



Trade Mission Conference

Wind Onshore and Offshore including Maintenance

September 6th Clayton Hotel, Cardiff Lane, Dublin 2

www.german-energy-solutions.de

German-Irish Chamber of Industry and Commerce, on behalf of the Federal Ministry of Economic Affairs and Climate Action (BMWK), welcomes to Ireland German companies specializing in the wind energy sector as part of our trade mission from 5th to 9th September. The event offers Irish wind industry participants the opportunity to meet leading product and service specialists from the German wind industry.

Trade Mission Key Dates

6th September	Presentations by the visiting German companies, keynote presentations by Irish and German industry professionals, networking and individually arranged B2B meetings with potential Irish business partners.
7th – 8th September	Further B2B meetings between German and Irish business partners

Benefits at a Glance

- Learn about innovations in the German market from industry specialists
- One to one meetings with the participating German company representatives
- Discuss potential cooperation in Irish market
- Build relationships with European partners

Register for the event by [Clicking Here](#)

For further information visit: <https://www.german-irish.ie/en/events>

Frank Daly

E-mail: frank.daly@german-irish.ie

Mobile: +353 86 085 9375

German-Irish Chamber of Industry and Commerce, 5 Fitzwilliam Street Upper, Dublin 2 D02 YH95

Conference Programme
Wind Energy Onshore & Offshore incl. Maintenance
Tuesday, 6th September 2022
Clayton Hotel, Cardiff Lane, Dublin 2

09:00	Registration of Delegates Tea/Coffee
09:30	Welcome and Introduction Ralf Lissek, CEO German-Irish Chamber of Industry and Commerce Nancy Reck, German Deputy Ambassador to Ireland Frank Daly, Project Manager – Renewables and Energy Efficiency, German-Irish Chamber of Industry and Commerce
09:45	German Guest Speaker: Roman Rudnik Bundesverband WindEnergie (The German Wind Energy Association)
10:15	German Guest Speaker: TBC Stiftung Offshore Windenergie (The German Offshore Wind Energy Foundation)
10:45	“Ireland’s Offshore Wind Revolution” Wind Energy Ireland
11:15	Q&A Session
11:45	Break – Tea/Coffee & Networking
12:00	German Delegates Company Showcase – Part 1 1. SeaRenergy Hagen Heesch, CEO 2. REWITEC GmbH Stefan Bill, CEO
12:40	Lunch & Networking
13:40	German Delegates Company Showcase – Part 2 3. Lumenion

	<p>Herbert Piereder, International Business Development</p> <p>4. Energy & Meteo Systems Eike Arndt, Business Development</p> <p>5. Smart Blade Ulrich Lang, CEO</p>
14:40	Summary/Closing Remarks
15:00	Conference Close – Individual Meetings with German Companies

Contact

Frank Daly, Energy Efficiency/Renewables, German Irish Chamber of Industry and Commerce

Telephone: + 353 86 085 9375

Email: frank.daly@german-irish.ie

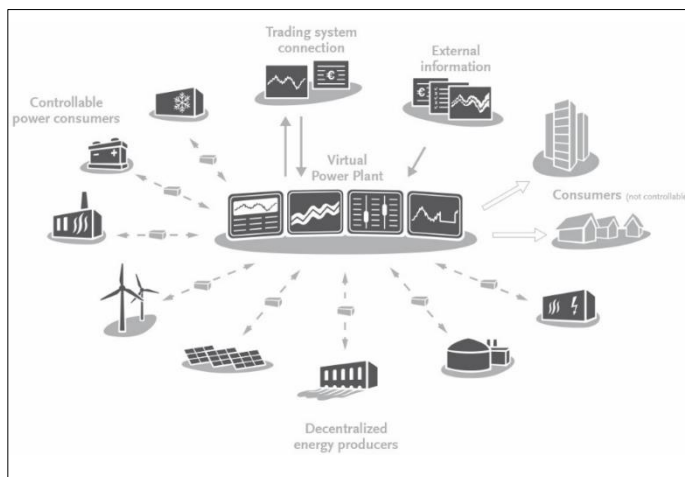
This trade mission is organised by the German-Irish Chamber of Industry and Commerce together with the energiewaechter GmbH in Berlin to promote German-Irish business co-operations in the wind sector in the framework of the German Energy Solutions Initiative on behalf of the Federal Ministry for Economic Affairs and Climate Action (BMWK).

