

# Brief Introduction to HyNet

## European Thematic Network on Hydrogen Energy

Jointly implemented by the EC and industry/institutes/organisations

Ottobrunn, 25 November 2002

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### History (1999 - 2000)

- Established in mid-99, bringing together leading companies from broad spectrum of industries and technologies
- Core Group: Norsk Hydro, Shell Hydrogen, bp, Air Products, ICI, Dera, BMW, TotalFinaElf, EniAgip, Hydrogen Systems, EtaIng, CEFIC
- Network participants: Additional 30-35 companies, majority large industrial
- Activities:
  - Hydrogen value chain analysis
  - Seminars and working groups
  - Position Paper
  - Initiated project proposals for submission to the EU 5th FP

### Objectives

- Initiate consensus on vision and strategy to build European hydrogen infrastructure
- Bundle hydrogen RTD and demonstration funds fostering larger impact
- Offer neutral industry position to EC as platform for consensus process

# HyNet - A Brief Introduction

## Current Partners\*



BMW AG



bp Ltd.



Spanish Council for Scientific Research (CSIC)



Linde AG



Messer Griesheim GmbH



Norsk Hydro ASA



Raufoss ASA

Raufoss ASA

Shell Hydrogen B.V.



TÜV Nord e.V.

TÜV Süddeutschland e.V.



Vandenborre Technologies



**Coordinator:** L-B-Systemtechnik GmbH



# Activities and management

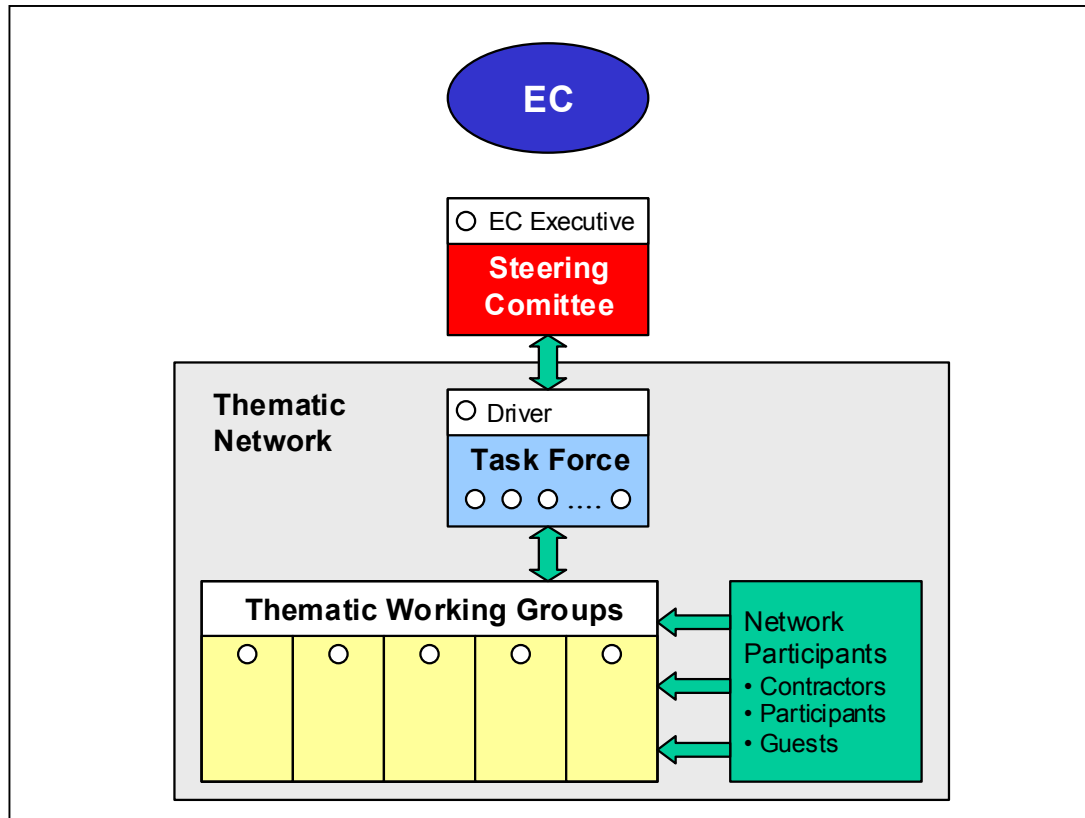
### Activities

- Assess H<sub>2</sub> RTD organisations, initiatives and projects in Europe
- Map state-of-the-art and gaps of H<sub>2</sub> in Europe
- Define priority areas and topics for investigation within HyWays
- Participate directly in definition of a European H<sub>2</sub> energy roadmap
- Assist EC in developing H<sub>2</sub> energy RTD strategy

### Management

- Efficiency & credibility (commitment)
- Flexibility & openness (network/process, no rigid structure, results sharing)
- One single interaction point: the HyNet Coordinator

## Organisation



### Assets

Represent „**Hydrogen Stakeholders**“ (production to end-use)

- **Neutral platform** for industries, politics and universities
- **High continuity activity** starting as European Thematic Network with transition as hydrogen interest group thereafter
- **Already active** as European Thematic Network (secretariat financed)
- **Mandated by EC** to assist in definition of EU's H2 R&D strategy and to provide input for the High Level Group on Hydrogen and Fuel Cells (HLG)
- **Unlocking infrastructure synergy potentials:** Initial focus on H<sub>2</sub> as vehicle fuel but also on stationary use
- **Highly dynamic:** Flexible definition of activities and (funded) projects
- **Instruments in place:** Thematic Working Groups, Website [www.HyNet.info](http://www.HyNet.info), who-is-who database



### Thematic Working Groups (TWG)

TWG 1 - Hydrogen Production and Infrastructure

TWG 2 - Hydrogen Applications

TWG 3 - Hydrogen Safety

TWG 4 - Political and Socio-economic Issues

TWG 5 - Dissemination and Communication

### Recent achievements

- Establishment of Thematic Working Groups
- Address new potential partners to consolidate process
- Formulate pathways/infrastructure EoI “HyWays”
- Facilitate FP6 hydrogen EoI process with EC (e.g. EoI Coordinator Workshop 23 October 2002)
- Establish and refine HyNet website [www.HyNet.info](http://www.HyNet.info)
- Database establishment “Who-is-Who” in European Hydrogen (Input required from European hydrogen community)
- Interactions with external organisations  
HLG, AFCG, TES/EUCAR, EIHP, EHA, AFH2, FCCJ