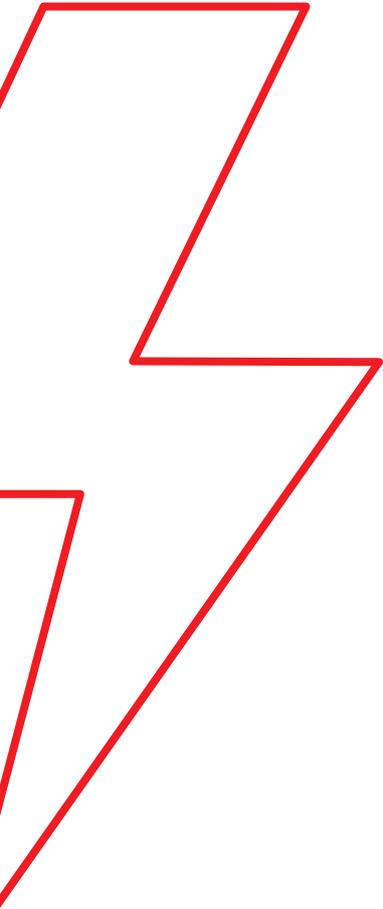


ComAp 
The heart of smart control

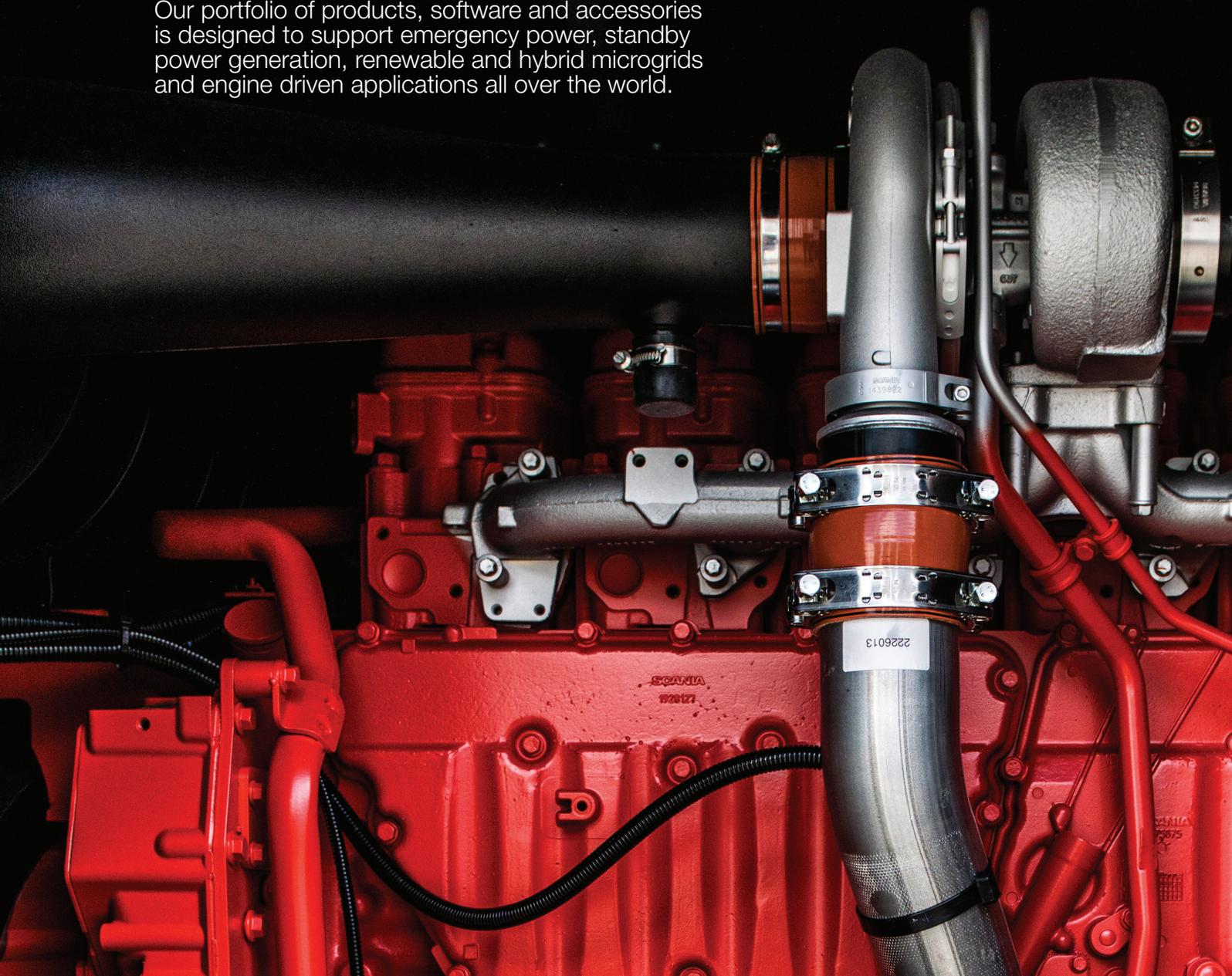


**Single Gen-set
Control Solutions**

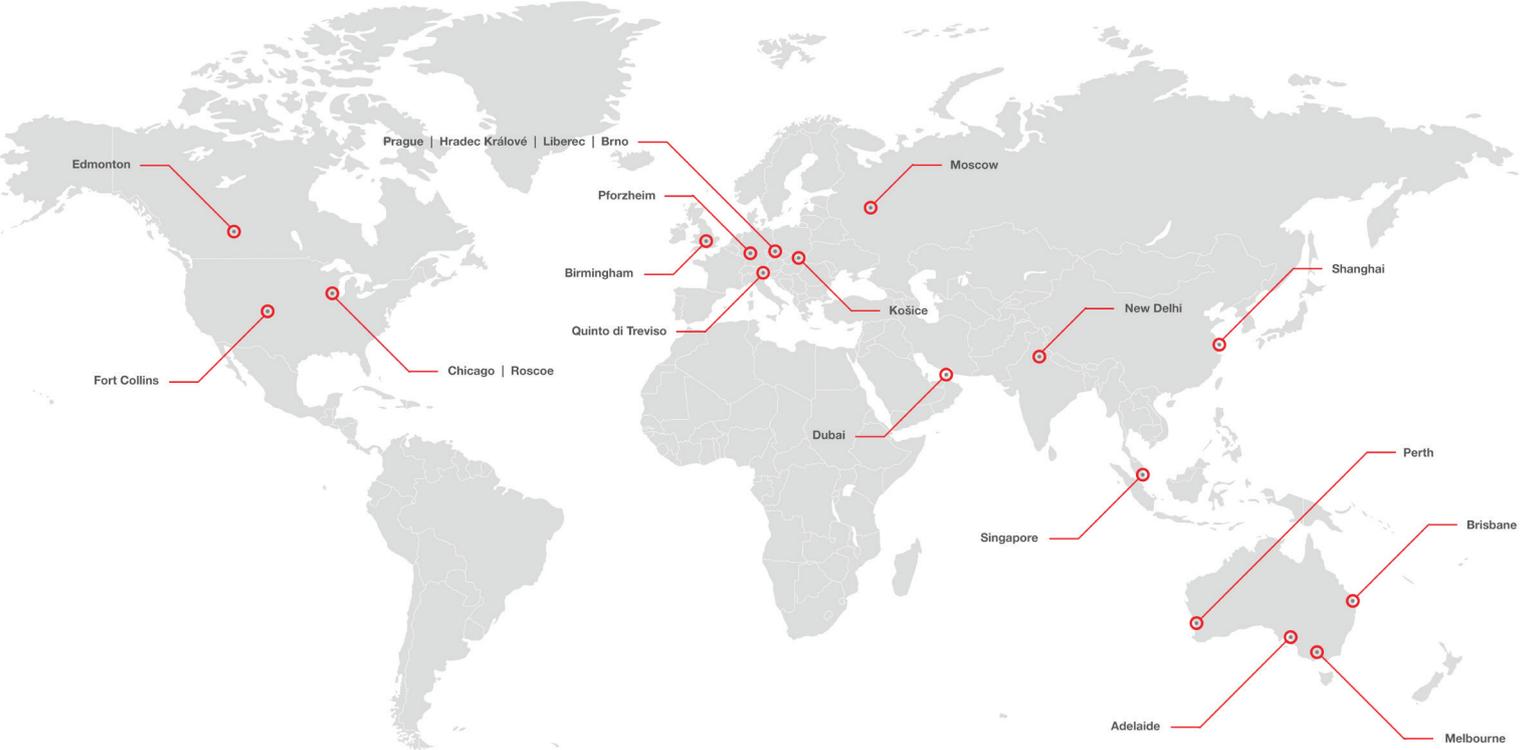


**Power
wherever
you need it**

ComAp ► specialises in creating electronic control and management solutions for use in the power generation industries and drive power markets. Our portfolio of products, software and accessories is designed to support emergency power, standby power generation, renewable and hybrid microgrids and engine driven applications all over the world.



Offices



400+ Employees



21 Offices



60+ Distributors

Single Gen-set Control Solutions

Standby and Prime Power Applications

Single gen-set solutions present the first step to the world of ComAp's high quality power generation control systems. Our mission is to build on the experiences gained in complex, high-end applications, and transfer them into a range of powerful, yet simple, intuitive products dedicated to single gen-set applications.

We have launched the fourth generation of one of the world's most successful controllers in its class, **InteliLite**.

InteliLite is a product family designed for standby and prime power applications where there is no need for synchronization. The full range of models provides end users with excellent flexibility and choices, with special emphasis on communications and user experience.