emsysvpp

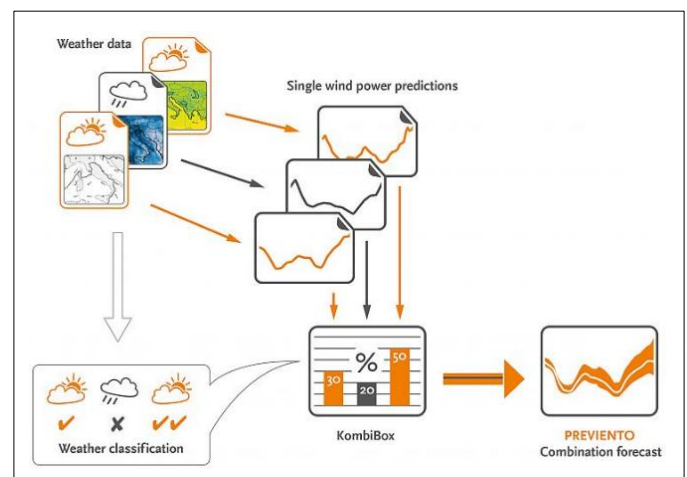
energy & meteo
systems

emsysvpp's sophisticated **Virtual Power Plant (VPP)** software monitors and remote-controls in real-time distributed energy resources with a total capacity of several gigawatts, pulling maximum value from their consumption and generation on power markets and for a smart grid management. The Virtual Power Plant digitally connects renewable and conventional energy sources as well as various types of storage systems and demand-side resources.

energy & meteo systems is an international provider of precise **Wind and Solar Power Forecasts** for grid operators, aggregators, power traders and plant operators. Worldwide it is predicted that power output of installed wind will exceed 300 GW and 180 GW of installed PV, ranging from single parks to large portfolios. **energy & meteo systems** also provides operational forecasts for the wind and solar power production in numerous European markets, including the Irish I-SEM.



Virtual Power Plant



Wind and Solar Power Forecasts

If you would like to take the opportunity to meet **Energy & Meteo Systems GmbH** we would like to invite you to the trade mission of the **German-Irish Chamber of Industry and Commerce** on **Wind Energy On/Offshore including maintenance** taking place from **September 6th to September 8th, 2022**. **Energy & Meteo Systems GmbH** is presenting at our conference in Clayton Hotel, Cardiff Lane, Dublin 2 on the 6th and is available for individual B2B meetings on the 7th and 8th. Please contact us to register for the conference or to arrange a meeting.

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Mob: +353 86 085 9375

E-Mail: frank.daly@german-irish.ie

Web: <https://www.german-irish.ie/en/>

Energy & Meteo Systems GmbH

Eike Arndt

Oskar-Homt-Straße 1, 26131 Oldenburg, Germany

Tel: +49 (0)441 24921483

E-Mail: eike.arndt@energymeteo.de

Web: <https://www.energymeteo.com/>

LUMENION

The **LUMENION Grid Scale High Temperature Energy Store** transforms the energy behind generation peaks from wind or solar power into CO₂-free process heat for industries. Thus, it is not only instrumental in replacing gas but also in accelerating the uptake of renewable energy. Investments into grid reinforcement and balancing power, driven by on- and offshore wind projects, can be reduced significantly. Steel elements are heated up to approximately 650°C by means of resistive heating elements and on the output side the heat is utilised via conventional heat exchangers as process heat at high efficiencies of > 85%.



Product/Service description and summary bullets below

- Established industry standard components
- No hazardous materials
- Rapid charging switch on and off times
- Available now
- High efficiency > 85%
- Low life cycle costs
- Purely resistive load
- Can be fully manufactured in Ireland

If you would like to take the opportunity to meet **Lumenion** we would like to invite you to the trade mission of the **German-Irish Chamber of Industry and Commerce** on **Wind Energy On/Offshore including maintenance** taking place from **September 6th to September 8th, 2022**. **Lumenion** is presenting at our conference in Clayton Hotel, Cardiff Lane, Dublin 2 on the 6th and is available for individual B2B meetings on the 7th and 8th. Please contact us to register for the conference or to arrange a meeting.

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Web: <https://www.german-irish.ie/en/>

Lumenion GmbH

Contact person: Herbert Piereder

Ella-Barowsky-Str. 11, 10829 Berlin, Germany

Tel: +43 660 14 88 915

E-Mail: herbert.piereder@lumenion.com

Web: <https://lumenion.com/>



REWITEC GmbH is a medium-sized company based in Lahnau, Germany, which was founded in 2003 and has been part of the US company Cargill Bioindustrial since July 2022. REWITEC develops, produces and markets an innovative technology for the metal surface treatment of gears and bearings in wind turbines. The goal of this unique technology is the extension of gear and bearing lifetime and the increase of the wind turbines drivetrain efficiency. The nano- and microparticle-based technology uses lubricants as a carrier to form a self-repairing layer at the metal surfaces. By applying the products, gears, bearings, machines and combustion engines can run better, with lower friction, temperature and higher reliability and durability due to less abrasion and wear. This innovative technology has been applied in thousands of wind turbines already and certified in cooperation with numerous universities and colleges. The patented REWITEC technology is successfully used in gearboxes, bearings and combustion engines in different industries such as automotive, marine, steel, mining, but especially in the wind power industry worldwide.



