



ETN Global AGM & Workshop 2025

25-27 March 2025, Bergen, Norway

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Discussion: new task force – profitability of thermal assets


ETN Global

Project dissemination and lessons learnt

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- ETN – the **communication and dissemination partner** for EU-funded projects
 - Activities/needs
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- **EU HORIZON 2020 project** 
- **Project duration:** 10/2020-09/2024 (4 years)
- **Total budget:** EUR 8.37M
- **Main objective** is to develop an integrated, smart, and cost-efficient energy system to help decarbonise islands. It will couple thermal, electrical, and gas networks, which will optimise the utilisation of local renewable energy sources. This integrated system will ensure a reliable, cost-efficient, and resilient energy supply contributing to decrease CO₂ emissions.

- **Consortium:**



- **ETN scope:** Coordination, dissemination and communication activities







ROBINSON

Smart integration Of local energy sources and innovative
storage for flexible, secure and cost-efficient eNergy Supply
ON industrialized islands



This Project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement N. 957752



- **EU HORIZON EUROPE project** 
co-funded by Clean Hydrogen Partnership, EU and Switzerland
- **Project duration:** 01/2023-12/2026 (4 years)
- **Total budget:** EUR 8.7M
- **Main objective** is to develop a fuel-flexible combustion system capable of operation with any hydrogen concentration in natural gas, up to 100% H₂, while still meeting the emissions targets. The combustor design is based on the proprietary combustion technology, Constant Pressure Sequential Combustion (CPSC), developed for Ansaldo's GT36 H-Class turbine.
- **Consortium:**    
   
- **ETN scope:** Dissemination and communication activities



Project funded by




Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs
Division for Research and Innovation
State Secretariat for Education,
Research and Innovation SERI



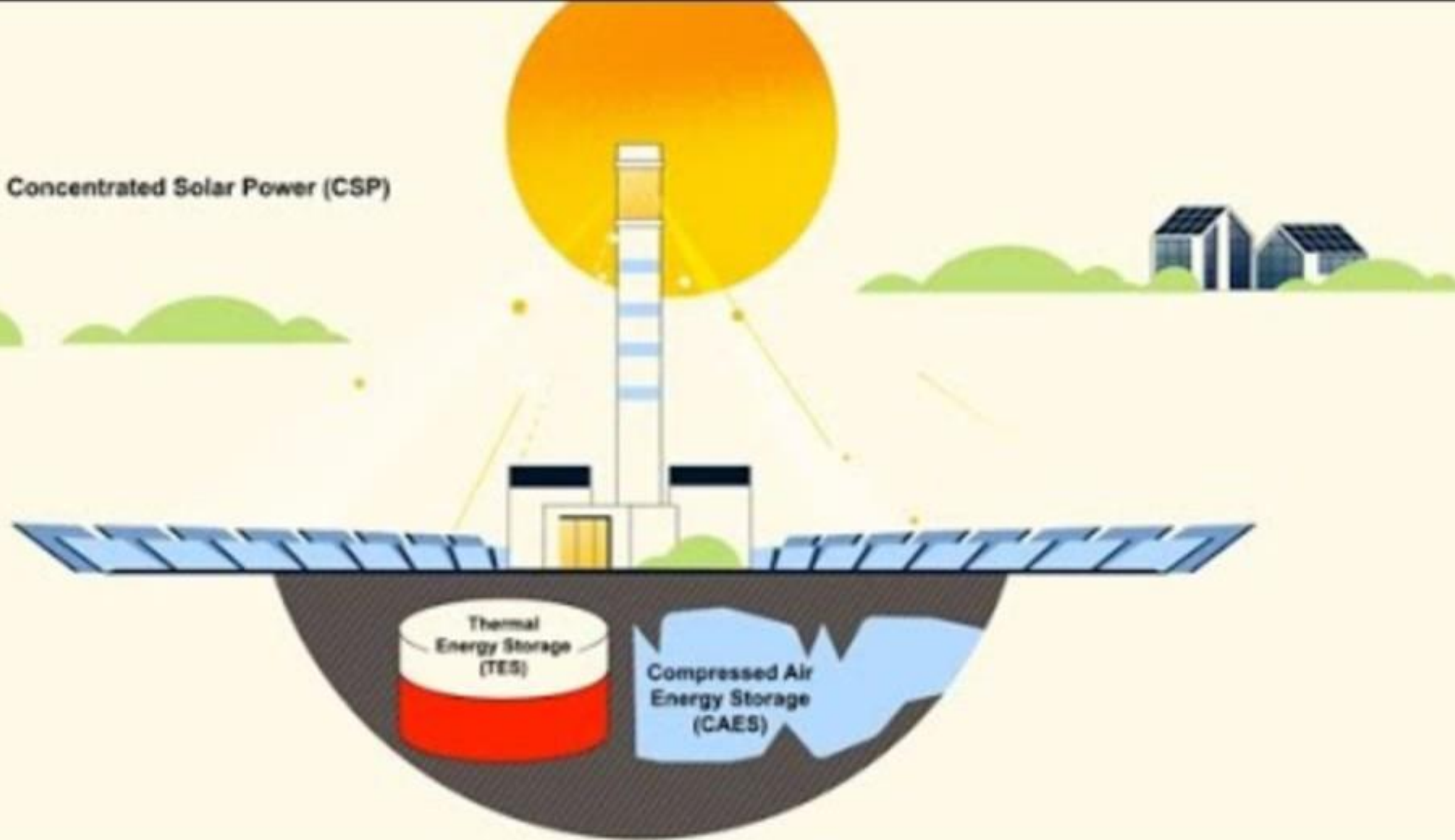
- **EU HORIZON EUROPE project**  co-funded by Switzerland and the UK
- **Project duration:** 10/2023-09/2027 (4 years)
- **Total budget:** EUR 7.2M
- **Main objective** is to develop a novel high-efficiency solar thermal power plant concept with an integrated electricity storage solution. The project combines air-based central receiver Concentrated Solar Power (CSP) and Compressed Air Energy Storage (CAES) to maximize conversion efficiency and power grid energy management.