Application Examples



Light towers



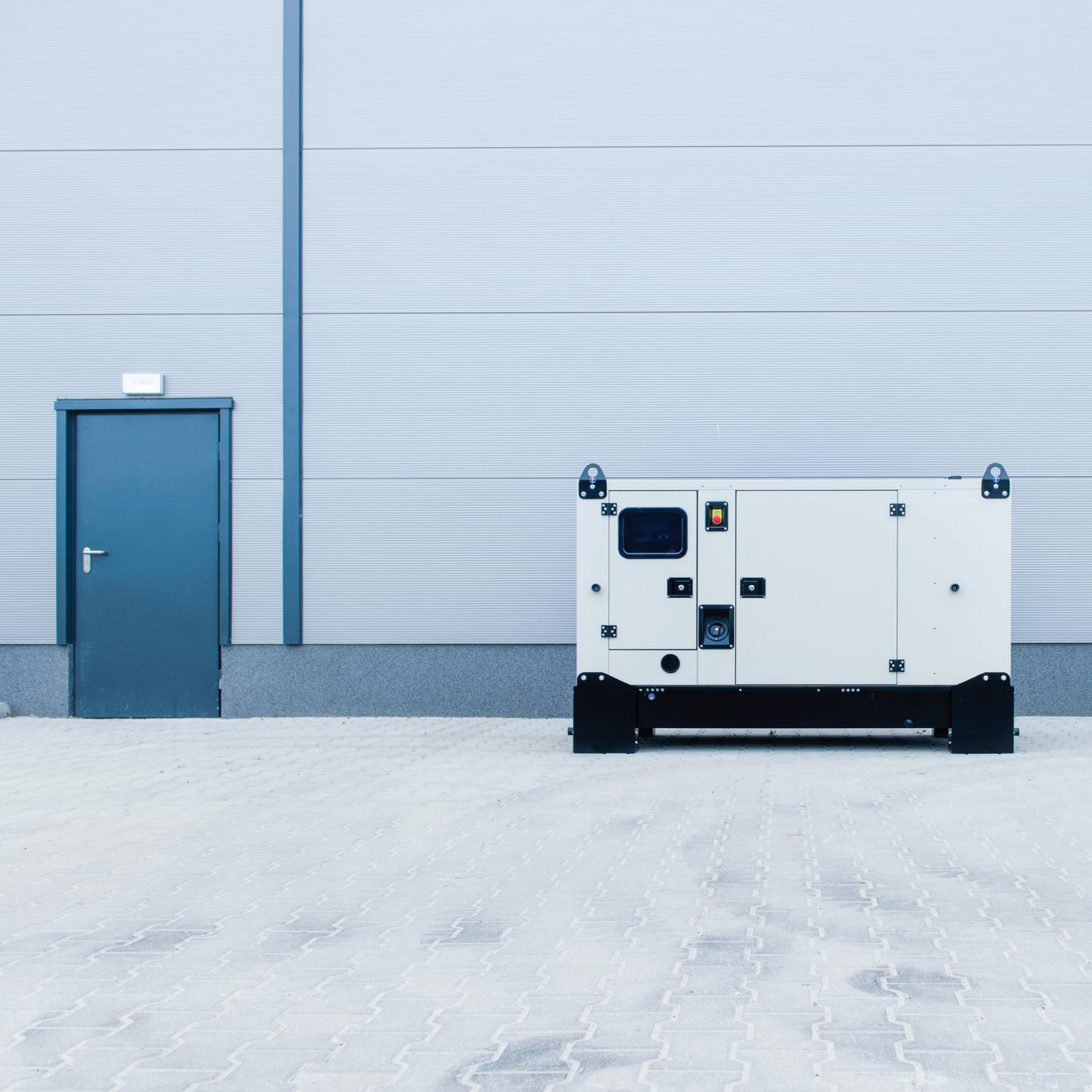
Construction & Mining



Telecom



Commercial



Key Benefits

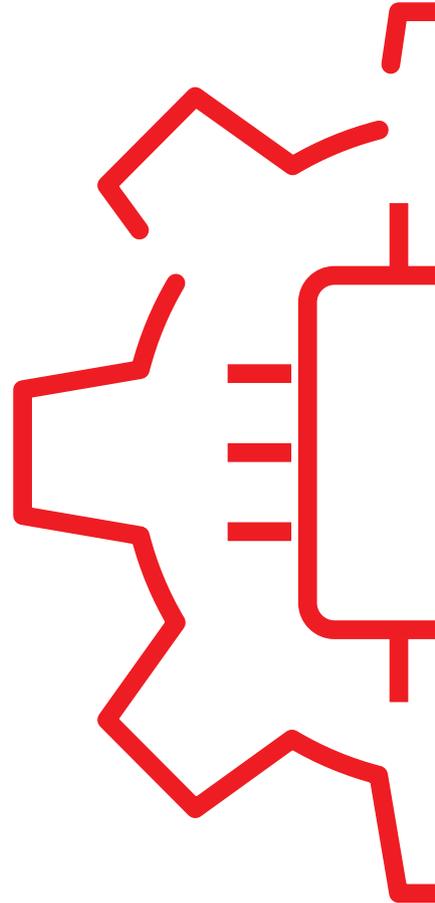
Enabling customers to meet any application requirements.

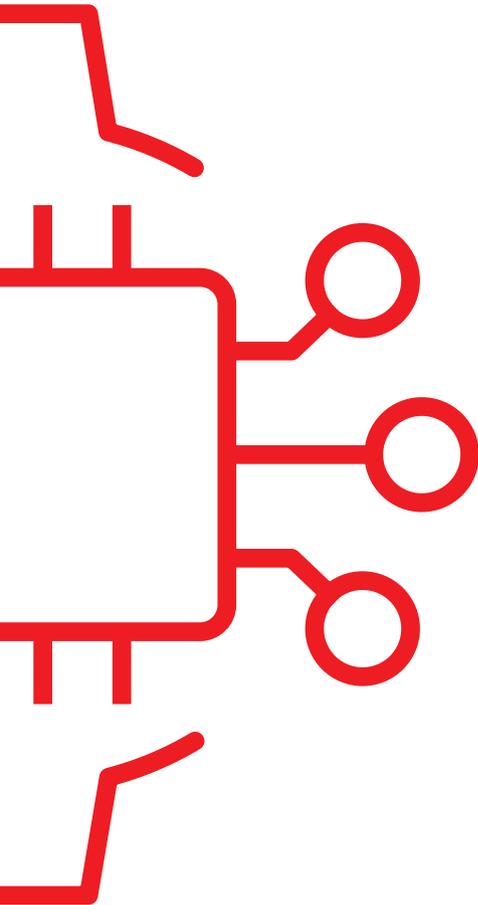
Easy-to-use and Flexible

- > If it is easy-to-use, then it saves time and if it saves time, then it saves money!
- > This family of controllers comes with new and very intuitive PC software.
- > The PC software has many pre-defined functions and settings to make the configuration process easier, while at same time also provides you with the freedom to define the controller settings yourself.
- > The built-in PLC allows you to respond to more complex and specific installation needs by saving you the cost of an external PLC solution.
- > ComAp's PLC is so easy to use that you'll be able to come up with what you need from the very start.

Quality

- > All of our products are designed to meet or even exceed quality and safety standards. This guarantees the reliability of our products, reduces maintenance costs and gives you the peace of mind you deserve.





Communication

- > We understand that it is important for you to highlight your brand and therefore, we are open and willing to agree with you by offering a tailored solution on a case-by-case basis.
- > The PC software has many pre-defined functions and settings to make the configuration process easier, while at same time also provides you with the freedom to define the controller settings yourself.
- > AirGate technology helps you easily connect to the device even if you know nothing about the provided IP-address.

