

## PRESS RELEASE

### **ADES-FTD Kick-Off Successfully Launched: European Collaboration with VDL Gains Momentum**

**A major milestone has been reached in the development of next-generation, CO<sub>2</sub>-free energy solutions: the official kick-off of the ADES Fluid-Thermo-Dynamics (ADES-FTD) project in collaboration with VDL.**

**Graz/Eindhoven (Netherlands), 30. März 2026** – On March 23 and 24, an expert team from Emerald Horizon – consisting of mechanical engineers and nuclear physicists – met with a 15-member interdisciplinary team from VDL-ETG in Eindhoven. The VDL team included specialists in physics, mechanical and electrical engineering, thermal engineering, safety, process and system engineering, as well as sales.

Led by CTO Dr. Mario J. Müller (Emerald Horizon) and Dr. Peter Rindt (VDL), the teams officially initiated the development of a non-nuclear 1 MW ADES-FTD test facility. This marks the start of a crucial demonstration phase aimed at validating the technology under real-world conditions and advancing it toward market readiness.

The workshop established a strong technical foundation for the project and signaled the beginning of an intensified collaboration within the VDL ecosystem. On March 25, the program continued with a visit to VDL-KTI in Mol, Belgium, focusing on the further development of CALstore – an important step toward industrial implementation.

“With this kick-off, we have started the process we have been working toward since November 2024. Partnering with VDL as a strong partner is a significant step forward for us. It was particularly rewarding to successfully engage in in-depth technical discussions with the 15 experts,” said CTO Dr. Mario J. Müller of Emerald Horizon.

The officially launched collaboration highlights the strength of European partnerships in driving scalable, climate-friendly energy solutions forward.

### About Emerald Horizon AG

Emerald Horizon AG develops innovative technologies for a new generation of safe and clean energy supply. At the core is the ADES system, developed in Graz, which is designed with the highest safety standards, technological scalability, and industrial implementability in mind.

### Picture



Picture: Emerald Horizon RTD-Team with VDL Team in Eindhoven © Emerald Horizon

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