- **Consortium:**



- **ETN scope:** Dissemination and communication activities

Concentrated Solar Power (CSP)





HyPowerGT

- **EU HORIZON EUROPE project** 
co-funded by Clean Hydrogen Partnership, EU and Switzerland
- **Project duration:** 01/2024-12/2027 (4 years)
- **Total budget:** EUR 13.5M
- **Main objective** is to enable gas turbines to operate on hydrogen guaranteeing compliance with NO_x regulations without catalysts or diluents. The core technology is a novel dry-low emission combustion technology (DLE H₂) capable of handling mixtures of natural gas and hydrogen with concentrations up to 100%.
- **Consortium:**

 **SINTEF**



 **LUCART**

 **CERFACS**

 **zhaw** School of Engineering








- **ETN scope:** Dissemination and communication activities



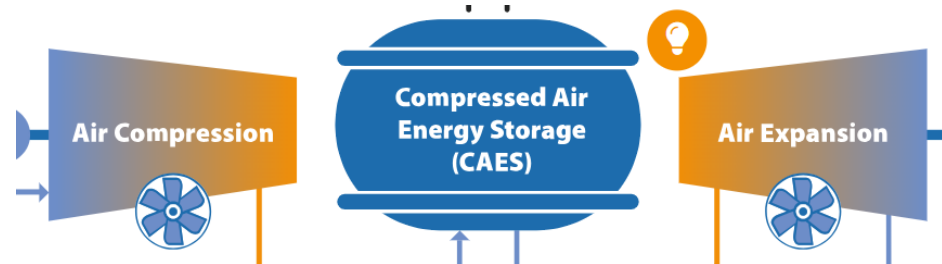
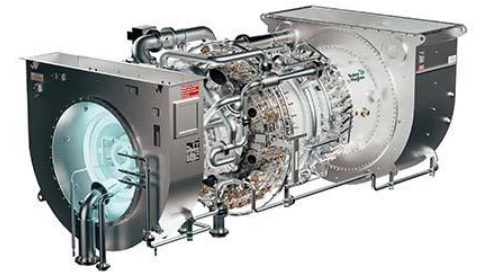
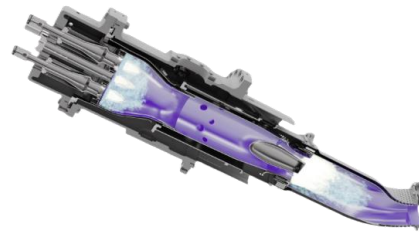
InsigH₂t



- **EU HORIZON EUROPE project** 
co-funded by Clean Hydrogen Partnership, EU and Switzerland
- **Project duration:** 01/2025-12/2028 (4 years)
- **Total budget:** EUR 6.2M
- **Main objective** InsigH₂t aims to advance the current scientific understanding regarding the effect of pressure on the turbulent burning rate, thermoacoustic response, and emissions performance of premixed hydrogen flames under relevant gas-turbines operating conditions.
- **Consortium:**  **NTNU**  **SINTEF** 
 **CERFACS**  **ansaldo energia** 
 **UNIVERSITÀ DEGLI STUDI FIRENZE**
Da un secolo, oltre  **Baker Hughes**  **zhaw School of Engineering**
 **RWTH AACHEN UNIVERSITY**  **TECHNISCHE UNIVERSITÄT BERLIN**  **ARTIC** BY PRO GROUP
- **ETN scope:** Dissemination and communication activities

ETN Global – communication and dissemination partner [1/2]

- Visual identity & printed materials (leaflet, poster, roll-up)
- Website
- Video (official, small amateur videos → in the YouTube channel)
- Social media
- Events (expo, presentations)
 - AGM & workshop
 - IGTC
 - October workshop
 - ASME Turbo Expo
 - Others



ETN Global – communication and dissemination partner [2/2]

- **SET Plan:** IWG6 – Sustainable and Efficient Energy Use in Industry
- Public consultations
 - **NZIA** (Net-Zero Industry Act – inclusion of missing technologies)
 - **IED** (Industrial Emissions Directive – provision of relevant documents on NOx emissions)
 - **Clean Hydrogen Partnership** (Make hydrogen priority in the next EU budget – EU funding for competitiveness)
- **Working groups / webinars**