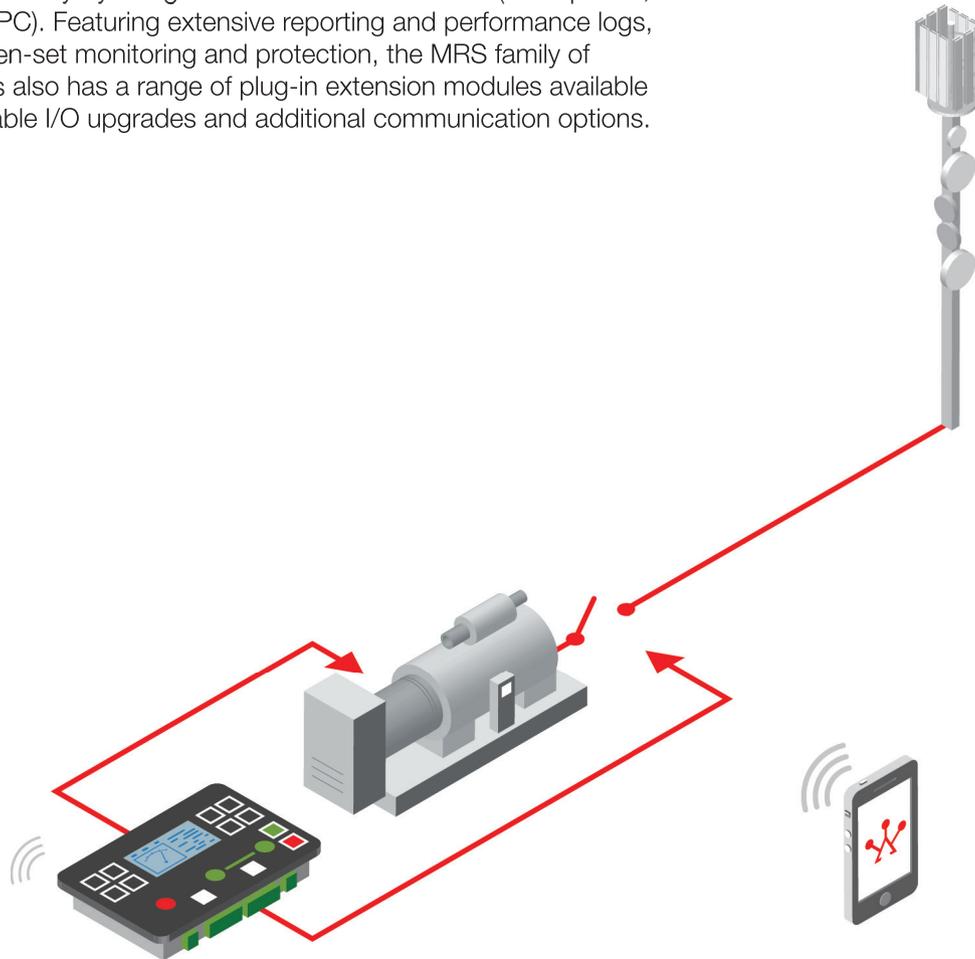
Customization

- > Have the gen-set under your watch and basically control it from anywhere using our wide offer of communication capabilities. Save significant amounts of money by only sending technicians to the site only when needed.
- > Being an expert in your field you may have some special functional requirements from your device. We are open to discuss these with you and how to best connect them with the ComAp controller.

The MRS Solution

Manual or Remote Start

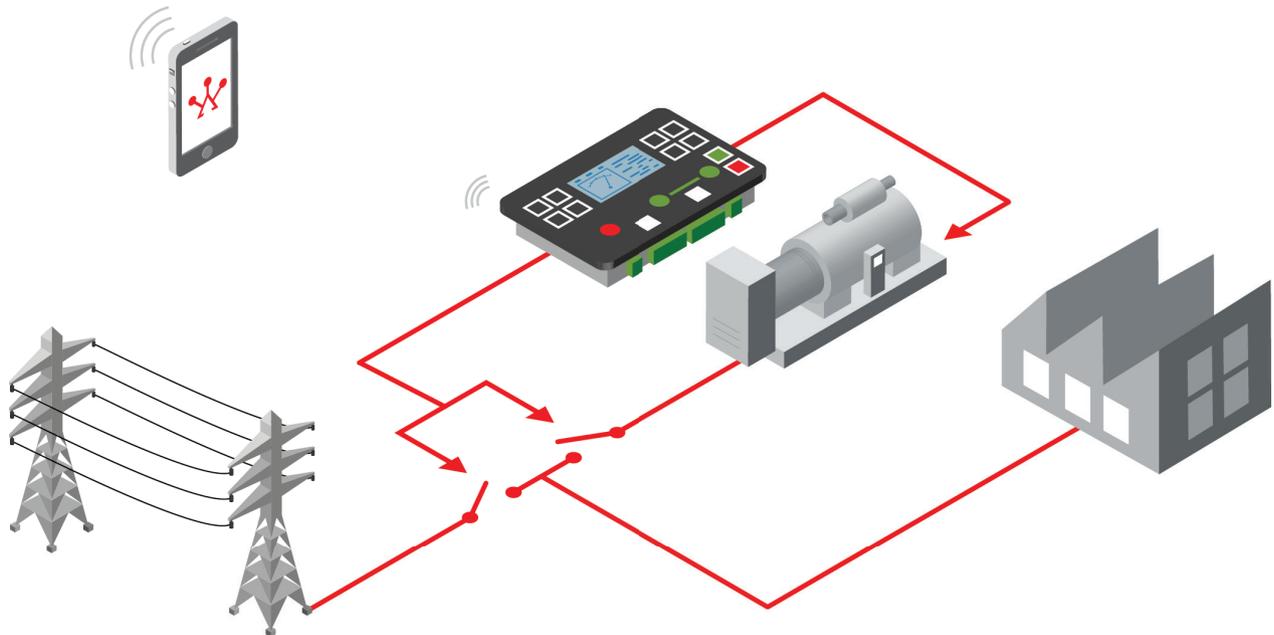
ComAp's MRS family of controllers allow you to effectively operate, monitor and control a single gen-set, either manually on the gen-set itself or remotely by using an Internet enabled device (smartphone, tablet, or PC). Featuring extensive reporting and performance logs, with full gen-set monitoring and protection, the MRS family of controllers also has a range of plug-in extension modules available which enable I/O upgrades and additional communication options.



The AMF Solution

Automatic Mains Failure

ComAp's AMF (Automatic Mains Failure) family of controllers allows you to effectively operate, monitor and control a single gen-set operating in stand-by mode. As well as full gen-set monitoring and protection, outstanding EFI engine support, and featuring extensive reporting, it also includes performance logs, the AMF family of controllers and range of plug-in extension modules available which enable I/O upgrades and additional communication options.



