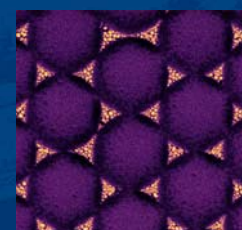
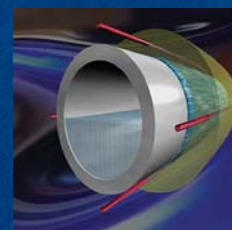
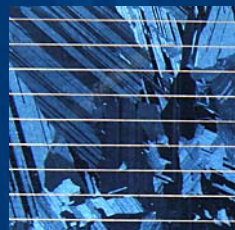
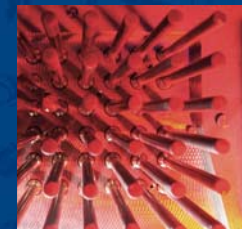


Initiative for submitting a proposal for
Topic SP1-JTI-FCH.2010.1.4: Bipolar Plates

SINTEF

- Scandinavia's Largest Independent Research Organisation
- More than 2100 staff members from 67 different countries
- SINTEF is a not-for-profit research foundation, investing revenue back in to competence building, new research and equipment.
- In 2009 SINTEF had a turn over of 360 M €



Competance & JUFCH Project

Electrochemical energy conversion in

- ✓ Fuel Cells
- ✓ Water Electrolysers
- ✓ Batteries
- ✓ Super Capacitors

Electrochemical Sensor Technology

Other Electrochemical Concepts

- ✓ Electrochemical gas separation (O_2 , H_2)
- ✓ Photo-electrochemistry

Policy making and societal aspects (hydrogen) Technology outreach and educational programs

KEPEMALIVE

NEXPEL

PREPAR-H2

Stayers

HyLIFT

RAMSES,

ECN coordinator, SINTEF PM: Thor Anders Aarhaug

SINTEF is coordinator, SINTEF PM: Magnus Thomassen

Icelandic New Energy Ltd ,SINTEF PM: S.Møller Holst

NedStack is coordinator, SINTEF PM: Anders Ødegård

H2-Logic, Denmark SINTEF PM: Steffen Møller-Holst

CEA is coordinator, SINTEF PM: Marie-Laure Fontaine



*Instrumentation for efficient
4-cell parallel testing*

Technology for a better society

 **SINTEF**

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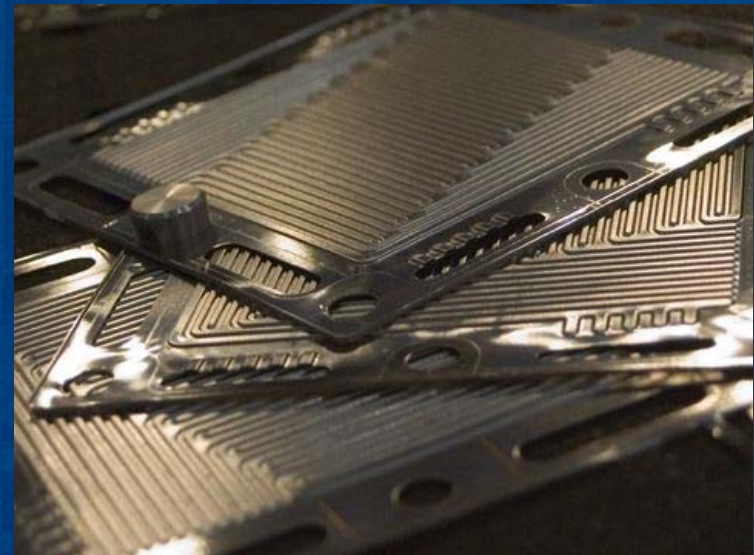
DURABLE

Development of Un-reactive Resistive Architectures
for Bi-polar plates in Low-cost Electrochemical cells

Main objective:

- *Development of stable coatings and effective manufacturing technologies for low cost metal based bi-polar plates for PEM technology*

Dr. Anders Ødegård



<http://www.h2fc-fair.com/hm07/exhibitors/dana.html>

Technology for a better society

Initiative for submitting a proposal for
Topic SP1-JTI-FCH.2010.1.4: Bipolar Plates

- Will be linked to other relevant FCH JU projects SINTEF are involved in:
 - NEXPEL (PEM electrolyser)
 - STAYERS (PEM fuel cell stationary)
 - KEEPEMALIVE (PEM degradation)

- Planned consortium:
 - 2 Research institute partners (SINTEF + 1)
 - 1 University partner (materials, corrosion)
 - 2 Industry partners (coating, coating technologies, material supplier)
 - 2 Industry end users (1 FC and 1 ELY)

- Total budget about EUR 5 million

- For further information and interest,
contact Anders Ødegård at ando@sintef.no

