

Welcome to the Kick-Off meeting

The logo for E-LASS features the text "E-LASS" in a bold, blue, sans-serif font. A small orange triangle is positioned above the letter "A".

E-LASS

MESA



Part-financed by the European Union  
European Regional Development Fund and  
European Neighbourhood and Partnership Instrument



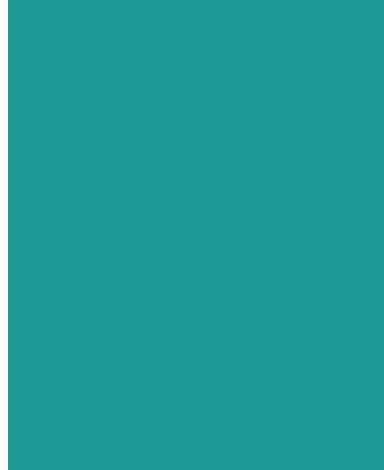
SP Technical Research Institute of Sweden

# The power of an idea

■ E-Lass 2013-10-08

- 174 registered members
- 131 organisations
- 21 nations
- [www.e-lass.eu](http://www.e-lass.eu)

"There is one thing stronger than all the armies in the world, and that is an idea whose time has come." - **Victor Hugo**



# SP TECHNICAL RESEARCH INSTITUTE OF SWEDEN

2013



**RI  
SE**  
INSTITUTES

## ABOUT SP

The SP Group

is wholly owned  
by RISE

Subsidiaries

9

Employees

1 300

Revenues

SEK 1 300 Million

Customers

> 10 000



SP Technical Research Institute of Sweden



# TECHNICAL AREAS





## BUSINESS AREAS

- Energy
- Life Science
- The Built Environment
- Transport
- Information and Communications Technology, ICT
- Risk, Safety and Security

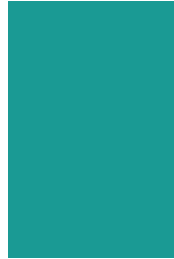


SP Technical Research Institute of Sweden



## COMPETENCE CENTRES AT SP

- SP Battery and Electric Hybrid Systems
- SP Biofuels
- **SP Fuel Storage Safety**
- SP Green Lean
- SP Heat Pumping Technology
- SP MedTek
- **SP New Designs at Sea; shipping & Offshore**
- SP Systems Analysis
- **SP Tunnel and Underground Safety Centre**
- SP Wise Measurements for Smart Grids
- SP Woodmetrics
- SP Zero Emission Buildings