InteliNano MRS 3

Gen-set Controller with 3 Phase
Voltage & Current Measurement



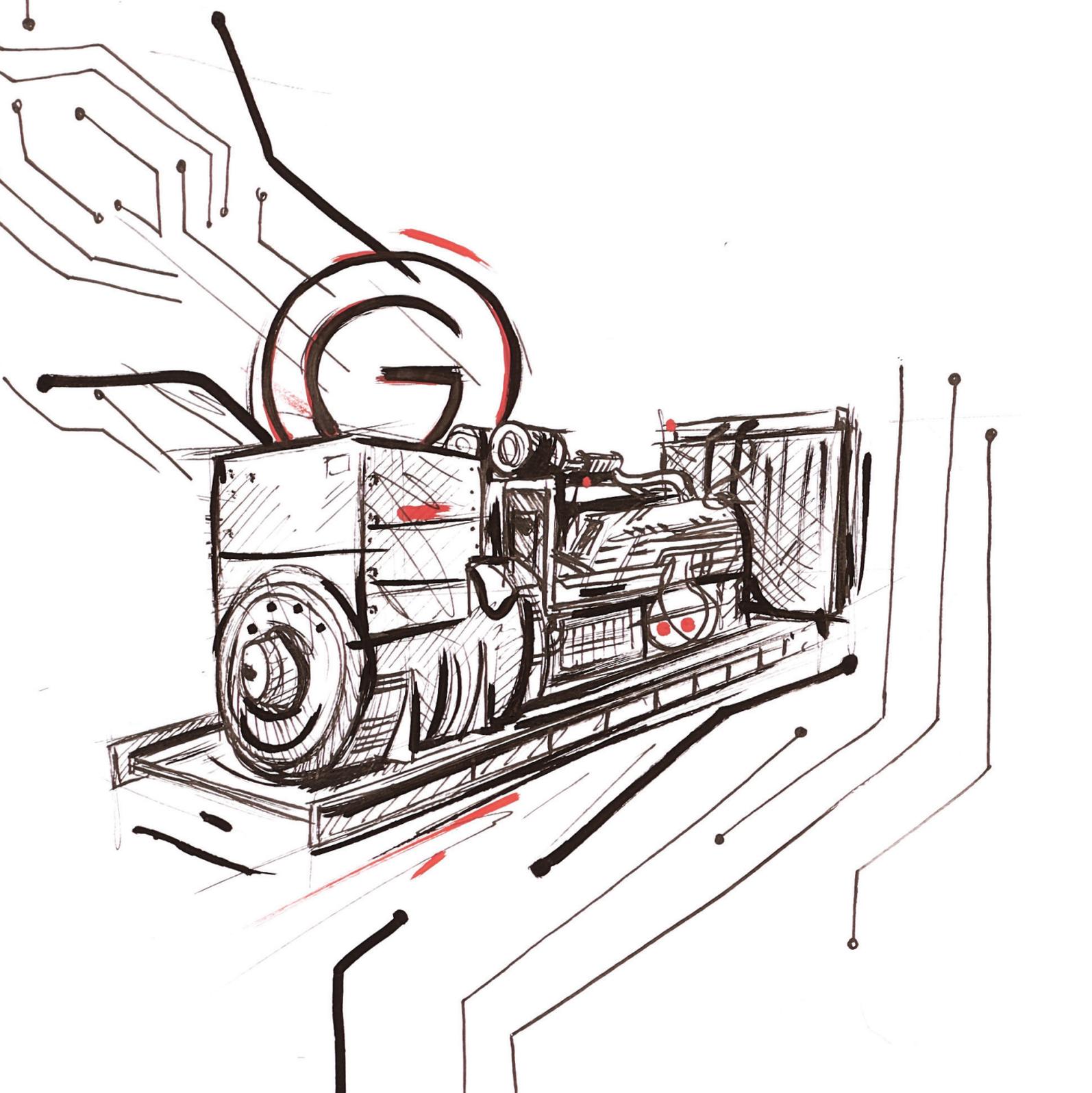
- > Controller for single gen-set operating in prime power applications
- > 3 Phase generator voltage & current measurement
- > Power measurement and energy counters
- > Connection type and voltage auto detect
- > Generator and engine protections
- > Symbolic interface
- > Automatic or manual GCB control
- > "Zero" power consumption mode
- > Battery voltage, Service time and Running hours indication
- > Automatic recharge of batteries
- > Configurable via front panel
- > Light Tower mode supported
- > Event log (15 events)
- > Up to 6 inputs / Up to 6 outputs
- > 2 high current outputs, for Starter and Fuel Solenoid, internally connected to the Emergency Stop input
- > D+ pre-excitation terminal
- > Magnetic pickup
- > ECU support (CAN J1939)
- > USB one-cord power supply and programming
- > License free PC configuration software (NanoEdit)
- > Standard cut-out dimension 96 × 96 mm
- > Outside dimension 110 × 100 mm
- > IP 65 (if optional gasket is used)

InteliNano^{NT} Plus

AMF and MRS Controller with Current Measurement and Support of EFI Engines

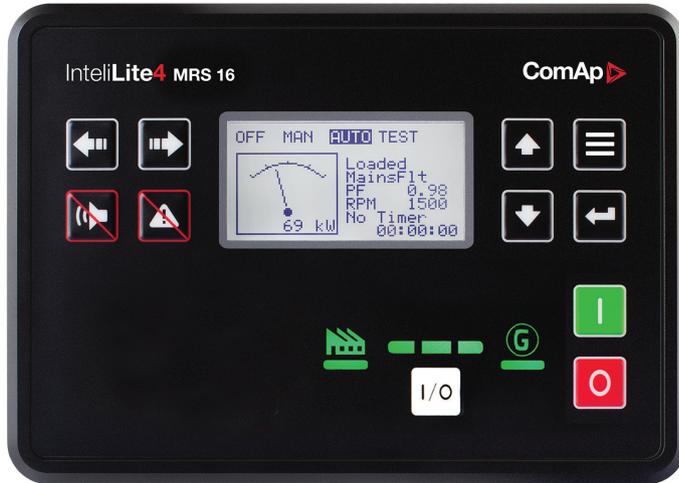


- > AMF and MRS controller in one model
- > 1/3 Phase generator voltage measurement (3/3 phase when used as MRS controller)
- > Phase generator current measurement
- > Phase mains voltage measurement
- > Connection type and voltage auto detect
- > Various generator and engine protections
- > Icon menu, no text
- > Automatic or manual MCB and GCB control
- > "Zero" power consumption mode
- > Battery voltage, Service time and Running hours indication
- > All setpoints and I/Os configurable via front panel
- > Light Tower mode supported
- > Event log (10 events)
- > Up to 3 analog inputs (shared with binary inputs)
- > COM terminal for analog measurement
- > Up to 6 binary inputs (1 binary input is shared with binary output)
- > 2 high side – high current outputs, 4 high side binary outputs
- > D+ pre-excitation terminal
- > ECU support (CAN J1939)
- > USB one-cord power supply and programming
- > Standard cut-out dimension 96 × 96 mm
- > Outside dimension 118 × 108 mm
- > JP 65



