EASY, SAFE AND RELIABLE

CASE STORY: AGC-3 AND RMB
In 2009, Energyst Cat® Rental Power decided to upgrade 12 rental gensets with a control concept from DEIF. According to Tactical Application Manager, Joost van Driel, DEIF’s role was crucial to the project’s success.

»DEIF’s thorough understanding of the rental market and various applications was extremely useful to us«, the senior manager acknowledges. »Their knowledge, combined with the technology of the AGC-3 and the RMB, has enabled us to really move forward«, he says.

Quick setup and removal
Mr Van Driel oversaw the entire modernisation process of the 12 rental gensets. In his expert opinion, the units have become much easier to operate since the upgrade. Customers too can now operate their own rental units without assistance from Energyst’s engineers.

How so? Simple: by using the push-buttons next to the display on the AGC-3 unit, even relatively inexperienced operators can add and remove gensets according to preference. The quick setup and removal feature works on up to 80% of Energyst’s service applications. The remaining 20% require just minor software modifications to work. As a consequence, Energyst expects great future benefits from the feature.

»This controller fits right into the kind of business we are doing. It is really value for money«, Mr Van Driel commends.

Genset maintenance at no risk
Another useful part of Energyst’s new control concept is the Remote Maintenance Box, RMB. Mr Van Driel explains that the RMB was developed especially for his gensets. During substation maintenance operations, the RMB allows service engineers to monitor the AGC-3 controller from a safe distance of up to 300 meters. The remote location enables engineers to ensure that the genset is stable and in sync with the mains supply, before switching to the generator. The RMB ensures that nobody is exposed to any risk.

Future cooperation very likely
Because of his longstanding experience with DEIF and a series of thorough application tests, including a live one, Mr Van Driel has complete confidence in his AGC-3 solution and
the support behind it. As for DEIF’s communicative approach, he finds the company’s open way of sharing information very appealing. Even specific questions about protocols, for instance, are always answered. Does that mean he will want to work with DEIF again? “Of course, he replies with emphasis. “DEIF really understands how we work.”

**It is that easy**
DEIF’s rental control concept has made life a lot easier for Energyst’s engineers. Here are two examples of what the concept can do for your work routines:

– Sync to your genset: Connect your genset to the RMB and start up the generator using the ‘function select’ dial. When the genset is in sync, the breaker will close and the generator will start to take load. Now, you can deload the mains. When the mains power reaches zero, you can switch off the breaker or remove the fuses. The main has been disconnected. You are now able to carry out repair or service.

– Sync to mains: Turn the ‘function select’ dial to ‘synchronisation to mains’. When the static sync is complete, you are ready to close the mains breaker or connect the fuses. The generator will then start to deload and the generator breaker will open. You can now stop the generator.

The diagram shows one of Energyst’s applications. The RMB box is connected to the AGC-3 inside the container through a CANbus cable. The distance makes it easy and safe to control the gensets and to maintain the transformers.
Founded in 1933, DEIF has more than 75 years of experience. Today, we are active on the international markets for engine & genset controls, marine bridge instrumentation, switchboard instrumentation and renewable energy controls.

It is our ambition to maintain and expand our position as one of the most trusted suppliers within our fields of operation. This goal will be reached by ensuring that DEIF continues to offer real competitive advantages to our customers by supplying superior product quality, the best and most flexible features and competitive pricing.