SP Technical Research Institute of Sweden



**WE CREATE VALUE IN COLLABORATION**

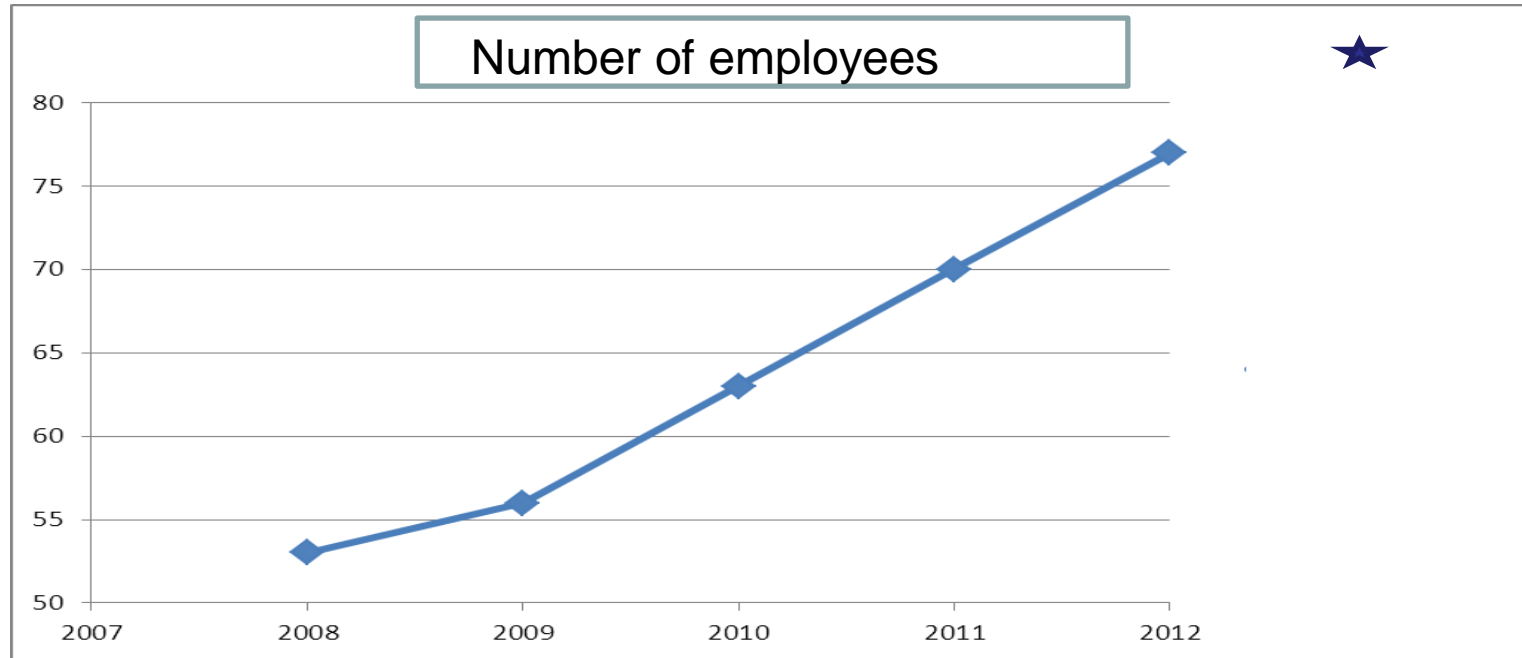


SP Technical Research Institute of Sweden

# SP Fire Technology

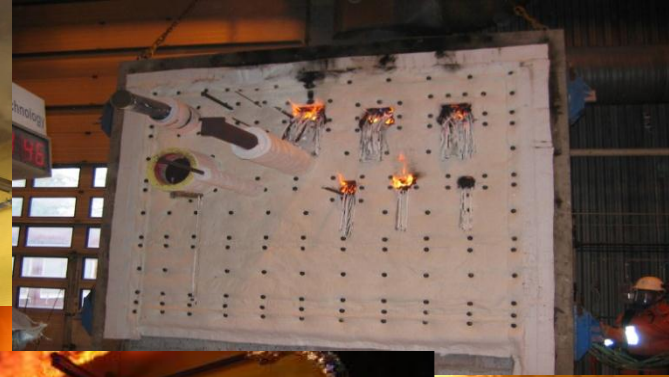
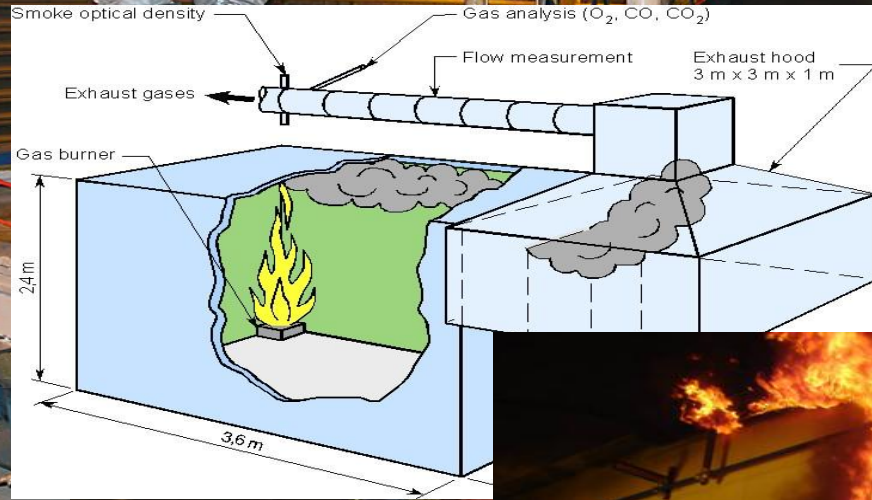


## SP Fire Technology expansion



**3 professors, 13 PhD, 6 PhD students, 38 engineers (M.Sc. and others), 23 technicians and admin = 83.**

# Fire test & research







# Agenda Day 1: State of play

## Session 1: Status

09:30 Coffee and registration

10:00 Welcome

10:15 Session 1: Status of European lightweight at sea – the Industry View

*Rules and Regulations*

10:20 IMO & correspondence group development, Gabor Szemler, Swedish Transport Agency

10:40 Naval ship code development, Franz Evegren, SP

11:00 National regulation perspective and EU directive development, Gabor Szemler, Swedish Transport Agency

