

# MAKE YOUR EQUIPMENT LESS REMOTE

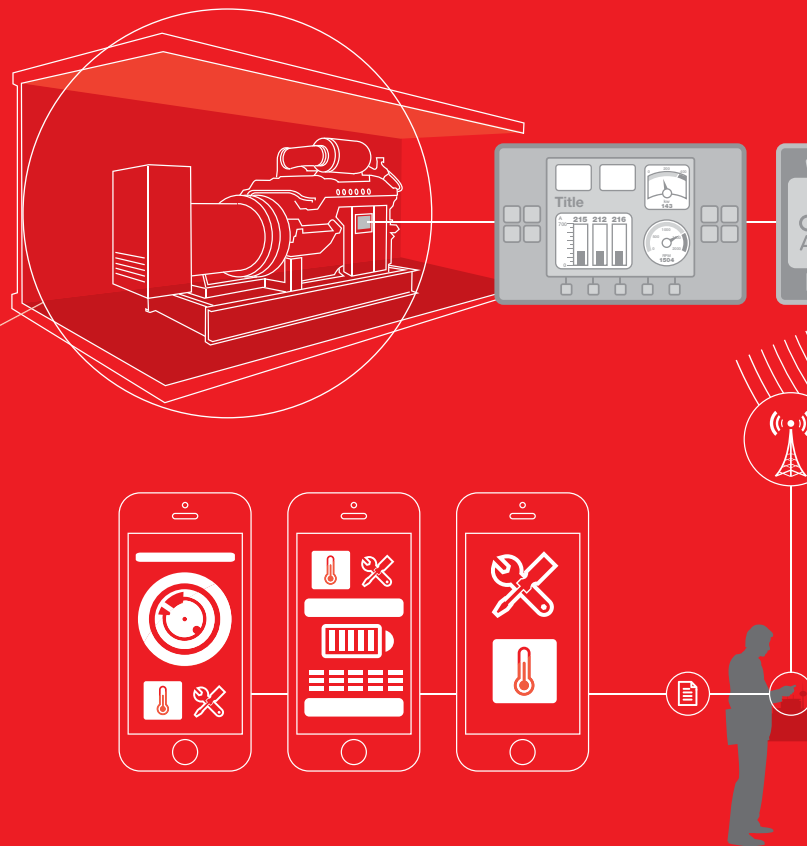


Monitor, supervise and  
locate equipment anywhere  
in the world – with ease



**ComAp's** integrated family of advanced cloud-based communication solutions brings customers closer to their equipment – simplifying the management of remote and mobile assets wherever they are located or moved to

## How it works...



## Connect, Supervise, Secure



### CONNECT

Powerful AirGate technology is compatible with a wide range of ComAp controllers and makes secure remote internet connectivity simple. With this unique system users can locate and maintain contact with the controller without the need to arrange VPNs, static IP addresses or corporate firewalls. It's intuitive modern communications combined with the reassurance of advanced security.

**AirGate – Simply connected.**



# ComAp – Connected to smarter technology

From a single high value generator to a fleet of engine powered assets, ComAp technology harnesses the full benefits of the internet to access key data and detailed reports, all of which can be viewed on a PC, smartphone or other web enabled device.

Experience has demonstrated that remote monitoring leads to lower operating costs. It can potentially limit downtime, minimise theft and ultimately improve operational efficiency.



## SUPERVISE

Cloud-based WebSupervisor allows users to communicate with their ComAp controls from anywhere in the world, for complete monitoring and control of remote equipment using a PC, tablet or smartphone.

With customisable reports, a comprehensive history log and detailed fault notifications WebSupervisor is an easy-to-use yet powerful tool enabling users to supervise, track and archive all the information that matters.

## SECURE

With remote equipment potentially vulnerable to theft or misuse it's valuable to know exactly where units are. ComAp's LOCATE is a tracking and alarm system for monitoring multiple pieces of equipment. Should an alarm situation arise the service crew is instantly notified of the location and nature of alarm, permitting a rapid and appropriate response. GPS tracking is also available by using InternetBridge-NT – another way of communicating that allows remote control, fleet management, alarm messages (via email, SMS or WebSupervisor) and controller RTC synchronisation.



