

## Energy Technology Delegation

Discover solutions for

Hydrogen • Batteries • Fuel Cells • Photovoltaics

September 1 – 2, 2026 | Trade Fair Erfurt, Germany



## Join the Energy Technology Delegation

Explore coating technologies for next-generation energy systems

Are you active in the fields of ...?

-  **Batteries & Energy Storage**
-  **Electrolyzers & Green Hydrogen**
-  **Fuel Cells**
-  **Photovoltaics**
-  **Power Electronics**

Looking for solutions to... ?

- ✓ Corrosion
- ✓ Material degradation
- ✓ Lifetime
- ✓ Functional surfaces
- ✓ Manufacturing
- ✓ Scale-up

### Meet the Surface Engineering Community in the Workshop, Forum & Exhibition

- Coating Experts
- Plasma & PVD Specialists
- Coating Equipment Manufacturers
- Material Suppliers
- Analytics & Simulation Experts



**Register via E-Mail at**

**[ald4emo@efds.org](mailto:ald4emo@efds.org)**

**Code „PSE2026 Energy Delegation“**

*Participation free of charge!*

This activity is part of the PSE2026  
**International Conference & Exhibition  
on Plasma Surface Engineering**

<https://pse-conferences.net/>

August 31 – September 3, 2026 |

Trade Fair Erfurt, Germany

Organized in Cooperation of



### Program Overview

Tuesday, September 1, 2026

- 10:00 – 15:30  
**Industrial Workshop**  
*Meet the Coating experts and discuss industrial demands with the coating industry*
- 16:00 – 17:00  
**Guided Tour through the exhibition**  
*We present you the important players of the Coating Community.*
- 17:00 – 22:00  
**Industrial Evening**  
*Networking & Social Event. Get in touch with the Community.*

Wednesday, September 2, 2026

- 09:30 – 10:30  
**Poster Talks**  
*Get an overview to recent project work and facilities working in the field.*
- 10:30 – 15:00  
**Silent Forum**  
*Interactive discussion for industrial offers and needs.*

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## Industrial Workshop “Surface engineering for clean energy solutions”

September 1, 2026 | 10:30 – 15:00 | Panorama  
Saal | Trade Fair Erfurt, Germany

*organized by Ulf Seyfert, VON ARDENNE GmbH,  
Germany*

Energy is the key to prosperity and development in the growing world. Surface engineering techniques such as coatings, treatments and functionalization are enabling the development of more efficient, resilient and cost-effective solutions for the energy sector. Surface properties and interactions of materials are tackling the challenges of the energy transition towards renewable and sustainable sources, energy storages, converters, distribution networks and mobility applications.

### Program

#### **Potential of PVD coatings for the ramp-up of the Hydrogen Economy**

L. Dobrenizki | Siemens Energy Global GmbH & Co. KG, Erlangen, Germany

#### **Industrial thin film coatings for hydrogen applications**

S. Tervakangas | Oerlikon Balzers Coating Finland Oy, Espoo, Finland

#### **Barrier coatings for operation under hydrogen atmospheres in combination with low friction properties**

P. M. Reinders | Ionbond – IHI Group, Venlo, Netherlands

#### **PVD Coatings for Electrolyzer Electrodes: from Dense Protective Films to Porous Catalytic Layers**

S. Ekeröth | Ionautics AB, Linköping, Sweden

#### **In-operando electrochemical impedance spectroscopy (EIS) study of different PVD coatings and materials for bipolar plates during PEM water electrolysis single cell testing**

L. Mendizabal | Tekniker, Plasma Coating Technology Department, Eibar, Spain

#### **A Scalable and Safe Roll-to-Roll Process for the Industrial Production of Lithium Metal Anodes by PVD**

N. Rivolta | AGC Glass Europe, AGC Plasma, Gosselies, Belgium

#### **Homogeneous Titanium Coatings for Integrated Solar-to-Hydrogen Generation by CdTe-based Photovoltaics**

D. Loch | Trumpf Hüttinger GmbH & Co. KG, Freiburg, Germany

#### **Inhibiting Oxygen Incorporation During Large-Area Sputter Deposition of Phosphorus-Doped Amorphous Silicon**

V. Linß | VON ARDENNE GmbH, Dresden, Germany

#### **Development of ceramic coatings for the fusion energy industry**

T. Sgrilli | Gencoa Ltd., Liverpool, United Kingdom

#### **Plasma Surface Engineering to Enhance Material Compatibility in Aqueous Electrode Processing for Eco-Friendly Manufacturing of Li-ion Batteries**

D. Müller | Innovative Coating Solutions, Gembloux, Belgium

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## Industrial Exhibition & Industrial Evening

