

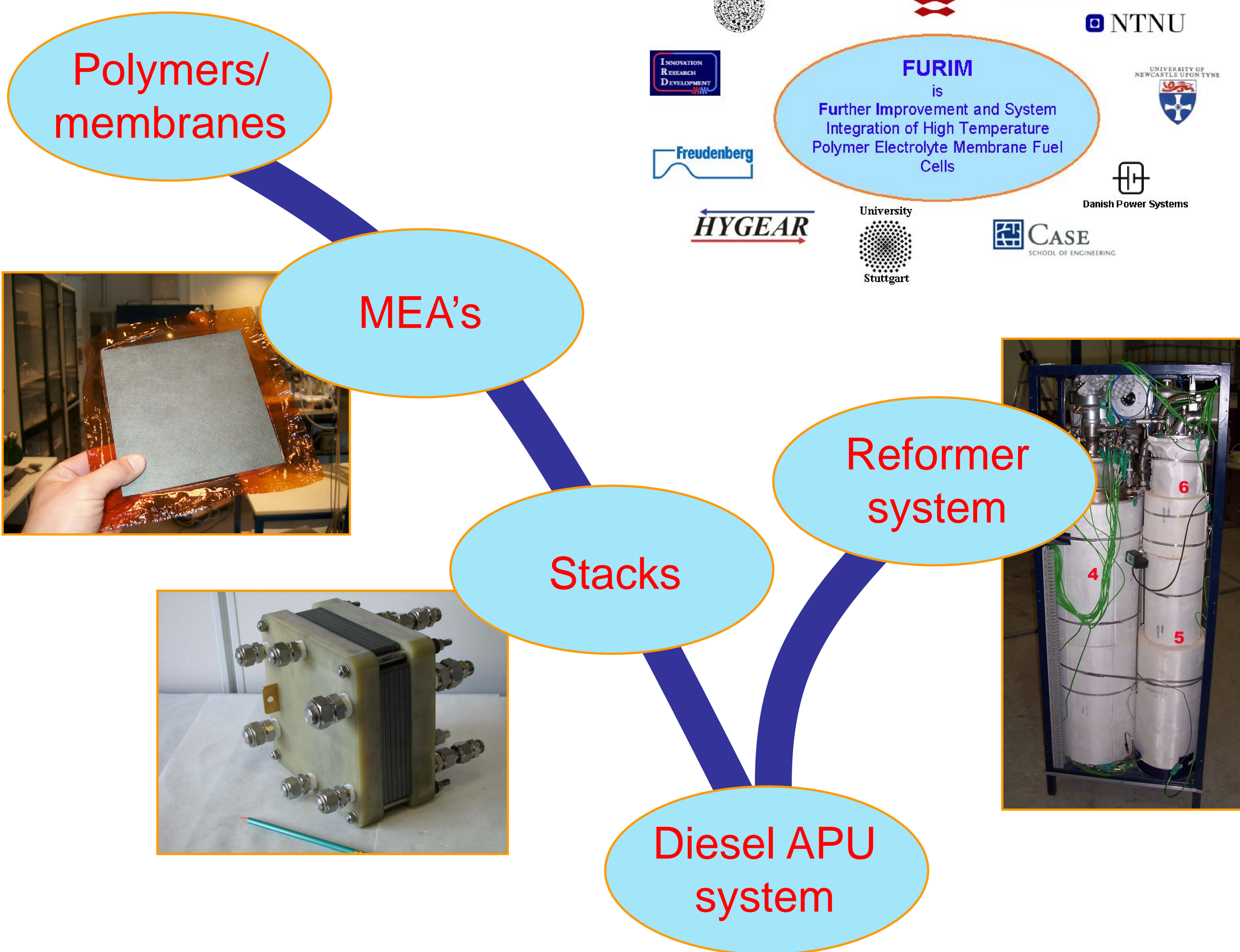


3rd General Assembly · Exhibition · Drive&Ride, 4-6 October 2006, Brussels

FURIM

Main goals:

- 1) New high temperature membranes for PEMFC (120 to 200°C).
- 2) Improved electrodes and Membrane Electrode Assemblies with long life. 0.7 A/cm² at 0.6 V.
- 3) A 2kW_{el} HT-PEMFC stack operating at 120-200°C (nominal 170°C).
- 4) A Diesel reformer system developed and integrated with the stack into an auxiliary power unit (APU) for larger Diesel vehicles. The fuel cell will run on reformat without CO clean-up due to the high CO tolerance at elevated temperatures compared with conventional PEMFC.



Coordinator

Prof. Niels J. Bjerrum
 Department of Chemistry,
 Kemitorvet, building 207
 Technical University of Denmark,
 DK-2800 Lyngby, Denmark
 Telephone: +45 45 25 23 07
 Fax: +45 45 88 31 36
 Email: njb@kemi.dtu.dk

List of participants

Technical University of Denmark (DK)
 Volvo Technology Corp. (SE)
 Norwegian University of Science and Technology (NO)
 University of Newcastle upon Tyne (UK)
 Elsam A/S (DK) (Finished task 2006)
 Danish Power Systems ApS (DK)
 Case West Reserve University (USA)
 University of Stuttgart (DE)
 HyGear B.V. (NL)
 Freudenberg FCCT (DE)
 IRD Fuel Cell A/S (DK)
 Foundation of Research and Technology (GR)
 Between Lizenz GmbH (DE)

Duration

April 1. 2004
 - March 31. 2008

Instrument

Integrated project

Total costs

€ 6.1 million

EC funding

€ 4.0 million

Project web-page

www.furim.com