

**2<sup>nd</sup> World Electric & Hybrid Boat Summit**  
**for coastal & inland water transportation as well as leisure**

**Amsterdam & Friesland**  
**30<sup>th</sup> September – 2<sup>nd</sup> October 2015**

***Agenda at a Glance***  
***&***  
***Draft Program***

**Wednesday**  
**30<sup>th</sup> September 2015**

**Opening Session**  
Worldwide Context

**Technology Overview**  
State of the art  
Challenges  
Point of View and Vision

**Market Overview**  
Feed-back of Existing Actions  
Perspectives

**Introduction Scenario**  
Best practices & Lessons Learned  
Outlook

**Poster Session**

**Thursday**  
**1<sup>st</sup> October 2015**

**Focus on the Systems**  
Propulsion & Architecture  
Energy Storage

**Safety**  
**Environmental Aspects**  
**Energy Efficiency**  
**Infrastructure**

**Closing Session**  
Strategies for the Future

E-Boat tests in Amsterdam  
Press Conference

**Friday**  
**2<sup>nd</sup> October 2015**

A Focus on Friesland

Sightseeing Tour

## **Wednesday, 30<sup>th</sup> September 2015**

*9.00 - Registration & Welcome Coffee*

### **9.30 - Opening Session**

*Welcome*

*Worldwide Context*

PlugBoat's Mission and Goals

Frédéric Vergels, electri-city.mobi, BE

Welcome Word

Dutch Representative (tbd)

The European Legislative Framework to Foster the Development of Electric Boats

European Commission, (tbd)

European Boating Industry Strategy for the Development of New Energy-Efficient and Clean Solutions for Boating

Pierre Goudant, EBI - European Boating Industry & FIN - French Nautical Industries Federation, FR

*10.30 Coffee break*

### **11.00 Technology Overview**

*State of the Art, Challenges, Point of View and Vision*

Safe Low Voltage Approach

Gerhard Hesse, Fischer Panda, DE

The AQUABOTS Project

Pieters Cornelis, Rotterdam University of Applied, NL

Comparison of Electric Plug-in or Fuel Cells Boats for Inner Navigation

Jean-François Affolter, HEIG-VD, CH

Innovative Hybrid Systems for Small Craft

Graeme Hawksley, Hybrid-Marine, UK

Parallel-Hybrid-Propulsion in the Marine Market

Ulrich Setzermann, DE

*12.40 - Lunch*

14.00 - Market review

*Feed-back of Existing Actions, Perspectives for the Future*

Serial Hybrid Passengers Boats in Toulon

Philippe Pallu de la Barrière, Alternatives Energies, FR

Reasons of a Success Story

Christoph Ballin, Torqueedo, DE

ROBOAT: The River Cleaning Robot

Tbd, Omnipresent Robot Technologies, IN

Mienskip: An Affordable Electric Boat - Integral and Optimal Design for the Frisian Community

Bart Bouwhuis, Vripack, NL

Hydrogenesis, the UK's first Fuel Cell ferry

Jas Singh, Auriga Energy Limited, UK

15.40 - *Coffee Break*

16.00 - Introduction Scenario

*Best Practices & Lessons Learned, Outlook*

Watertruck+

Johan Boonen, Flemish Institute for Mobility, BE

E-Mobility: Benefits and Challenges for the Electrification of Boats

Marcus Lehnhardt, IAV, DE

Progress in Frisian Solar-powered Boat Races - an Overview of the Last Decade

Tim Gorter, NHL University of Applied Sciences, NL

Electric Boat Sharing in Venice: the ELECTROSMARTBOAT CHALLENGE Project

Alberto Sonino, Marina Vento di Venezia, IT

17.20 - Poster session

*With networking drink*

Development of a Prototype Autonomous Electric Vessel for Inland Waterway Navigation

Peter Slaets, University of Leuven, BE

Innovative Solutions for Living and Enjoying Life on the Water!...: Solar Electric Eco-Hotel & Floating Concert Hall

Martin Mai, AQUACON, AT

BULBAT, an on Board Device to Protect River Banks and Ecologically Sensitive Areas

Marc De Vleeschouwer, Managetic, BE

Combining Energy with Power: Lithium Ion Capacitors  
Benoit Lalande, JSR Micro, BE