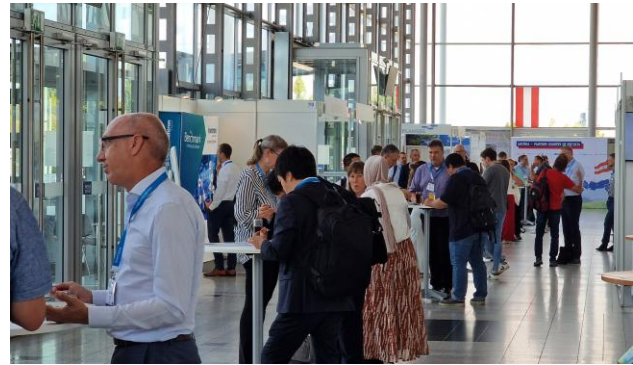
### Guided Tour through the exhibition

September 1, 2026 | 15:30 – 16:30 |  
Foyer Hall 1 | Trade Fair Erfurt, Germany

Meet the key players of the community. We present you an overview of active partners and recent offers and developments.

With Companies & Research Institutes like Ionbond BV, Nano4Energy, Plasway Technologies, scia Systems, Plansee Composite Materials GmbH, Fraunhofer IKTS, Fraunhofer IST, Leibniz IFW and others more.

<https://pse-conferences.net/exhibition-overview/>

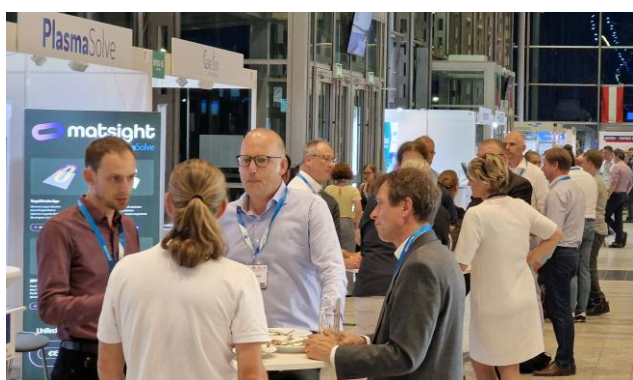


### Industrial Evening

September 1, 2026 | 19:00 – 22:00 |  
Foyer Hall 1 | Trade fair Erfurt, Germany

*At this Social Event the complete community meets in an ambient atmosphere and gets in discussion by beer and wine.*

*2026 the Iberian Community will be highlighted and present their ecosystem. We are looking forward to an inspiring evening.*



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## Poster Talks, Silent Forum & Interactive Discussion

### Poster Talks

September 2, 2026 | 09:30 – 10:30 |  
Foyer Hall 1 | Trade Fair Erfurt, Germany

Learn from the international Community and get an impression of recent results and new projects.

### Program of Poster Session on Wednesday

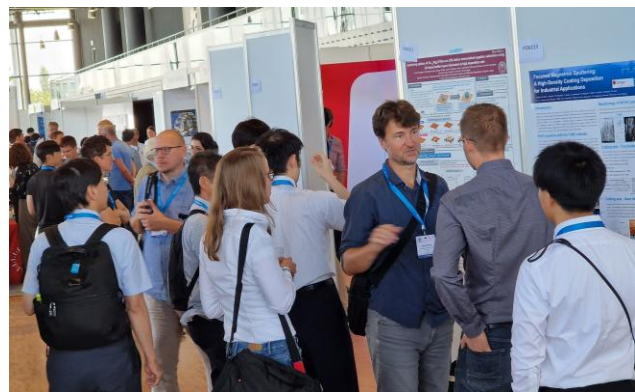
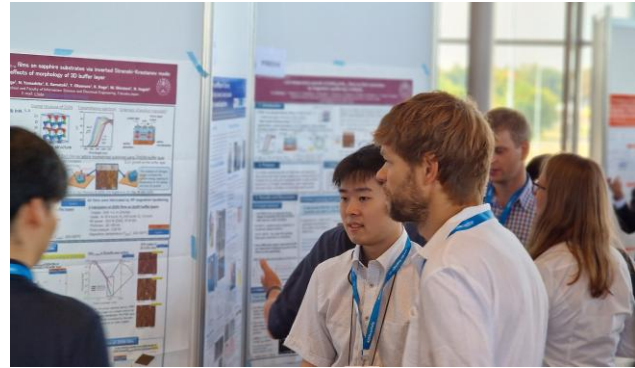
<https://eventclass.it/pse2026/scientific/external-program/session?s=PS-03>

### Silent Forum

September 2, 2026 | 10:30 – 15:00 |  
Foyer Hall 1 | Trade fair Erfurt, Germany

*In the Silent Forum an interactive Discussion will be presented about the technological offers and the industrial needs. Discuss with leading experts recent challenges and needs for hydrogen, battery, fuel cells and photovoltaics.*

*Further Information will follow soon.*



„You have an energy challenge. We have a surface solution.“