InteliLite 4 MRS 16

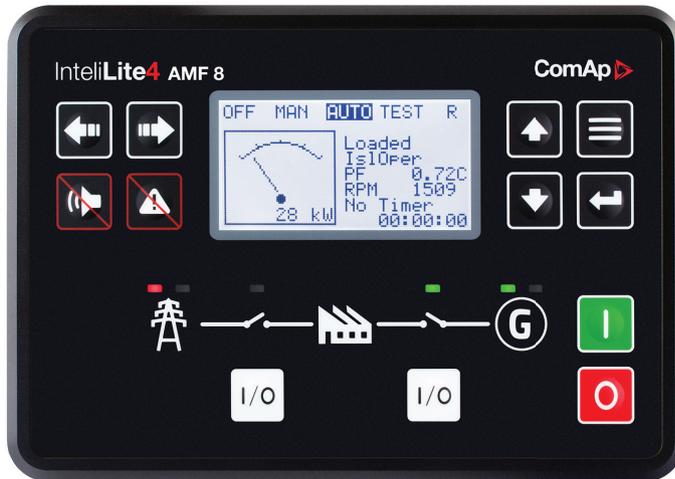
Advanced single gen-set controller for prime-power applications



- > Backlit symbols
- > 8 binary outputs, 8 + 1 binary inputs, 4 analogue inputs (U/I/R)
- > +5V output reference for analogue inputs
- > 2 high-current binary outputs
- > USB Host
- > Inbuilt RS485
- > 2 slots for extension plug-in modules (Modbus, Internet, SMS, inputs/outputs)
- > Extension CAN modules
- > ECU support (Tier 4 Final, Stage V)
- > RTC with battery back-up (full calendar)
- > Power over USB for controller configuration
- > Zero power mode
- > True RMS measurement
- > In-built PLC, complemented with a PLC monitoring tool in InteliConfig
- > Full remote communications support (AirGate 2.0, WebSupervisor)
- > Internet access using Ethernet / 4G, Modbus TCP/RTU, SNMP v1/v2c
- > Active SMS and emails
- > Detailed history log with up to 350 records
- > Dual Mutual Standby application support
- > Remote display
- > User setpoints and protections
- > 5 languages in the controller & Translator functionality
- > User Access Management
- > Cyber security improvement
- > Alternative configurations
- > Multi-purpose schedulers
- > Modbus register mapping possibility
- > Load shedding, dummy load management
- > User buttons
- > Geofencing based on GPS position
- > Cut-out: 187 mm x 132 mm (as InteliGen 200)
- > Available also in low temperature version (Order code: IL4MRS16XBLA)

InteliLite 4 AMF 8

Single gen-set controller for stand-by and prime-power applications



- > Stand-by and prime-power application in one unit
- > 6 binary outputs, 6 + 1 binary inputs, 3 analogue inputs (U/I/R)
- > +5V output reference for analogue inputs
- > 2 high-current binary outputs
- > 1 slot for extension plug-in modules (Modbus, Internet, SMS, inputs/outputs)
- > Extension CAN modules
- > ECU support (Tier 4 Final, Stage V)
- > RTC with battery back-up (full calendar)
- > Power over USB for controller configuration
- > Zero power mode
- > True RMS measurement
- > In-built PLC, complemented with a PLC monitoring tool in InteliConfig
- > Full remote communications support (AirGate 2.0, WebSupervisor)
- > Internet access using Ethernet / 4G, Modbus TCP/RTU, SNMP v1/v2c
- > Active SMS and emails
- > Detailed history log with up to 150 records
- > Remote display
- > User setpoints and protections
- > 5 languages in the controller & Translator functionality
- > User Access Management
- > Cyber security improvement
- > Alternative configuration
- > Multi-purpose schedulers
- > 3 maintenance timers
- > Modbus register mapping possibility
- > Fuel pump management
- > Run Hours source selector
- > Cut-out: 172 mm × 112 mm

InteliLite 4 AMF 9

Single gen-set controller for stand-by and prime-power applications



- > Stand-by and prime-power application in one unit
- > 8 binary outputs, 8 + 1 binary inputs, 3 analogue inputs (U/I/R)
- > +5V output reference for analogue inputs
- > 2 high-current binary outputs
- > 1 slot for extension plug-in modules (Modbus, Internet, SMS, inputs/outputs)
- > Extension CAN modules
- > ECU support (Tier 4 Final, Stage V)
- > RTC with battery back-up (full calendar)
- > Power over USB for controller configuration
- > Zero power mode
- > True RMS measurement
- > In-built PLC, complemented with a PLC monitoring tool in InteliConfig
- > Full remote communications support (AirGate 2.0, WebSupervisor)
- > Internet access using Ethernet / 4G, Modbus TCP/RTU, SNMP v1/v2c
- > Active SMS and emails
- > Detailed history log with up to 150 records
- > Dual mutual standby application
- > Remote display
- > User setpoints and protections
- > 5 languages in the controller and Translator functionality
- > User Access Management
- > Cyber security improvement
- > Alternative configuration
- > Multi-purpose schedulers
- > 3 maintenance timers
- > Modbus register mapping possibility
- > Fuel pump management
- > Run Hours source selector
- > Cut-out: 172 mm x 112 mm (as IL-NT family)