REWITEC GmbH is a lubrication expert that aims to enhance the service life of systems and components.

- Increases smooth running
- Reduces wear in main gears
- Extend the life of all moving parts
- Removal of previous damage
- Positive impact on bearings and their CMS data
- Reduced spare parts requirements
- Surface refinement
- Permanent wear protection

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E-Mail: frank.daly@german-irish.ie

Web: <https://www.german-irish.ie/en/>

REWITEC GmbH

Stefan Bill

Dr.-Hans-Wilhelmi-Weg 1, 35633 Lahnau, Germany

Tel: +49 (0)6441 44599-0

E-Mail: stefan_bill@cargill.com

Web: <https://www.rewitec.com/index.php/en/>

searenergygroup

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SeaReenergy Group is an independent provider of comprehensive services for all offshore wind industry stakeholders. They are involved in the whole value chain from lease development, permitting, certification, design until T&I concepts to installation and operation & maintenance. Founded in 2010, they offer consulting and engineering services as well as offshore marine, QHSE and contract staffing services for the full range of offshore professionals.



SeaReenergy Group provides services covering the complete **life cycle of an offshore wind project**.

- Technical Planning / Owners Engineering
- Transport & Installation Concepts
- Structural Design
- Maritime Engineering
- Onshore, Port & Offshore Logistics
- Operations & Maintenance
- Commissioning
- Heavy Lift Engineering

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Mob: +353 86 085 9375

E-Mail: trademission@german-irish.ie

Web: <https://www.german-irish.ie/en/>

SeaReenergy Offshore Holding GmbH & Cie. KG

Hagen Heesch

Alsterufer 26, 20354 Hamburg, Germany

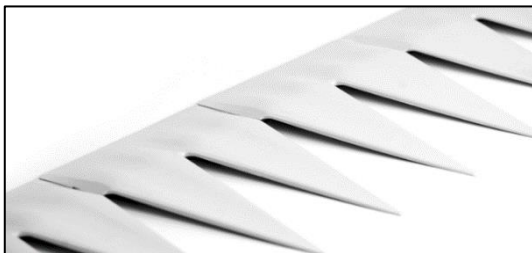
Mob: +49 (0)1716499964

E-Mail: h.heesch@elbeone.com

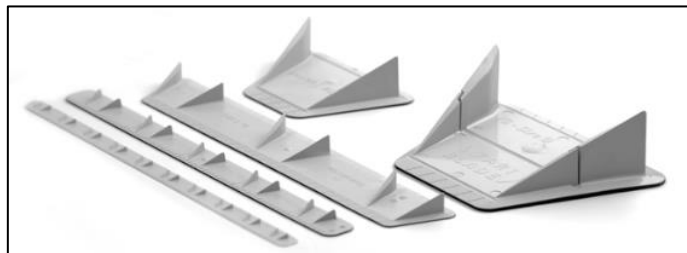
Web: <https://www.searenergy.com/>

SMART BLADE®

Smart Blade GmbH is a dynamic and innovative company active in the field of wind turbine aerodynamics. They offer the full range of aerodynamic blade add-ons for all turbine types, including their successful multi-size Vortex Generators, T-Spoilers, Gurney Flaps and Trailing Edge Serrations. Their add-on solutions can increase annual electricity production by an average of 2%. They have over 10 years of experience and their add-ons have been installed on over 3000 turbines worldwide.



Smart Blade's Serrations



Smart Blade's Vortex Generators

Smart Blade GmbH is specialised in enhancing wind turbine aerodynamics and upgrading their performance. They will support you at a very high engineering level, including feasibility studies, performance forecasts and performance evaluations.

- Multi-size Vortex Generators
- T-Spoilers
- Gurney Flaps
- Trailing Edge Serrations
- 2D and 3D Advanced airfoil simulations
- Experimental validation in the wind tunnel
- Load Analysis
- Structural Design

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Web: <https://www.german-irish.ie/en/>

Smart Blade GmbH

Ulrich Lang

Zuppinger Str. 5, 88213 Ravensburg, Germany

Tel: +49 751 9771 4445

E-Mail: u.lang@smart-blade.com

Web: <https://www.smart-blade.com/>

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