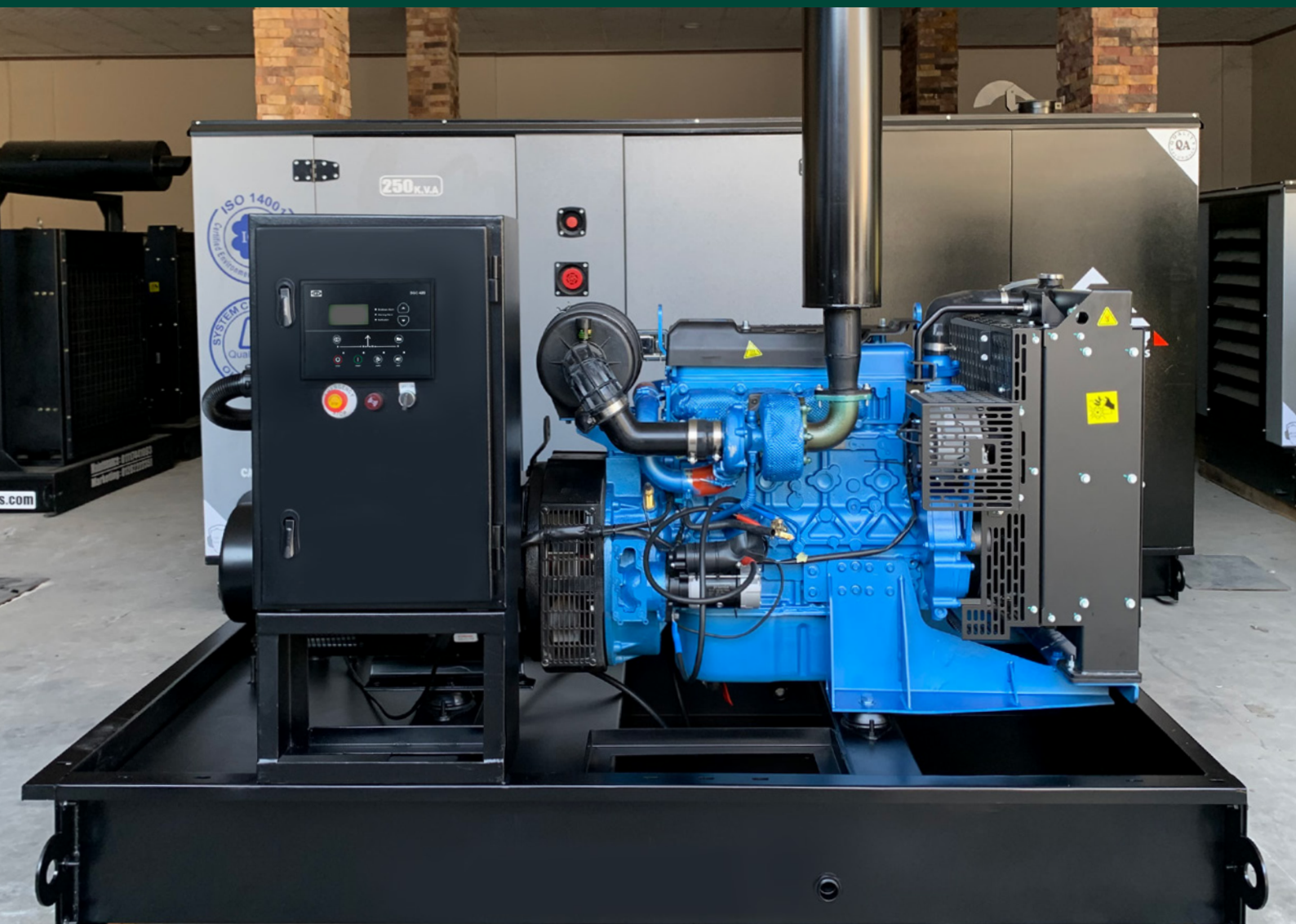
