



H2

ONLINE EVENT:

# WEBINAR SERIES OF TECHNOLOGIES FOR GREEN HYDROGEN APPLICATIONS

- **Reciprocating compression systems for for dry Hydrogen-Medium pressure-LMF**
- **Liquid ring compression system for wet Hydrogen-Low pressure-NASH**
- **De-Oxo, Drying and Purification of Hydrogen-SILICA BERLIN**
- **Carbon capture on Hydrogen and EFuels applications-SULZER CHEMTECH.**

# H2 WEBINAR SESSIONS

**Online technical sessions addressed to:** Engineers and technical professionals from the Oil & Gas industry in positions responsible for the design, sizing and selection of equipment to service their production processes, as well as maintenance engineers in charge of this equipment, users responsible for production or technical buyers even engineers curious to learn more about these technologies.

**Duration:** 60 min per session. **Time:** From 11:00 to 12:00 h. **Language:** English.

## Contents and Dates

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### First session: 26-05-2023

#### Hydrogen Compression – non lubricated industrial applications Medium pressure – LMF COMPRESSORS

- **Welcome, instructions and introduction first session (5 min)**
- **Main Content of the subject session: (45 min)**
  - Company Background
  - Portfolio & USP's
  - Reference Excerpt and features
  - RePower EU Project's and future outlook
  - Summary
- **Question and answers from the participants (10 min)**

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### Second session: 09-06-2023

#### Wet Hydrogen and Oxygen Compression – Low pressure – NASH COMPRESSORS

- **Welcome, instructions and introduction of second session (5 min)**
- **Main content of the session subject (45 min)**
  - Nash company introduction
  - Liquid Ring Compressor (LRC) – How it works
  - Liquid Ring systems
  - Hydrogen and Oxygen compression with LRC
  - Reliability and safety considerations
- **Question and answers from the participants (10 min)**

# H2 WEBINAR SESSIONS

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## **Third session: 16-06-2023**

### **DeOxo, Drying and Purification Technologies – SILICA BERLIN**

- **Welcome, instructions and introduction of third session (5 min)**
- **Main content of the session subject (45 min)**
  - Introduction of Silica
  - Why does Green Hydrogen need to be purified after electrolysis?
  - Basic design of a hydrogen purification and drying unit
  - Regeneration within the hydrogen drying unit
  - Summary (take-home message, which unit suits which application case)
- **Question and answers from the participants (10 min)**

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## **Fourth session: 30-06-2023**

### **Carbon Capture Technologies – SULZER CHEMTECH**

- **Welcome, instructions and introduction of fourth session (5 min)**
- **Main content of the session subject (45 min)**
  - Process Plants overview
  - Carbon Capture technologies at Sulzer
  - Modular Carbon Capture solutions
  - Integration with H<sub>2</sub> industrial use / e-Methanol (Case Study)
- **Question and answers from the participants (10 min)**

# H2 WEBINAR SESSIONS

## Main speakers:



### Markus Kriks

#### Business Development & Sales Director Alternative Energy at **LMF**

International Business Development & Sales for Tailor Made Compressor Solutions for H<sub>2</sub>, CBG and CNG (hydrogen, compressed biogas and natural gas).

Speaker with more than 20 years experience in Rotating Technology (Reciprocating Compressors, Stage technologies, Turn Key Extrusion plants acting in Project and Sales functions).



### Christoph Weber

#### Industry Manager Chemical & Oil&Gas at **Nash**

25 years experience in vacuum and compression technologies with focus on chemical applications, holding following positions: Manager R&D, Manager Sales and application support, KAM for Chemical Customers, Industry Manager Chemical + Oil&Gas.



### Denis Straub

#### Process and Sales Engineer at **Silica Verfahrenstechnik GmbH**

He has been working continuously for more than 11 years on issues relating to gas drying. For about 5 years he was a commissioning engineer working worldwide. In recent years, he has increasingly been active in the field of proceed design, sales and green technologies, in particular green hydrogen.



### Laurent Savary

#### Sales Manager France & Iberia at **Sulzer Chemtech**

Laurent is an experienced technical sales manager, with both a Chemical Engineering Degree and PhD in Chemistry, specializing in chemical catalysis. He has over 20 years of commercial experience, working at Axens and UOP as a technical sales manager. These roles have included the selling of high-value chemistries in France, Maghreb & Africa.

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