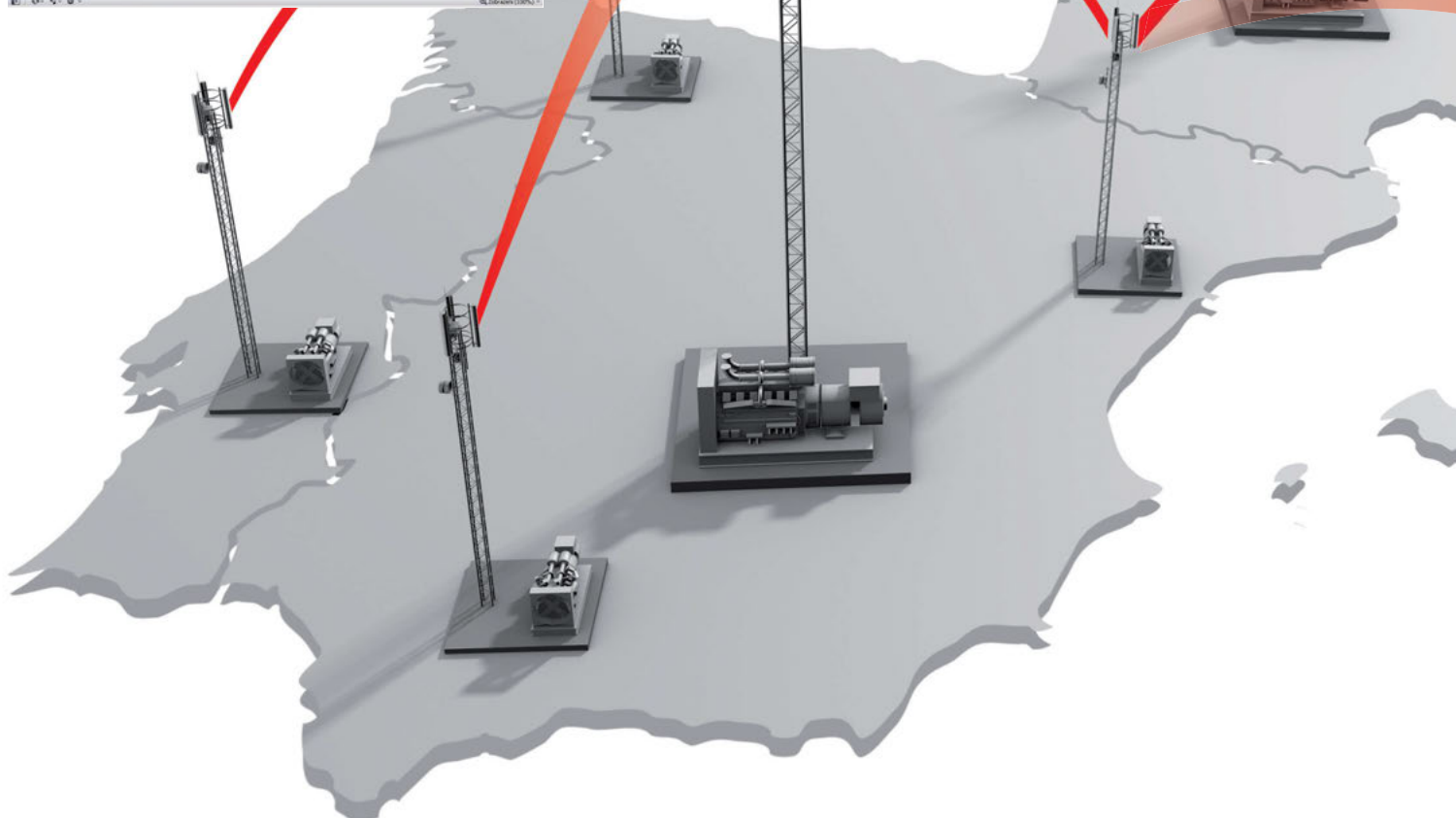
**Your entire fleet safe  
in your pocket**



## WebSupervisor

The FREE WebSupervisor smartphone app is available for iPhone® and Android® devices and makes managing your equipment simple.

Visit the Apple or Android app store to download.









