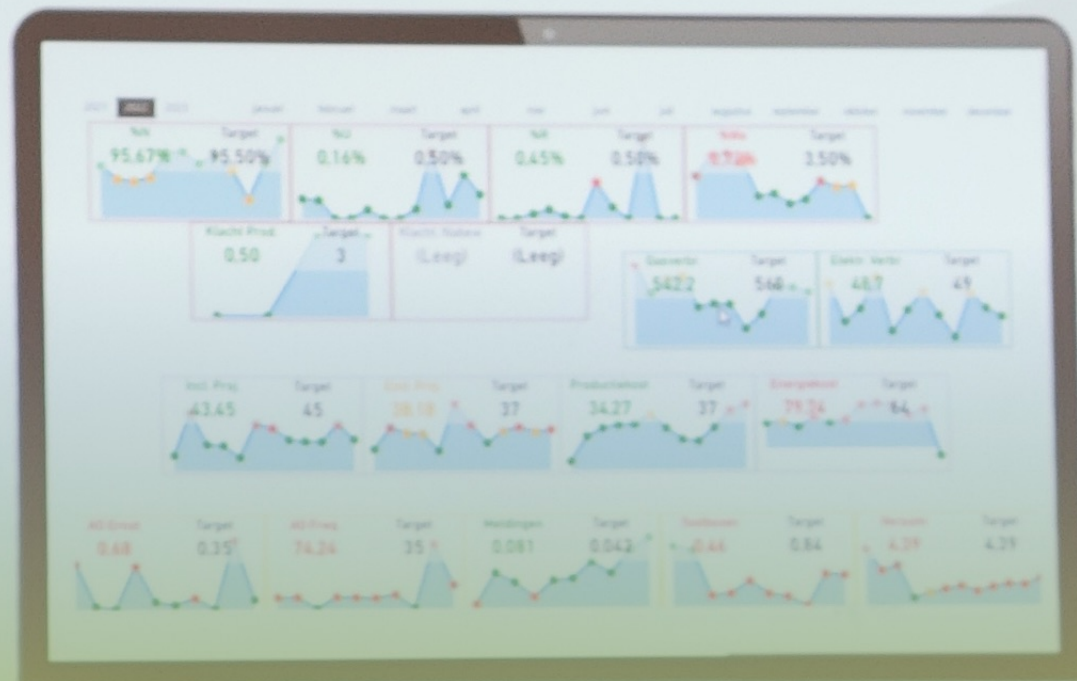




## Environmental objective achieved

15% reduction in environmental impact (ECI\*) by the end of 2023 (ref. 2020)

(\*) Environmental Cost Indicator per m<sup>2</sup> facade/paving



Wim explained how Enperas' LCA Quadrant Tool facilitated accurate, regulation-aligned calculations and identified the highest environmental impact categories. It helped achieve a 15% reduction in environmental impact (ECI\*) and supported the completion of the first Pre-EPD, along with various customisation options.

**Wim Thewissen - Group Manager Sustainability at Vandersanden**



**enperas**  
SPECIFY YOUR FOOTPRINT

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Approximately 80 professionals attended the case on LCA in manufacturing. Luc presented Enperas' mission and the LCA Quadrant Tool, demonstrating how our SaaS Tool produces reliable LCA results and fits into the Industry 4.0 ecosystem. He highlighted how Enperas supports manufacturers in achieving sustainability insights that are five times faster, compliant, and data-driven. Thank you to Wim from Vandersanden for joining us to share their LCA and sustainability journey for the Pirrouet® brick.



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“At the conference, our team had a light on the conversation on digitalisation, sustainability, and the future of manufacturing. Our presence at the SMAFACC’25 demonstrated the concrete value of integrating fast, accurate LCA into innovative manufacturing projects strengthening our reputation as a key ally for companies developing next-generation sustainable materials and products”

**Maria Victória Luz - LCA Engineer at Enperas**