InteliLite 4 AMF 20

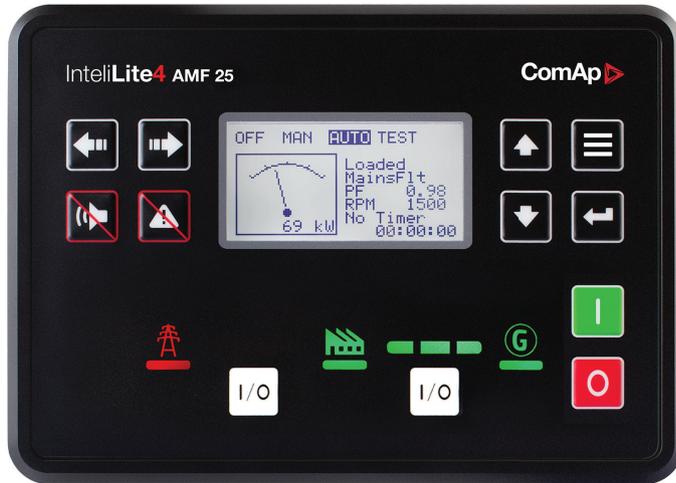
Advanced single gen-set controller for stand-by and prime-power applications



- > Stand-by and prime-power application in one unit
- > Backlit symbols
- > 6 binary outputs, 6 + 1 binary inputs, 3 analogue inputs (U/I/R)
- > +5V output reference for analogue inputs
- > 2 high-current binary outputs
- > USB Host
- > 2 slots for extension plug-in modules (Modbus, Internet, SMS, inputs/outputs)
- > Extension CAN modules
- > ECU support (Tier 4 Final, Stage V)
- > RTC with battery back-up (full calendar)
- > Power over USB for controller configuration
- > Zero power mode
- > True RMS measurement
- > In-built PLC, complemented with a PLC monitoring tool in InteliConfig
- > Full remote communications support (AirGate 2.0, WebSupervisor)
- > Internet access using Ethernet / 4G, Modbus TCP/RTU, SNMP v1/v2c
- > Active SMS and emails
- > Detailed history log with up to 350 records
- > Remote display
- > User setpoints and protections
- > 5 languages in the controller and Translator functionality
- > User Access Management
- > Cyber security improvement
- > Alternative configurations
- > Multi-purpose schedulers
- > Modbus register mapping possibility
- > Load shedding, dummy load management
- > User buttons
- > Geofencing based on GPS position
- > Cut-out: 187 mm x 132 mm (as InteliGen 200)

InteliLite 4 AMF 25

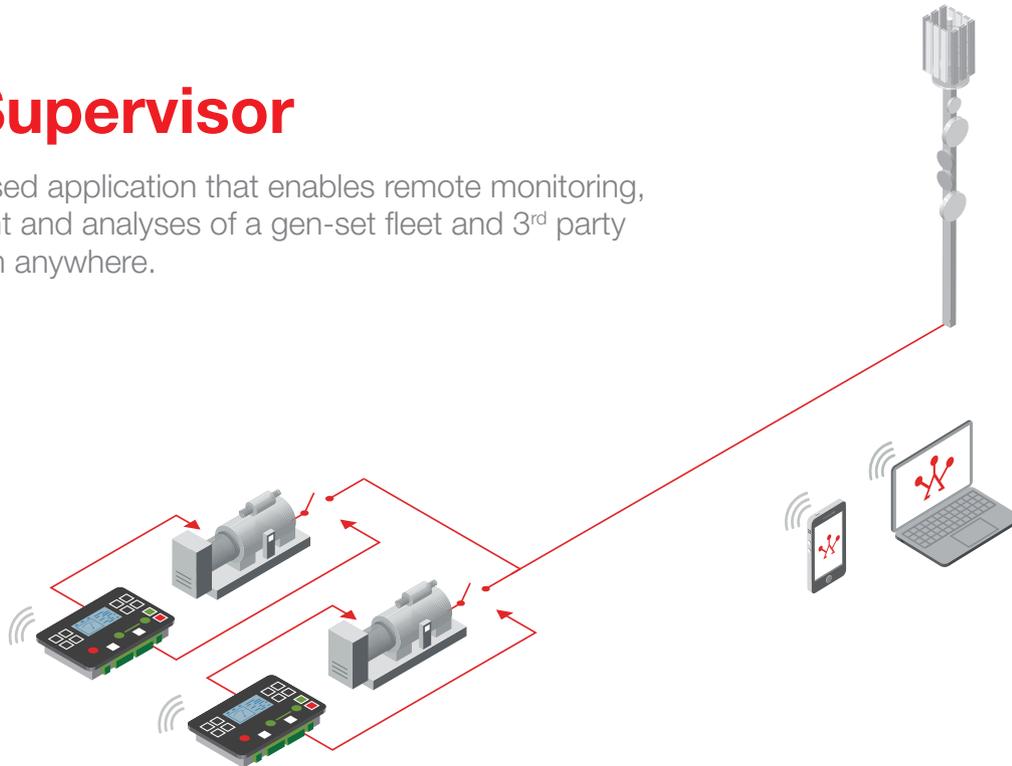
Advanced single gen-set controller for stand-by and prime-power applications



- > Stand-by and prime-power application in one unit
- > Backlit symbols
- > 8 binary outputs, 8 + 1 binary inputs, 4 analogue inputs (U/I/R)
- > +5V output reference for analogue inputs
- > 2 high-current binary outputs
- > USB Host
- > Inbuilt RS485
- > 2 slots for extension plug-in modules (Modbus, Internet, SMS, inputs/outputs)
- > Extension CAN modules
- > ECU support (Tier 4 Final, Stage V)
- > RTC with battery back-up (full calendar)
- > Power over USB for controller configuration
- > Zero power mode
- > True RMS measurement
- > In-built PLC, complemented with a PLC monitoring tool in InteliConfig
- > Full remote communications support (AirGate 2.0, WebSupervisor)
- > Internet access using Ethernet / 4G, Modbus TCP/RTU, SNMP v1/v2c
- > Active SMS and emails
- > Detailed history log with up to 350 records
- > Dual Mutual Standby application support
- > Remote display
- > User setpoints and protections
- > 5 languages in the controller & Translator functionality
- > User Access Management
- > Cyber security improvement
- > Alternative configurations
- > Multi-purpose schedulers
- > Modbus register mapping possibility
- > Load shedding, dummy load management
- > User buttons
- > Geofencing based on GPS position
- > Cut-out: 187 mm x 132 mm (as InteliGen 200)
- > Available also in low temperature version (Order code: IL4AMF25XBLA)

WebSupervisor

A Cloud-based application that enables remote monitoring, management and analyses of a gen-set fleet and 3rd party devices from anywhere.



