

## COMET Project

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### HyTechonomy

#### Hydrogen Technologies for Sustainable Economies

>> **Main location:** Graz, Steiermark

>> **Other locations:** Pettenbach & Steyr-Gleink, Oberösterreich; Mellach, Steiermark; Dornbirn, Vorarlberg; Wien;

>> **Thematic focus**

Electrolysis, fuel cell, electrochemical compression, hydrogen, energy storage, Power-to-Gas, degradation, lifetime, 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.

>> **Selected partners**

##### Company partners

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

##### Scientific partners

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

>> **Duration of the COMET Project:** 01.2021 – 12.2024 (4 years)

>> **Number of personnel:** 13 FTE, thereof 10 scientists

>> **Leader of consortium**

Alexander Trattner, CEO and CSO

>> **HyCentA Research GmbH**

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Status 30.11.2020