11:40 Class perspective: Johan Gärdin, DNV

12:00 Class perspective: Fredrik Tholen, Lloyds Register

12:20-13:20 Lunch

*Operator's, shipyard's and supplier's views*

13:20 RoPax & Naval vessels composite experiences, Sven-Erik Hellbratt, Kockums

14:00 Potential role of composite companies to promote lightweight, Tord Gustafsson, BLATRADEN

14:20 Composite experiences of a shipyard, Laurent Morel & Olaf de Swart, Damen shipyard

14:40 Lightweight operation experience, Christian Hallberg, Styröbolaget

15:00 Coffee



# Continued agenda Day 1

## session 2: ongoing research

### 15:25 Session 2:

15:25 KOMPAS, Christian Berggreen, Technical University of Denmark

15:35 FIRE-RESIST, Tuula Hakkarainen, VTT Technical Research Centre of Finland)

15:45 Co-Patch, Nicholas Tsouvalis, National Technical University of Athens

16:00 BESST, Sven-Erik Hellbratt, Sven-Erik Hellbratt, Kockums, Michael Rahm, SP

16:15 Eco-Island Ferry, Jens Otto Sørensen, Danish Yachts

16:30 Tank Light Module, Mats Hjortberg, Coriolis

16:45 MOSAIC, Carlo Cau, CETENA

17:00 Offshore & Lightweight, Johan Edvardsson, C-Marine

17:15 Adam4Eve, Frank Roland, CMT

17:30 ThroughLife, Markus Elfgren, MeyerWerft

17:45 End of day

19:30 Evening dinner at Grand Hotel

# Agenda Day 2: The E-Lass network

## session 3: existing networks

09:00 Session 3: Existing networks and their role

09:00 Swedish networks S-Lass & OffshoreWest, Tommy Hertzberg, SP

09:15 UK Materials KTN Composites in Ships group, Stella Job, Materials KNT

09:30 The MARPOS Analysis and the MESA Support Action, Frank Roland, CMT

10:00 The CMT network and joint industry projects in Germany, Frank Roland, CMT

10:15 National support for regional development, Erik Bunis, VINNOVA

10:30 Horizon 2020, networking and material research, Ronald Vopel, DG RTD, European Commission

10:45 Coffee



SP Technical Research Institute of Sweden

# Continued agenda Day 2

## session 4; E-Lass

### 11.15 Session 4: Open Discussion to Define Scope and Next Steps of E-Lass

#### Initial E-Lass program declaration:

1. Free membership
2. Access to a website with information relevant to lightweight ship building
3. A list of parties interested in lightweight ship design, through the website.
4. Possibilities to initiate R&D projects
5. Possibilities to get assistance for organizing workshops
6. Newsletter

#### Questions to be discussed:

Is the above list sufficient at the moment?

What should be presented at the E-Lass website, [www.E-lass.eu](http://www.E-lass.eu)? And who is going to fill it?

Shall we at this stage define thematic workgroups within E-Lass?

What shall be the next priorities and expected benefits from E-Läss?

When shall we meet again?

Lunch at 12:15, Finalized at ~16:00

# The S-Lass network

The LASS project, 2005-2008

The Lass-C project, 2008-2010

SP Competence Center "New Designs at sea", 2010

The S-Lass network, 2010

- [www.s-lass.com](http://www.s-lass.com)

## Structure and scope for S-Läss

- Non-profit organization
- Membership fee 250 € - 1200 €/year
- Chaired by SP (so far)
- Board members from industry and academy
- Purpose:
  - Sharing of Information and knowledge
  - Competence increasing activities
  - Increasing cooperation
  - Initiation of projects that develop the lightweight maritime industry
  - Influencing funding organizations and authorities

# S-Läss Activities

- 2-3 meetings per year
  - Yearly member conference
  - Yearly 2-day workshop
    - 2011, "How to design a lightweight vessel" (KTH)
    - 2012, "Noise and vibration challenges in lightweight design" (SP)
    - 2013, "The lightweight design fire challenge" (SP)
- Newsletter
- Projects
  - TankLight Module
  - Eco-Island ferry
  - FLOT
  - LIWEM 2012
  - OffshoreVäst



