

the power to control

bachmann.

Your Fast Track to the European Energy Market

Trusted. Certified. Accepted.



 [energy.industry.maritime.](http://energy.industry.maritime)

Accelerate Your Entry into the European Energy Market

From component supplier to accepted European solution provider.

Certified grid-compliant solutions, trusted European technology and local integration expertise – enabling international energy and storage manufacturers to scale successfully across Europe.

Europe offers significant growth opportunities for energy storage and renewable energy manufacturers. However, market entry is often slowed down by regulatory complexity, certification requirements, grid compliance obligations and limited trust in unfamiliar technologies.

Bachmann electronic helps bridge this gap. With proven European control and integration solutions, according to VDE-AR-N 4110/4120/4130 and EN50549-2 certified grid-compliance technology and local engineering expertise, we enable manufacturers and system integrators to accelerate market access, reduce project risk and increase acceptance among European operators and utilities.

Our solutions provide the trusted technology layer required to transform innovative products into market-ready European energy solutions and performance.

Market-Ready Technology for European Grid Integration:

Smart Power Plant Controller (SPPC)

Central control platform for grid compliance, plant control and system integration.

- Ready-to-deploy European solution
- Proven compliance with European grid requirements
- Reduced engineering effort
- Faster certification and project execution
- Scalable for utility-scale energy storage applications
- Configuration and diagnostics via web-based user interface
- Built-in power industry protocols: Modbus TCP/RTU, IEC60870-5-101/104, IEC61850 (MMS/GOOSE), IEC61400-25, DNP3, OPC-UA, MQTT

Web-based user interface for easy configuration and diagnostics



Grid Modules

Integrated grid measurement and monitoring capabilities required for grid connection and compliance.

- Accurate grid measurement (1 mHz)
- Controller-integrated measurement supports fastest value access also for regulation processes
- Robust and reliable hardware components from an automation system expert
- Component certification according to VDE4110/4120, EN50549-2, G99 (UK) and IEEE 37.90 (USA)

SIMULATION & CERTIFICATION SERVICES

Simulation models and studies supporting asset certification and grid approval processes.

- MATLAB® models
- DigSILENT PowerFactory® models
- PSCAD model
- FMU model
- Grid compliance studies
- Certification support

ENGINEERING & SUPPORT

European and Chinese engineering teams supporting implementation and project delivery.

- System integration
- Commissioning support
- Technical enablement
- Lifecycle support

CERTIFIED FOR EUROPEAN GRID REQUIREMENTS

Bachmann solutions support compliance with major European grid codes and certification requirements, helping manufacturers reduce regulatory risk and accelerate project approval.



YOU WILL FIND MORE INFORMATION ON bachmann.info



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