



Intelligent Peak Load Caps

FINALLY, UNLIMITED DEVELOPMENT



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During the summer months, greenhouses require up to 2.6 MWh of energy daily to stay cool and dry. The energy management system, which consists of a grid connection, a PV system, and a battery, is supplemented by a generator equipped with a Bachmann M200 controller and a GSP274 grid recording, synchronization, and protection module. Thanks to web technology, access is either direct from the HMI or remote from any browser.

HOB AGGREGATEN

- Develops silent generators from 10 to 2,000 kVA
- Customized, intelligent control systems
- Established in 1983, based in Lopik (Netherlands)

www.hob-aggregaten.nl

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HOB Aggregaten in Lopik, the Netherlands, is known for generators with control solutions that are precisely tailored to customer needs. This customization requires a flexible control system and versatile engineering capabilities.

HOB was reaching the limits of its previous solution. Control and network measurement were implemented on systems from two different manufacturers. For its latest "Stage V" generators, the Dutch company chose an integrated system from Bachmann. "With a powerful processor and the GSP274 module, Bachmann combines network detection, synchronization, and protection – directly on the controller. This eliminates annoying delays between setpoint setting and network measurement, as well as the synchronization problems we had to contend with," says Mark Boere, an electrical engineer at HOB Aggregaten.

HOB puts their heart and soul into developing each individual customer application. Bachmann's SolutionCenter gives them the freedom to do so. HOB was able to replicate the pre-existing control algorithms without any issue. "More importantly, we can now implement system optimizations that were previously impossible because the control system had reached its limits, we were hindered by slow communication, or manufacturers didn't consider these functions profitable for our small field of application," says Boere.

In addition to generators, HOB plans to develop customer-specific battery solutions. "With Bachmann's future-proof solution, we are confident that we can create outstanding solutions that are not yet available on today's market," says Mark Boere.



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