

PlugBoat 2018

18th & 19th October 2018
Venice, Italy



3rd World Electric & Hybrid Boat Summit

for Coastal & Inland Water Transportation as well as Leisure



plugboat.com

PROGRAM - 18th OCTOBER

■ 08.00 **REGISTRATION & WELCOME COFFEE**

■ 09.00 **OPENING SESSION**
Welcome & Worldwide Context

PlugBoat's Mission and Goals
Frédéric Vergels, Electri-city.mobi, BE

Why Venice ?
Tbd

Insights about Electric Propulsion in Italy
tbd

Electric Boats as a Solution to Urban Congestion
Indira Khara , UITP - International Association of Public Transport, BE

European Commission: Legal Framework and Tools
tbd

■ 10.30 **COFFEE BREAK**

■ 11.00 **TECHNOLOGY OVERVIEW**
State of the Art, Challenges, Point of View and Vision

Triple Innovation
Hans Thornell, Green City Ferries, NO

Motor boating of the future
Janne Kjellman, Oceanvolt & Q Yachts, UK

Aluminum-air Batteries for Marine Applications
Udi Erell, MatysOnBoard, UK

Easy-to-install High Voltage E-propulsion for Yachts and Smaller Commercial Vessels
Gerhard Hesse, Fischer Panda, DE

Solar Electric Naval Architecture - an Integral Design Approach Showcased by the
SoelCat 12
David Czap, Soel Yachts, NL

Electric-Hybrid Hydrofoiled Watertaxi for Venice
Martin Mai, AQUAcon, AT

■ 13.00 **LUNCH**

PROGRAM - 18th OCTOBER

■ 11.00

MARKET REVIEW

Feed-back of Existing Actions, Perspectives for the Future

Paradigm Shift for Urban Transportation with Electric, Hybrid and Solar Ferries and Watertaxis

Ivonne Hagena, Torqeedo, DE

Evaporetto

Mike Tommasi, 3ENERGY, IT

The Innovative and Versatile “Valentino” Full-electric Boat Class

Antonino Capillo, University of Rome “La Sapienza”, IT

Cost-benefit Analysis of a Shore Side Electricity Investment Project

Gatto Marco, TRT Trasporti e Territorio, IT

IbizaRespira

Iñaki Calvo Ponte, Smart Eco Driving, ES

■ 15.40

COFFEE BREAK

■ 16.00

INTRODUCTION SCENARIO

Best Practices & Lessons Learned, Outlook

Accelerating Transition to Sustainable Marine Transport with Financial Solutions

Kanne Ulf, Transport Transformation, CH

Fuel Cell Solution for Marine Application

Yane Laperche-Riteau, Ballard Power Systems Europe, FR

Multi-motor Concept for Watercraft Drivetrain Applications

Johannes Gerold, FEAAM, DE

Parallel Hybrid Transmission

Bart van der Helst, Esco Power, BE

PROGRAM - 18th OCTOBER

■ 17.20

POSTER SESSIONS

With networking drink

Living Boats Aarhus

Jørn Grønkjær, Living Boats Aarhus, DK

Biocomposite: an Opportunity for more Sustainable Electric Boats

Aline Rogeon, VESO Concept, FR

Solar Electric & Hybrid Living on Water

Martin Mai, AQUAcon, AT

Water Tight Li-Ion Battery Module for Maritime Applications

Oliver Urem, Fiberdraft, AT

Automatisation of Battery Cell Production Based on Laser Welding

Johannes Kaar, Nordfels, AT

GALA DINER

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

PROGRAM - 19th OCTOBER

■ **09.00** **REGISTRATION & WELCOME COFFEE**

■ **09.30** **WHAT'S HAPPENING ? WHERE ?
Projects and Ongoing Realisations**

Recent Experiences in Modular Offshore Battery Solutions
Willums Jan-Olaf, Zero Emission Marine, NO

Have you Ever Thought about Cutting the Cord? Inductive Charging a Reliable and Powerful Alternative
Steffen Bittler, IPT Technology, DE

Sustainable Public Transportation in Venice
Emanuele Ferro, Alilaguna, IT

Electric Marine Vessels: an Unstoppable Transition?
Gear Luke, IDTechEx, UK

A Report on Plug-in Hybrid Boat Activities in Japan: The Usefulness and the Remarkable CO2 Reduction
Shigeyuki Minami, Osaka City University, JP

French Market Status, Trends and Challenges
Xavier de Montgros, French Association for Electric Boats

■ **11.30** **COFFEE BREAK**

■ **11.50** **DESIGN & ENERGY STORAGE**

Using high Efficiency PM Motor to Increase Efficiency in Boat Powertrain
Rambaldi Simone, italianvolt, IT

YeloH2 : 75PAX Hydrogen Powered E-boat used for Maritime Public Transportation
Philippe Pallu de La Barriere, Alternative Energies, FR

Volvo Penta Parallel Hybrid Marine Propulsion Concept
Andrea Piccione, Volvo Penta, IT

Technical Multi-drive Hybrid Electric Boat in Venice
Massimo Guarneri, University of Padua, IT

PROGRAM - 19th OCTOBER

■ 13.10

LUNCH

■ 14.30

**EUROPEAN BOATING INDUSTRY ROUND TABLE ON RECREATIONAL ELECTRIC BOATS
Towards a Greener Blue in Europe - Could E-boats be the Solution?**

A Framework of European Fegislations Favourable to Electric Boats

Representative from the European Commission, DG Environment

Presentation of the Marine Strategy Framework Directive and EU legislative framework favourable to the development of Electric Boats in Europe.

Sail electric

Xavier de Montgros, Association Française du Bateau Electrique, FR

Lighter, with no fuel emission, reduced underwater noise: how electric sea going boats are perfectly suitable for very sensitive marine areas.

Recreational ports of tomorrow

Representative from marina fully equipped with electric plug

Good and best practices from a marina that invested in infrastructure for electric boats.

Discussion Panel with :

Xavier de Montgros, Association Française du Bateau Electrique, FR

Christoph Ballin, Torqeedo, DE

Béranger Laurent, Eco Sailing Project, FR

Moderated by :

Sandrine Devos, European Boating Industry, BE

■ 15.30

CLOSING SESSION

Wrap-up - Strategies for the Future

Feedback from the Different Sessions

Open Debate

What's Next?

Frédéric Vergels, electri-city.mobi, FR