

FCH JU Grant Agreement number: 325368

Project acronym: DeMStack

Project title: Understanding the Degradation Mechanisms of a High Temperature PEMFC Stack and Optimization of the Individual Components

Deliverable 1.1: Manual of management –Procedures preparation and implementation.

Name, title and organisation of the scientific representative of the project's coordinator:

Dr. Stylianos Neophytides



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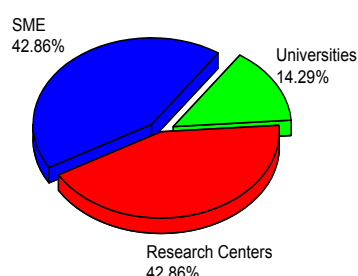
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Project website address: <http://demstack.iceht.forth.gr>

The consortium of DeMStack is:

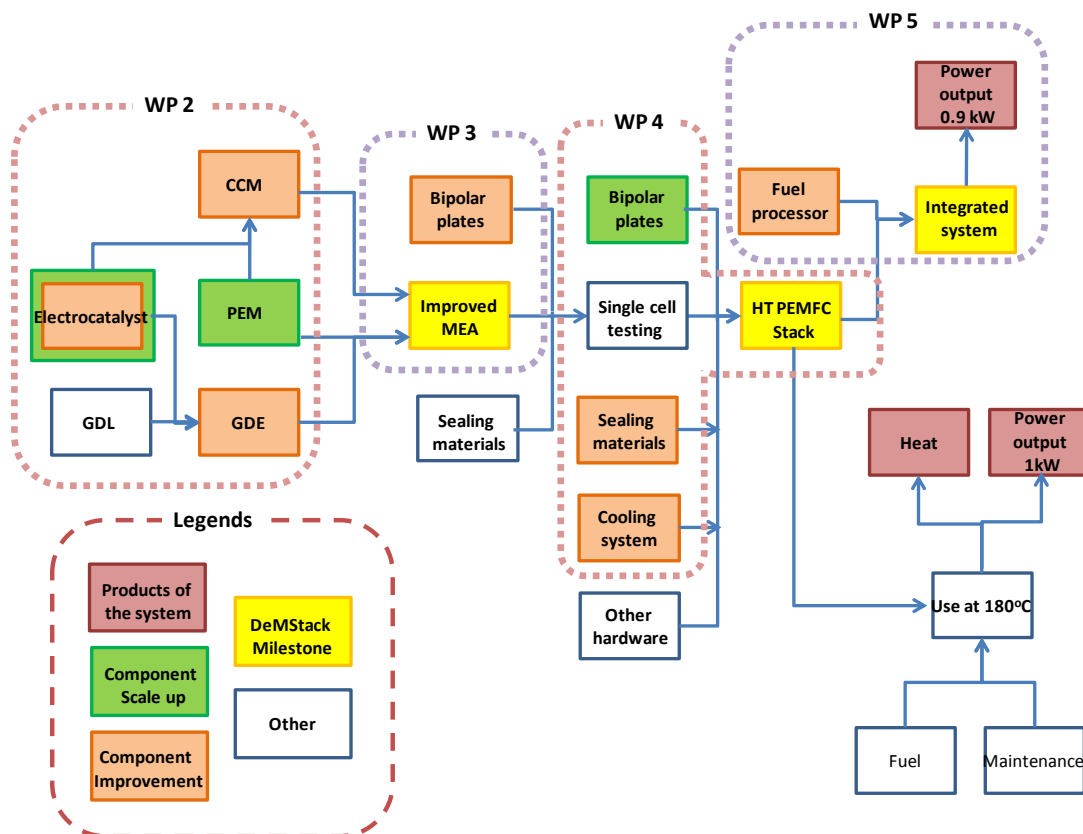
No	Organisation name	Country
1	Foundation of Research and Technology Hellas-Institute of Chemical Engineering Sciences (FORTH)	Greece
2	Fundacion CIDETEC (CIDETEC)	Spain
3	Institute of Chemical Technology Prague (ICTP)	Czech Republic
4	Advanced Energy Technologies S.A. (ADVENT)	Greece
5	European Commission, Directorate-General Joint Research Centre, Institute for Energy, Petten (JRC-IET)	Belgium
6	Helbio S.A. (HELBIO)	Greece
7	Prototech AS (PROTOTECH)	Norway



The main and final outcome of the project is:

- Enhance the lifetime and reduce the cost of the overall HT PEMFC technology by integrating promising, already developed materials for GDE, PEMs and MEAs in an existing stack design.
- Design, manufacturing and testing of a highly efficient, low-cost HT PEMFC 1 kW stack prototype constructed from the optimized components.
- Construction of a fuel processor operating on natural gas or LPG. Integration with the fuel cell stack.
- Demonstration of the robustness of the stack, the simplicity of BoP and the operational stability of the integrated system.