# OffshoreVäst

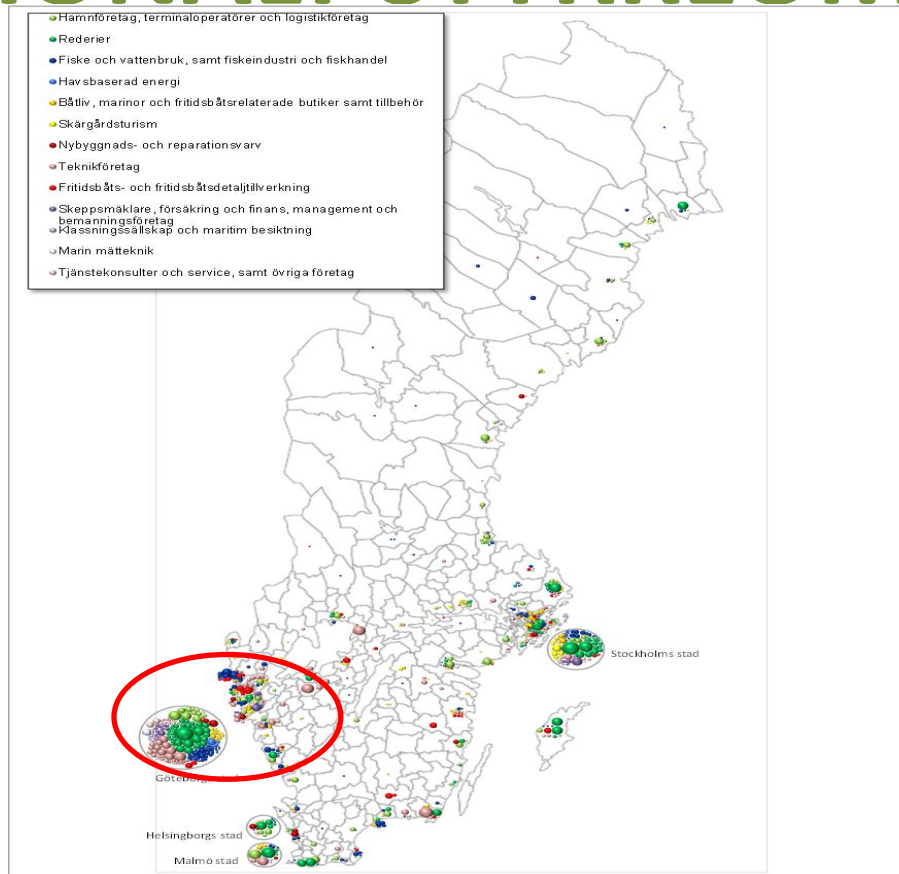
- "Long term approach" (+ 10 years)
- 50 industrial partners
- 9 strategic partners

[www.offshorevast.com](http://www.offshorevast.com)

# OffshoreVäst

- **The project aim is to support and develop Swedish industry, research and society towards an internationally competitive position within the offshore market**
- Financial support by:
  - Vinnova
  - Västra Götalandsregionen
  - SP
  - Chalmers
  - DNV
  - + consortium members

# REGIONALT STYRKEOMRÅDE



# Teknik

## Olja & Gasutvinning



## Havsbaserad energiutvinning



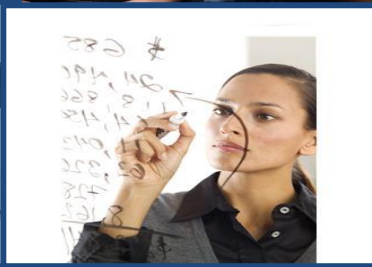
## Service & Underhåll



# SYSTEM

## Offshore Academy

## Offshore Business Development



# OffshoreVäst

Consortium

Process lead

Strategic  
partners

Administration.

Technical lead

WP1

Oil and gas offshore industry

Ex: Lightweight design

WP2

Offshore energy

Ex: Floating windmill

WP3

Offshore service and supply

Ex: Service vessel

WP 4  
Offshore Academy

WP 5  
Offshore Business  
Development

Ex. HR  
development

Ex. Guidelines





# E-Lass

1. Free membership
  2. Informative Website access
  3. A list of interested parties
  4. Initiation of R&D
  5. Workshop assistance
  6. Newsletter
- 
- More points to add?
  - What should be at the website? Access?
  - Thematic workgroups?
  - Next prioritie?
  - Next meeting?

- **Central and specific Information Platform:**
  - not just another generic RTD project data base;
  - including technical news (incl. from projects), Who is who, partner search, discussion
  - shared efforts to maintain data base independently from funded projects
- **Extending our Network:**
  - towards material suppliers and developers, other industry sectors, offshore, ship operators;
  - Synergies in conference and workshops (dissemination activities)
- **Joint Projects:**
  - beyond the „main stream“: regional (BalticSea), trans-national (MARNET, CORNET),
  - other EU priorities than transport (NMP),
  - group sponsored studies and smaller projects ?
- **Common views on (material) standards and (maritime) regulations ?**
- **„Jointly used R&D results“ ?**