



K krecotec

COMPANY BROCHURE

SOLUTIONS FOR
GREEN HYDROGEN

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With decades of engineering expertise, primarily honed in the wind industry, we have founded krecotec in 2022 to offer our services to the emerging hydrogen sector. Recognizing the potential of hydrogen as a key player in the future of renewable energy, we are excited to bring our proven track record and innovative solutions to this dynamic and rapidly growing industry.

2022



krecotec has been founded

35MW+



Hydrogen project experience

7



Experienced engineers

100%



Focus on power supply and grid integration

TAILORED POWER SUPPLY SOLUTIONS FOR ELECTROLYZER APPLICATIONS

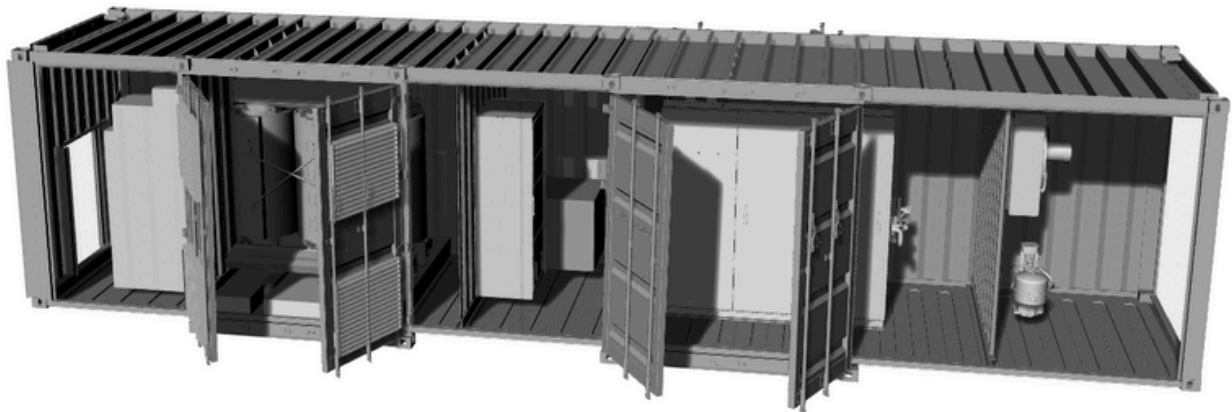
At krecoTec, we bring over 25 years of experience from the wind industry, an OEM-dominated market that demands the highest standards in power electronics. Unlike other industries, where offerings tend to be standardized, air-cooled, and often come with a larger footprint, krecoTec specializes in creating custom, project-specific power supply solutions tailored to the requirements of electrolyzer applications.

Our deep-rooted expertise in power electronics allows us to provide solutions that ensure optimal power supply and seamless grid integration for your electrolyzer systems. Whether you're navigating complex grid requirements or seeking to maximize efficiency in your hydrogen production, our solutions are designed with precision and reliability in mind.



With krecoTec, you're not just getting a power supply; you're having a local partner and system integrator, engineering solutions to meet the demands of your project. Trust us to deliver the customized solutions your electrolyzer systems deserve.

GRID SUPPORTING POWER SUPPLY



At krecotec we offer inverter solutions as single product up to full power supply solutions as SKID or as containerized solution. We offer both for outdoor or indoor applications - always equipped with an active-frontend IGBT based inverter to ensure future grid code compliance.

Our solutions are modular and can cover the full scope from the MV-switch, transformer, power electronics and heat-exchanger up to the DC connection, to ensure a hassle-free installation at site.

The modular design enables flexible project implementation within 500kW to multi-MW class.

6-7 months

for a prototype, after technical clarification

25 years

of experience incorporated in our solutions

100%

focus on IGBT-based active-frontend solutions

BEYOND HARDWARE: COMPREHENSIVE ENGINEERING FOR ELECTROLYZERS



At krecotec, we do more than just supply hardware; we partner with our customers every step of the way, providing a full suite of engineering services designed to ensure the success of your electrolyzer projects.

Our team will be working closely with you to create precise specifications for power supply systems and power electrical components tailored to your needs.

We analyze the requirements of grid operators and offer comprehensive solutions. By considering the entire system, we focus on optimizing the interaction between the grid, the grid rectifier, and the electrolyzer stack to ensure seamless integration.

krecotec also offers advanced simulation services to evaluate the systems behaviour under various grid conditions. With krecotec as your partner, you're equipped with not only a hardware solution but also the engineering expertise necessary to bring your project to life.

TAILORING

At krecotec, our customer approach is a streamlined process designed to deliver tailored solutions. From start to finish, we are committed to delivering solutions that perfectly match your project's demands.



01



INITIAL REQUIREMENTS ANALYSIS

We begin by thoroughly understanding your project's unique needs and technical requirements.

02



DEMAND DESCRIPTION

Next, we translate these requirements into a detailed demand description, ensuring all aspects are clearly defined.

03



SOLUTION FINDING

Our experts then develop customized solutions, focusing on efficiency, reliability, and seamless integration with your system.

04



IMPLEMENTATION

Finally, we support you through the implementation phase, ensuring smooth execution and long-term success.

THE TEAM

We pride ourselves on being a team of experienced engineers with a 100% focus on renewable energy. Our expertise spans across power supply solutions, inverter technology, and seamless integration into electrical grids. Driven by a passion for sustainable energy, we leverage our deep industry knowledge to deliver reliable, and efficient solutions that meet the challenges of today's energy landscape. Together, we are committed to powering a greener future.



MARTIN WILHELM

Co-Founder



ERIC HARTMANN

Co-Founder



KARSTEN WENZEL

Senior Electrical Engineer



ANDREAS EICHORN

Technical Support Engineer



NORBERT STENMANS

Manager Engineering and Service



MD ISTIAQUE HOSSAIN

Mechanical Engineer



DR. HOLGER WREDE

Power Electronics Control and Simulation

HYDROGEN INFORMATION



LOCATION

Dujardinstr. 5 | 47829 Krefeld

PHONE

+49 2151 3271482

EMAIL

info@krecotec.com