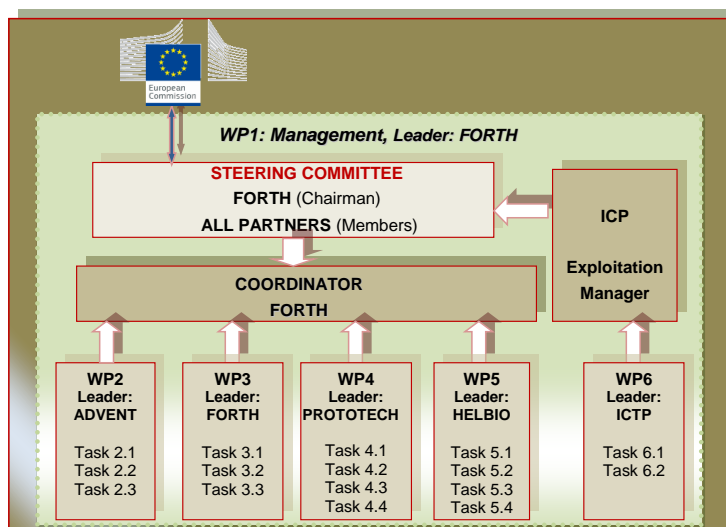
The full duration of the project is 3 years. The work is broken down to 6 Work Packages, out of which 4 are the ones including the technical work. One work package, WP1, includes the management activities of the project. An additional work package, WP6, is dedicated to the dissemination of results to the scientific community and industry. In the Figure below, the subjects of study within each technical work package is shown.



Leaders among partners are appointed to manage one or several work packages. Partners work together and follow the same goals and planning. Each leader is responsible for the detailed coordination, reporting of the WP and for the detailed communication with other WPs. More specifically, each work package leader is responsible for his or her work package progress and for the deliverables of this part of the project. Below the WP leaders (along with the responsible senior scientist) are depicted.

WP	Leader	WP	Leader
WP1	FORTH (Dr. S. Neophytides)	WP4	PROTOTECH (Dr. D. Bokach)
WP2	ADVENT (Dr. N. Gourdoupi)	WP5	HELBIO (Dr. Thomas Halkides)
WP3	FORTH (Dr. S. Neophytides)	WP6	ICTP (Prof. K. Bouzek)

The rest of the management structure (as also described in the proposal) can be seen below:



The chairman of the Steering Committee is the project coordinator, Dr. S. Neophytides. The composition of the SC and the rules of proceedings were established in the Consortium Agreement, which took into account the individual aspects of the consortium and specific aspects of the project and was signed before the project started. Finally, Intellectual Property Committee (IPC) led also by Dr Neophytides ensures that the capacity of Intellectual Property and potential for the project are properly assessed and managed.

Management activities bind all the work packages together. They ensure the project's advancement by offering three different work levels: coordination of the whole project, progress monitoring and finally, coordination at work package level. Forth is in charge of the scientific management of the project and all other issues related to the budget, resources and reporting. More specifically, the responsibilities could be described in short:

- Ensure that all budgetary actions are performed correctly and according to the rules and regulations established by the consortia agreement; ensure that the received funds are correctly distributed and accounted for.
- Ensure the good communication with the EC. The project coordinator acts as the unique interface between the Consortium and the European Commission.
- Ensure that the work and tasks are completed in time and within budget.
- Ensure that reporting is done on a periodic basis. The coordinator manages the preparation of the project reports with information provided by partners and takes care of their dissemination.
- Implement management issues arising during the project duration, like amendments to the Grand Agreement, clarification of the financial and technical reports to the EC, management of delay as regards activities, duration estimation and planning.
- Preparation of a project website including a section only accessible to the partners for information purposes and internal communication. Management of the access-restricted database.
- Management of the research content of the project; definition of research activities, control of evolutions and project follow-up (project progress control and planning).