

Keep your electrolyzers compliant and hydrogen production seamless

Merus Power | Hydrogen production and electrolyzers

Customer challenges in hydrogen production

Hydrogen production using electrolyzers presents significant challenges for power quality. These systems are known to be difficult loads, primarily due to their high reactive power demand and substantial harmonic current generation. As a result, ensuring compliance with strict grid codes can become challenging.

Tailored solutions for your needs

Merus Power provides tailored solutions to ensure your electrolyzer meets all power quality requirements. Our proven systems are designed to address the specific challenges of hydrogen production by combining active compensator technologies (STATCOM or Active Harmonic Filter) with filter capacitor banks to delivery optimal performance.

Why Merus Power?

- **Design and manufacturing in Finland:** Our solutions are designed and manufactured in Finland, ensuring the highest quality standards and reliability.
- **In-house development:** We develop our own control systems, including both software and hardware in-house, providing seamless integration and optimized performance.
- **Cyber security:** In critical infrastructure projects, such as systems affecting the functionality and reliability of the electric grid, the importance of Finnish involvement is also highlighted from a security of supply perspective.
- **15+ years of expertise:** With over 15 years of experience in power quality and electrical engineering, we bring deep technical knowledge to every project.
- **Global presence:** We have a strong local and international footprint with a comprehensive partner network.
- **Trusted company:** Merus Power has been publicly listed on NASDAQ OMX First North since June 2021, reflecting our commitment to transparency and trust.

Start optimizing with us

Take the first step toward optimizing your electrolyzer's power performance. We provide a thorough analysis of your power quality needs and recommend the ideal compensation system for your facility.

Contact Merus Power today for an assessment and tailored solution!

Merus Power Plc
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Segment

Hydrogen production and electrolyzers.

Our tailored solutions

- Static Synchronous Compensator (Merus® STATCOM)
- Active Harmonic Filter (Merus® A2)
- Filter Capacitor Banks (Combined with Merus® STATCOM or A2)



Your Merus Expert



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