

# COMET PROJECT

## HYTECHONOMY – HYDROGEN TECHNOLOGIES FOR SUSTAINABLE ECONOMIES

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**Hauptstandort:** Graz (Styria)

**Weitere Standorte:** Pettenbach & Steyr-Gleink (Upper Austria),  
Melach (Styria), Dornbirn (Vorarlberg), Vienna

**Thematische Zuordnung:** Energy & environment, Mobility



### Thematic focuses

- Electrolysis
- Fuel Cell
- Electrochemical Compression
- Hydrogen
- Energy Storage
- Power-to-Gas
- Degradation
- Life time
- Efficiency
- Industrialisation

### Planned realisation and outcomes

The project HyTechonomy accelerates the decarbonisation of the industry, energy and mobility sector by further developing and optimising hydrogen technologies. Based on the linkage of simulation and experiments, electrolysis, fuel cells and hydrogen storage systems will be improved in terms of cost reduction, extension of service life and efficiency increase while enhancing functionalities.

## COMET FACTSHEET

### Selected company partners (max. 10):

1. AVL List GmbH
2. VERBUND Thermal Power GmbH & Co KG
3. Fronius International GmbH
4. HENN GmbH & Co KG
5. Österreichische Postbus AG

### Selected scientific partners (max. 5):

1. HyCentA Research GmbH
2. Graz University of Technology, IVT - Institute of Internal Combustion Engines and Thermodynamics
3. Graz University of Technology, IWT - Institute of Thermal Engineering
4. Graz University of Technology, CEET - Institute of Chemical Engineering and Environmental Technology
5. BEST - Bioenergy and Sustainable Technologies GmbH
6. AIT - Austrian Institute of Technology GmbH
7. LEC GmbH – Large Engines Competence Center
8. Profactor GmbH

### Selected international<sup>1</sup> partners (max. 5):

none

**Duration:** 01.04.2021 – 31.03.2025 (4 years)

**Staff employment:** 13 FTE, thereof 10 scientists

**Management:** Alexander Trattner, CEO and CSO

**Contact:** HyCentA Research GmbH  
Inffeldgasse 15, 8010 Graz  
+43 316 873 9500  
[office@hycenta.at](mailto:office@hycenta.at)  
[www.hycenta.at](http://www.hycenta.at)

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<sup>1</sup> Partners with headquarters outside Austria