A bit of history: Gustave Trouvé - Genius in Batteries & Electric Boats  
Kevin Desmond, French Association for Electric Boats & UK Electric Boat Association,  
FR

Smart Solar Powered Catamaran  
Diane Cassar, Enerscapes, MT

Tugging to the Future  
Kevin Jackson Verschuur, Rotterdam University, NL

La Bella Verde - Solar Catamaran in Ibiza  
Maarten Bernhart, LA BELLA VERDE SL, ES

A Review of Renewable Energy Generation for Ship On-board Usage  
Alberto Castellazzi, University of Nottingham, UK

Technologies, Feasibility and Management Strategies for On-Board Multi-Source Energy  
Networks  
Ahmed Sanjana, University of Nottingham, UK

Compressed Air engine for Boats  
Shiva Vencat, Zero Pollution Motors, US

*20.00 - Gala Dinner*

*Please note that separate registration is requested to attend the gala dinner.*

## **Thursday, 1<sup>st</sup> October 2015**

*8.00 - Registration & welcome Coffee*

**8.30 - Introduction Scenario** (cont.)

*Best Practices & Lessons Learned, Outlook*

Electric shipping in the city of Amsterdam  
Pim van Mensch, TNO, NL

Public waterbus in Venice and sustainable passenger transportation  
Emanuele Ferro, Alilaguna, IT

SEFF's open source disigntool : an instrument that helps boat builders to make the most efficient electric boats

Marcel Schaap, Stifting Elektrysk Farre Fryslân, NL

The green shift to renewable ship transport  
Marius Gjerset, Zero, NO

**9.50 - Focus on the systems**

*Propulsion & architecture, Energy Storage*

Solar Hydrogen Production Plant for Small Passenger Ships  
Ivica Ancic, University of Zagreb, HR

Solar Electric Naval Architecture  
David Czap, Naval DC, NL

*10.30 - Coffee Break*

**10.50 – Safety, Environmental aspects, Energy Efficiency, Infrastructure**

Safety of Battery Systems, an Automotive Perspective  
Andrey Golubkov, Virtual Vehicle, AT

Inland Waterways Navigation and Engineering Education – Stimulating Innovation  
Geert Waeyenbergh, University of Leuven, BE

How to Legitimize Electric Boating? Experiences from Amsterdam and Friesland  
Sarah Bork, NHL, NL

Ship-shore Electrification: win-win  
Asbjørn Hovstø, Hafenstrom, NO

ZapCharger Marine – Meeting a new Standard of Safety  
Per Hassel Sørensen, Zaptec, NO

12.30 - Closing session

*Wrap-up*

*Strategies for the Future*

Feedback from the Different Sessions

Open Debate

Let's Think Globally!

Rune Haaland, EVUnion, NO

What's next?

Frédéric Vergels, electri-city.mobi, BE

13.30 *Lunch*

14.30 - 15.30 - E-Boat Testing in Amsterdam & Press conference

----- Close of the 2015 PlugBoat Summit -----

----- Start of the Study tour to Friesland -----

*Please note that separate registration is requested to attend the study tour.*

16.00 - Bus Transfer to Friesland

17.30 - Check-in at Koudum Hotel & Free Time

19.30 – Evening Party

- Network Drink

- Welcome in Fryslân

Klaas Kielstra, Member of the provincial Executive of Province Fryslân, NL

- Mini expo on Friesland's related activities

- Dinner

## Friday, 2<sup>nd</sup> October 2015

8.00 - *Breakfast*

9.00 - Showcases of Electric Boats and Solar Boats in the Harbor around Hotel Galamadammen

10.30 - Bus transfer to Heeg

11.00 - A focus on Friesland

Welcome

Marcel Schaap, De Stille Boot, NL

Solar Boat Race

Tim Gorter, NHL University of Applied Sciences, NL

Now and Electric Boating!

Bouwe de Boer, Leeuwarden Commune, NL

11.30 - *Lunch*

12.00 - Recreational E-boats Trip on the First Frisian Electric Only-route

*On the route there will be demonstrations of a number of solar boats, cruising but also sprinting*

14.00 - Free tests & B2B DiscussionS at Heeg

15.00 - Bus transfer to Amsterdam

- 16.30: *Amsterdam Central Station*

- 17.00: *Amsterdam Schiphol International Airport*

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