Main Features

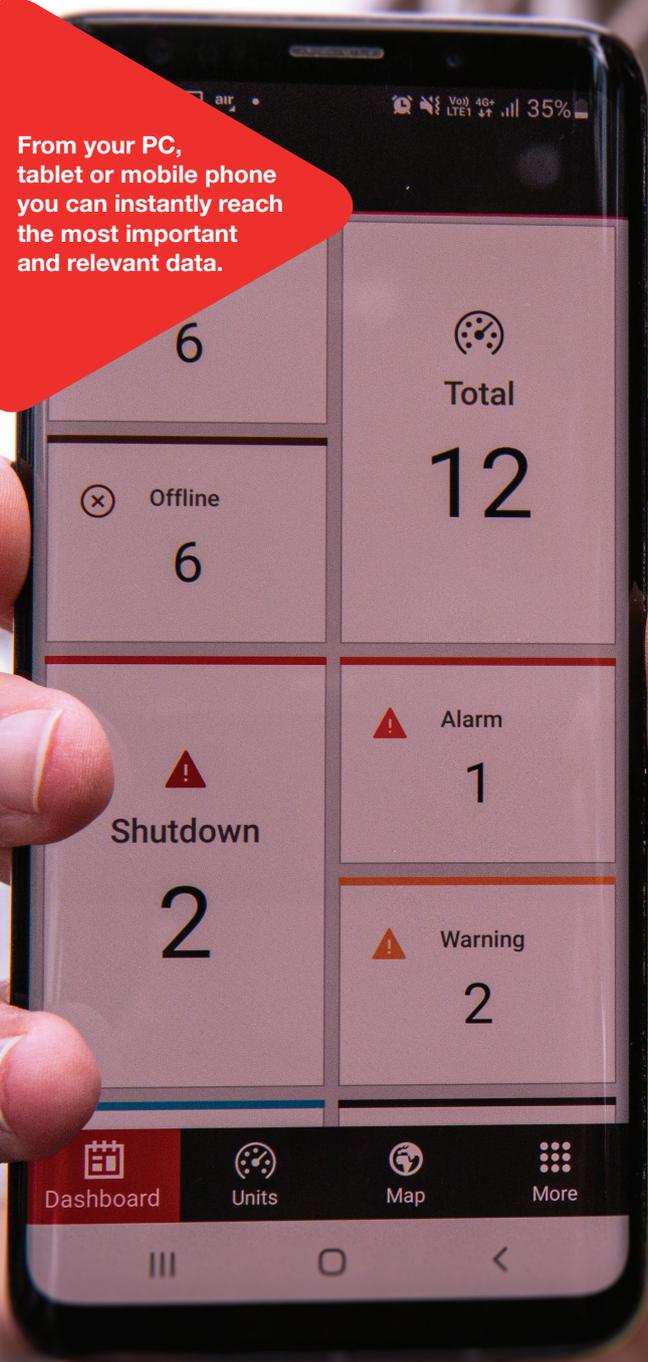
- > List and map views of devices and alerts on one screen
- > Device tracking and geofencing*
- > Dashboard with fleet and group of devices statistics
- > Automatic reports for each device, or a group of devices, with customization options.
- > Alarm Analyser which can help reduce maintenance costs
- > Advanced trend representation (bar graphs, heat maps and more)
- > 3rd party device monitoring
- > API: able to download data and integrate in CRM, ERP, PowerBI or other third party software
- > Screen Editor: modify the data that is displayed according to your needs
- > Web camera support
- > User activity logger: logs all user activity for a device or fleet
- > Download controller's history files (event-based history)
- > Customizable look with your logo and URL
- > User management with several levels of permission

*Tracking and geofencing requires purchasing an additional GPS card.





From your PC,
tablet or mobile phone
you can instantly reach
the most important
and relevant data.



Case Studies

We're always proud to showcase the innovative ways that our customers and staff utilize the full potential of our products, keeping ComAp at **the heart of smart control**.

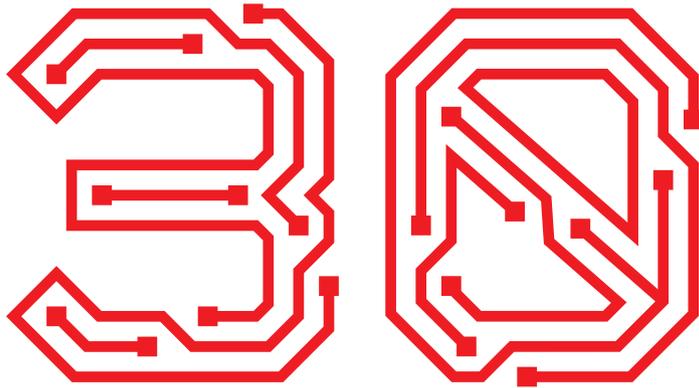
98

case studies via comap-control.com



Don't forget to subscribe to our YouTube Channel to see our latest reference videos.





30 Years of Smart Control:

ComAp celebrates 3 decades of success through continuous innovation and growth.

Founded in a one-room office in Prague, Czech Republic in 1991 by three friends, ComAp has since become a successful global company with a strong local presence supported by 13 subsidiaries, more than 400 employees, and a network of 60+ distributors. The company is in the hands of its founders who have an ambitious vision for further growth and investment in acquisitions and partnerships. But it is trusted relationships with customers what is the central focus of ComAp. Let's have a look at the milestones of this astonishing journey starting back in the early 1990s, in the heart of Europe, that has become known as The Heart of Smart Control in the world of independent and backup power generation.



Engine Control

InteliSys | InteliGen

ComAp
Cores

Inteli Sys Hybrid

3
We are the heart of



COMAP 1991 - NOW



THE HEART
OF SMART
CONTROL (.EXE)

IntelliLite4



The new generation of single gen-set controls