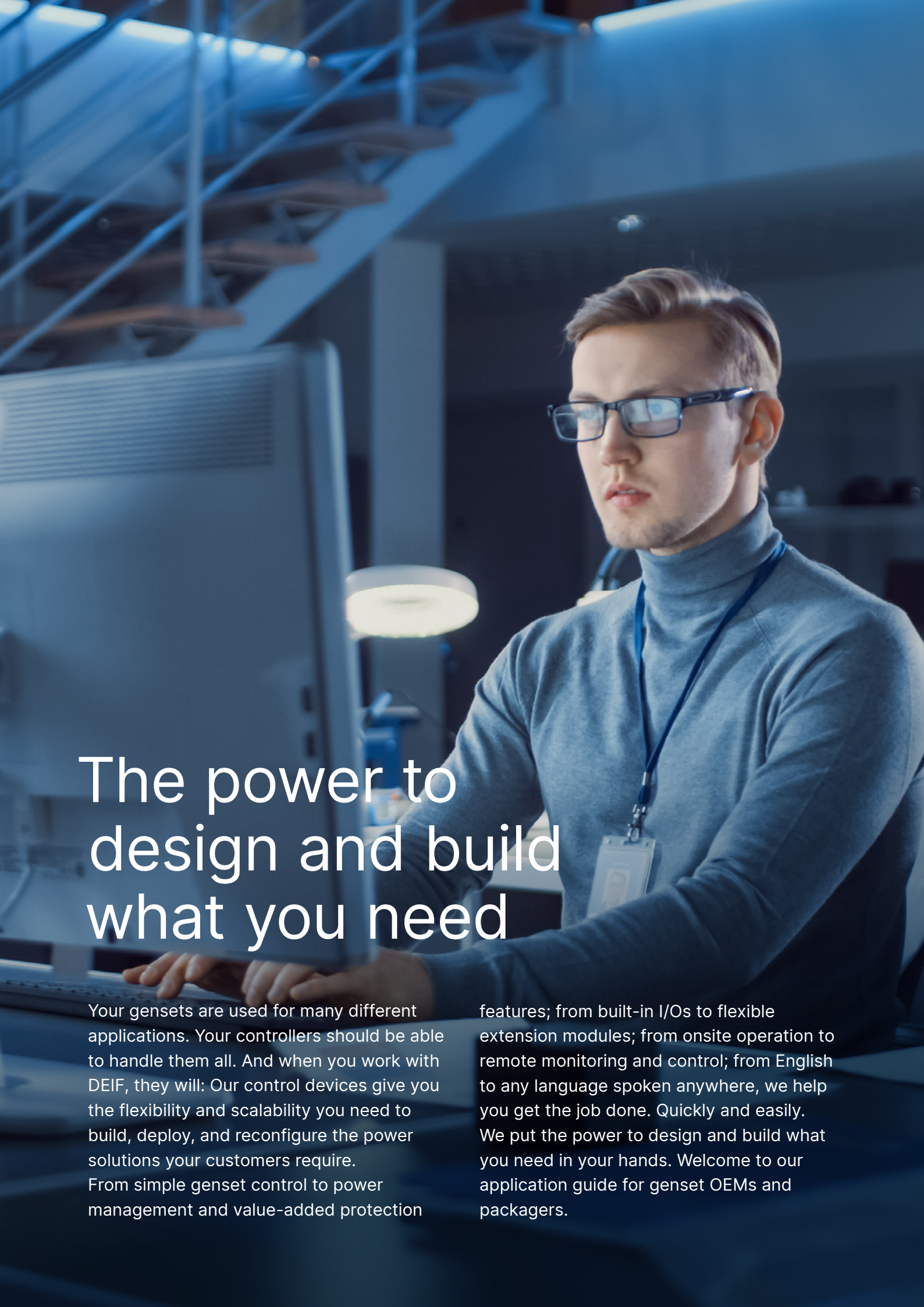
Genset manufacturing/ packaging

