



Hydrogen Europe: European Hydrogen & Fuel cell Project Database

Project ComSos

Commercial-scale SOFC systems

The ComSos project aims at strengthening the European SOFC industry's world-leading position for SOFC products in the range of 10-60 kW totally 450 kW_e. Through this project, manufacturers prepare for developing capacity for serial manufacturing, sales and marketing of mid FC CHP products. All manufacturers will validate new product segments in collaboration with the respective customers and confirm product performance, the business case and size, and test in real life the distribution channel including maintenance and service. In function of the specific segments, the system will be suitable for volumes from few 10's to several 1,000 systems per year. The key objective of the ComSos project is to validate and demonstrate fuel cell based combined heat and power solutions in the mid-sized power ranges of 10-12 kW, 20-25 kW, and 50-60 kW (referred to as Mini FC-CHP). The outcome gives proof of the superior advantages of such systems, underlying business models, and key benefits for the customer. The technology and product concepts, in the aforementioned power range, has been developed in Europe under supporting European frameworks such as the FCH-JU. The core of the consortium consists of three SOFC system manufacturers aligned with individual strategies along the value chain: Convion (two units of 60kW_e each), SOLIDpower (15 units of 12kW_e each) and Sunfire (6-8 units of 25kW_e each). End-users and distributors have also expressed strong interest in the products, and will be actively involved in the ComSos project by participation in the Advisory Board.

Project Information

Type of project : Demonstration

Timing : 01/01/2018 > 30/06/2021

Project website: <http://www.comsos.eu/>

Project Budget : 10.277.897 €

Funding

European Union through FCH JU: [Grant agreement 779481 - CORDIS link](#)

Project partners

Coordinator :

[Teknologian tutkimuskeskus VTT Oy](#)

Partners :

[Convion Oy](#)

[Politecnico di Torino](#)

[Sunfire](#)

[Teknologian tutkimuskeskus VTT Oy](#)

ENERGY MATTERS BV

HTceramix SA

SOLIDPOWER SPA

Sub project(s)

Sub project 1

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Sub project categories

Demonstration

Project Id: 1224

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