

## Engineering

# Engineering Excellence for High-Performance IGBT and SiC Stacks

At krecotec, we specialize in the complete engineering of power electronic stacks, with a strong focus on both traditional IGBT technology and the latest SiC semiconductors. With decades of experience in demanding industries like wind power, we design stacks that deliver efficiency, reliability, and compactness.

Our engineering approach covers the full development cycle—from semiconductor selection to custom driver board design, cooling system integration, and validation. We prioritize liquid-cooled solutions, a proven standard in the wind industry for superior thermal performance and optimized footprint.

Whether you need a new stack design or want to upgrade an existing solution with SiC for next-gen performance, krecotec provides scalable, validated engineering tailored to your application.

**Power Electronics Engineered to Perform. Proven in the Field.**

## At a glance

- **Complete stack development: IGBT and SiC-based designs**
- **Custom driver board design, component selection, and layout optimization**
- **Liquid-cooled solutions for higher thermal efficiency and compact form factor**
- **Comprehensive validation of electrical, thermal, and mechanical performance**
- **Proven engineering capabilities—from concept to final prototype**

# krecotec – Expertise That Drives Renewable Power Forward

Founded in 2022, krecotec gives customers direct access to over 25 years of hands-on experience in converter technology. Our team of engineers has been active in the wind industry since 1991, bringing deep knowledge in engineering, power electronics, grid integration and service support.

We deliver more than just products—we provide tailored solutions, engineering services, remote support, technical training, and spare parts to keep your systems running reliably and efficiently.

**krecotec – Your partner for expert-driven power electrical solutions.**

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