Powered to design tailored generator solutions

DEIF Improve Tomorrow

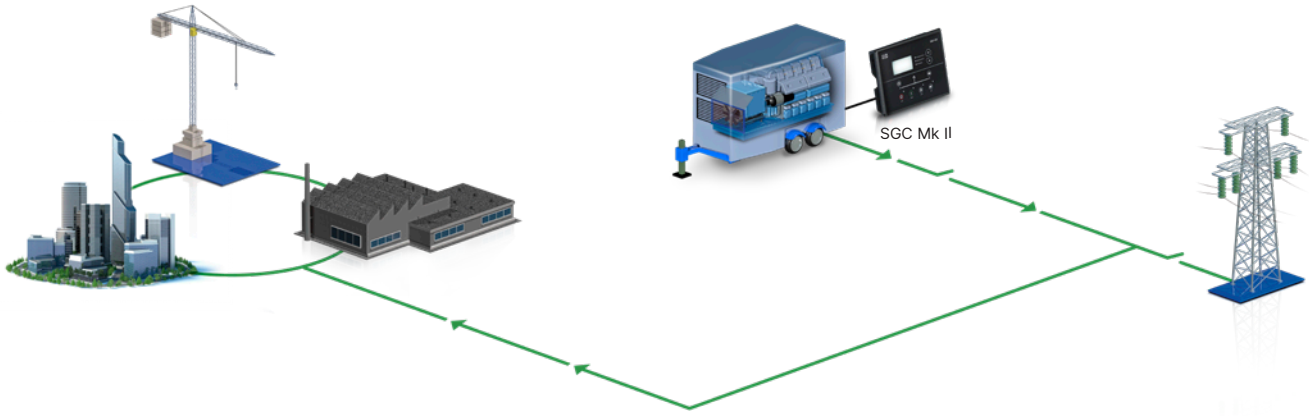




The power to design and build what you need

Your gensets are used for many different applications. Your controllers should be able to handle them all. And when you work with DEIF, they will: Our control devices give you the flexibility and scalability you need to build, deploy, and reconfigure the power solutions your customers require.
From simple genset control to power management and value-added protection features; from built-in I/Os to flexible extension modules; from onsite operation to remote monitoring and control; from English to any language spoken anywhere, we help you get the job done. Quickly and easily.
We put the power to design and build what you need in your hands. Welcome to our application guide for genset OEMs and packagers.

The SGC Mk II series



The SGC Mk II controller series is designed for controlling a single genset or engine where synchronisation and power management are not required. Easy to configure, install, and commission, it gives you all necessary features for reliable and cost-effective control solutions.

Multiple engine profiles
The controllers are compatible with many different engines and gensets. You can configure 10 engine profiles and quickly switch between them, saving developing and configuration time as you do not need to reprogram the controller for each engine.

Any UI language
You can build display messages and prompts in any language for the device UI and for the Smart Connect utility software, supporting any language in any export market without waiting for a third party to develop a language pack.

Easy custom logic
The M-Logic feature lets you customise your controller using logical and analogue comparator rungs to build custom logic and alarm functions, for example to comply with last-minute customer demands for more relay outputs or alarms.

Live data supervision
You can supervise and log live data through a standard USB connection. You do not need to enter a configuration mode to view the data, you can select any data to monitor, and you can save data on favourite data lists for future use.

Configuration compare tool
You can quickly search for configuration parameters and navigate to them. You can even compare your commissioning configuration file with the default values, and you can load the default parameters of any released SGC version.

Key features

- → Up to 16 digital inputs, 7 analogue inputs, and 7 digital outputs
- → Supports multiple applications Like Engine Drive, Genset Start/Stop, Auto Mains Failure (AMF), BTS (Telcom Application) etc.
- → Inbuilt PLC features like custom discrete logic (M-Logic) & analog comparator.
- → Inbuilt multiple languages with flexibility to add different language or customise existing.
- → Inbuilt Modbus RS485 / CAN bus communication.
- → Compatible with wide range of ECU meeting latest pollution specification like Tier 4 / Stage V engines.

DEIF controller features add value for ATOS Generators

Fast commissioning and programming, built-in Modbus, and great support

“We are using the DEIF SGCs for small to medium engines, from 15 to 600 kVA,” explains Technical Solution Engineer Rami Mansour of ATOS Generators. “It offers fast commissioning and programming; we can program the whole system in 10 to 15 minutes. It has a user-friendly interface for the customer which uses symbols to show things like over-temperature.”

ATOS Generators offers a wide range of generators, plus services such as commissioning and maintenance. Looking for development opportunities, the company started sourcing DEIF controllers in 2019. Rami Mansour praises the SGC controller series for its built-in Modbus protocol – and DEIF in general for the technical support.

“If I request anything, or if I need anything, they’re very fast,” he says. “The support is really one of the most important things about DEIF.”

“The support is really one of the most important things about DEIF.”

Rami Mansour
Technical Solution Engineer

ATOS Generators

Founded in Egypt in 1986, ATOS Generators designs, builds, installs, and supports gensets and other power plants for government, agricultural, industry, and construction customers.

Read full case story here

How do you know that you can trust your DEIF product? Because we have tested it – rigorously.

Constantly checking that our devices will keep working

If you are building resilient genset solutions, your controller should not be the weakest link: We test our devices rigorously to verify their ability to keep working, even in harsh operating conditions.

We subject them to fires, water sprays, extreme temperatures, overvoltage, bumps, and electromagnetic disturbances. As a result, we know that they will keep working, on land or at sea – to the benefit of your customers, and ultimately to your benefit, too.

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DEIF A/S
Frisenborgvej 33
DK-7800 Skive

+45 9614 9614
info@deif.com
deif.com