

THE ALUMINEXT™ PROJECT



The Alumina refineries' next-generation transition (AlumiNEXT™) Project

Meeting net-zero 2050 in alumina refining by retrofitting current assets and developing pathways for next-generation refineries.

TRANSITION

To de-risk retrofitting high-technology-readiness-level (TRL) emissions reduction technologies to existing alumina refineries.

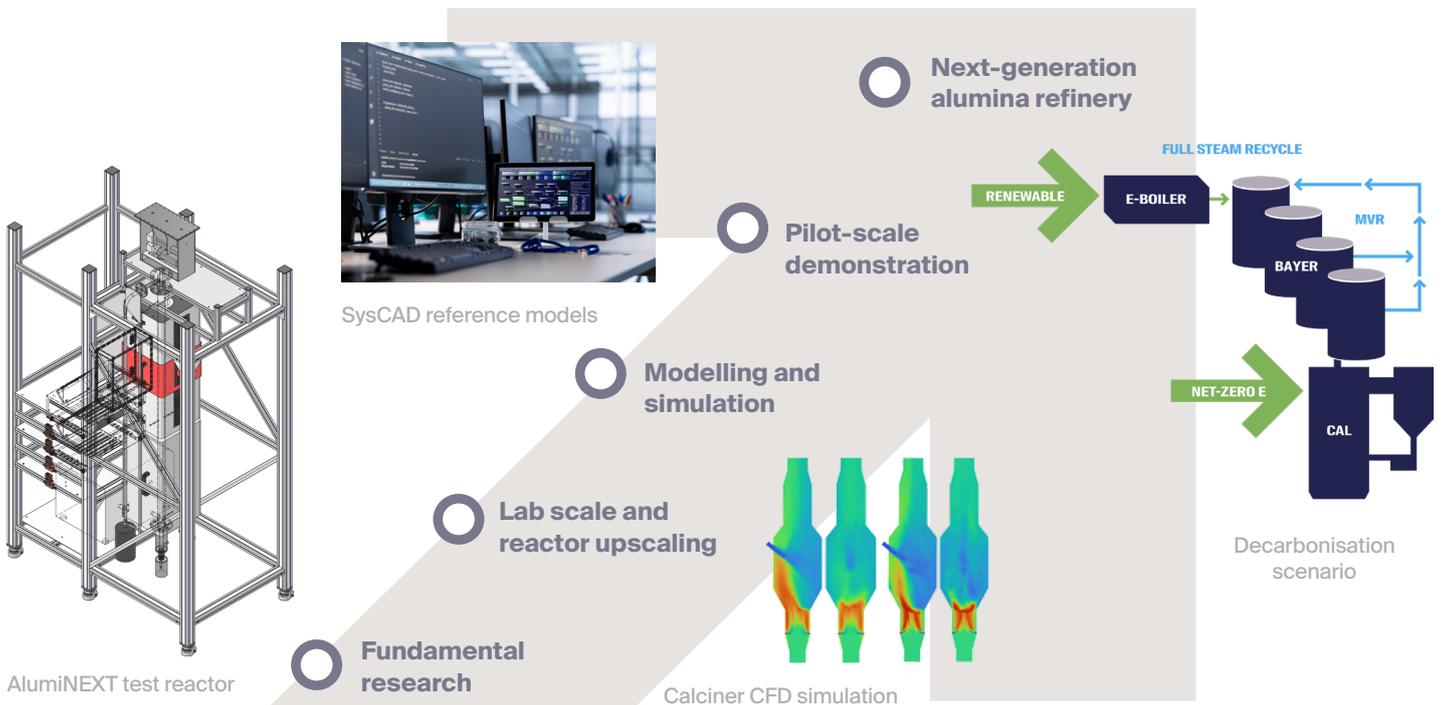
TRANSFORM

To advance development of novel technologies to unlock a step-change in efficiency and reduced cost.

Target outcomes

- Electrification, low-carbon fuels, energy efficiency for net-zero alumina
- Low-carbon steam recovery and generation
- Low-carbon calciner design and retrofit analysis
- Pathways to next-generation refineries

Project partners



About HILT CRC

The Heavy Industry Low-carbon Transition Cooperative Research Centre (HILT CRC) was created to accelerate and de-risk heavy industries' transition to a low-carbon future. Through industry-led research, we develop technologies and strategies for decarbonisation across the iron and steel, alumina, and cement sectors.

For more information

Project Leader: **Woei Saw**
HILT CRC: **Jordan Parham**



Scan to watch the video