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# Workshop on Ammonia FC System for Maritime Application

2 July 2024, 12.30 – 17.30, Lucerne KKL/Switzerland

## System, Safety & Future in NH<sub>3</sub> based Power Production

The AMON project is **developing** and **demonstrating a novel system** for the utilization and direct conversion of ammonia into electrical energy with high efficiency using a solid oxide fuel cell system. In the AMON workshop, the system and the **challenges of engineering and integration** as well as the maritime **safety** aspects of such a development will be presented and discussed. This will support you in identifying the relevant points for further **integration, application** and **operation**. You will **meet key know-how owner** and **discuss the future** of ammonia-based power generation. You will also learn about the **added values** such as simplicity, efficiency, reliability, availability and scalability of such innovative ammonia fuel cell systems.

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Organised by **CH JU project**



**amon**  
AMMONIA TO POWER

Development of a next generation  
AMmONia Fuel Cell system

[www.AMON-project.eu](http://www.AMON-project.eu)

**Clean Hydrogen Partnership**

 The project is supported by the Clean Hydrogen Partnership and its members Hydrogen Europe and Hydrogen Europe Research, under Grant Agreement No 101101521

In conjunction with  
**SUSTAINABLE SHIPPING DAYS**  
[www.EFCF.com/SSD](http://www.EFCF.com/SSD)

**SSD** 2024  
1 – 2 July 

## Workshop Program:

see also **SSD program**  
[www.EFCF.com/SSDprogram](http://www.EFCF.com/SSDprogram)

12.30	<b>Registration</b> & possibility to visit the <b>SSD poster session</b>
13.30	<b>Introduction on Ammonia FC system</b> Matteo Testi, FBK, Trento/Italy
13.45	<b>Engineering &amp; Integration</b> Debasish Chakraborty Alpha Laval Lund/Sweden & Copenhagen/Denmark
14.00	<b>Safety aspects on ammonia power systems</b> Alvaro Fernandez, KIWA, Apeldoorn/The Netherlands
14.20	<b>Panel</b> with Enduser, Marine and Ammonia Experts <b>"How do you see NH<sub>3</sub> use in the context of power production? On shore - On board: Chances, needs, risks, market potentials."</b>
15.00	Coffee Break joining SSD network and poster session
15.30	<b>Marine Fuel Cell Technology, SSD Lecture 4</b> with AMON partner Solydera: SOFC x Ammonia and PowerCell, Alma, Freudenberg
17.30	<b>End AMON Workshop &amp; SSD</b>
18.00	Invitation to <b>EFCF Welcome Reception</b> sponsored by <a href="http://www.EFCF.com">www.EFCF.com</a>

### Who should join:

- OEMs of Fuel Cells, Electrolysers & Storage Systems
- Marine Fuel Suppliers
- Marine Genset Manufacturers
- Ship Yards, Ship Owners & Ship Operators
- Port Builders, Integrators, Operators & Authorities
- Investors, Banks, Scouts
- Marine Safety & Classification Organisations
- Regulators, Consultants
- R&D specialists in the related fields

### Registration

If you like to join the **AMON workshop for free** you must register here [www.EFCF.com/AMONwsReg](http://www.EFCF.com/AMONwsReg)

If you like to attend the **SSD** get all information here [www.EFCF.com/SSD](http://www.EFCF.com/SSD) and please register here [www.EFCF.com/Registration](http://www.EFCF.com/Registration)

### Contact for:

**SSD, Workshop, EFCF**

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### AMON project partners

[www.AMON-project.eu](http://www.AMON-project.eu)