## Get connected to a world of applications...

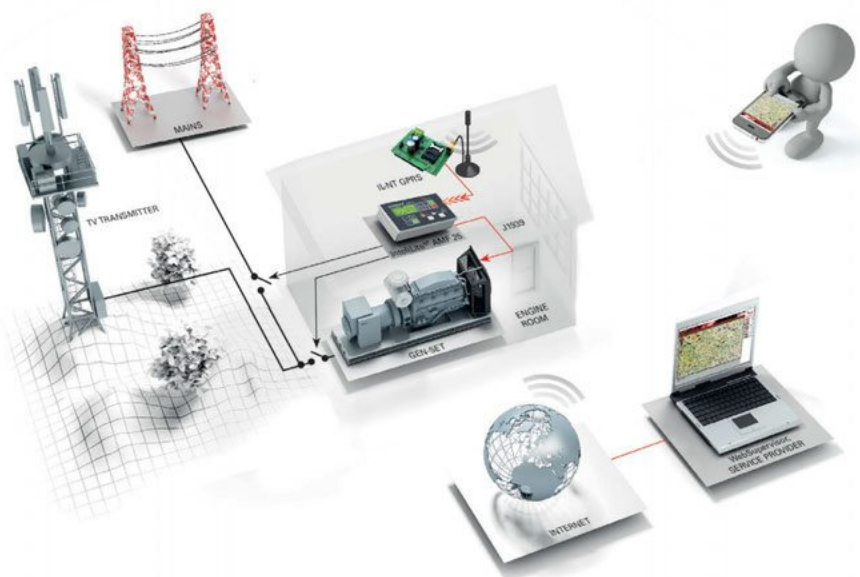
Cloud-based remote management gives you virtually unlimited access to power equipment in almost any application or setting. Here are just a few common examples that illustrate the potential benefits of remote monitoring:

### Recognised as the ideal monitoring solution for operations, maintenance and fuel consumption

#### ComAp's remote communication revolutionises customer service for Generkal Industries.

The cloud-based remote management system allows faster response times with almost unlimited access to power equipment which has helped Generkal Industries significantly improve their customer service whilst benefitting from reduced maintenance costs.

Since installing WebSupervisor and AirGate to its fleet of 50 rental gen-sets, Generkal Industries has found that they can solve around 50% of faults remotely and using the LOCATE application, they are able to track the gen-set by PC or smartphone and send out a technician before their customer is aware of the problem.

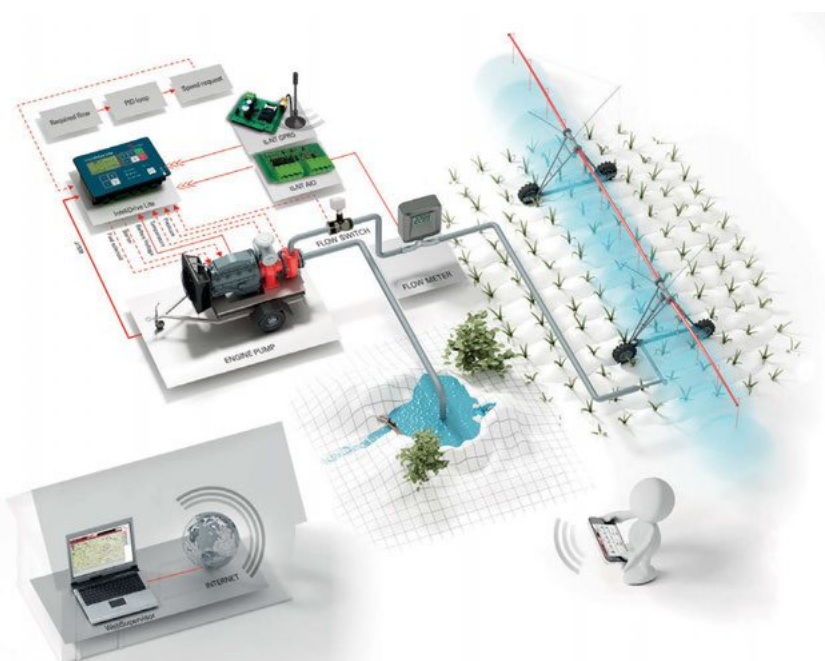


Remotely located TV or Cellular towers

"As our customers expect efficient and effective solutions across a range of Colombian industries, we have implemented ComAp's WebSupervisor monitoring system to help reduce the risk of power failures. The key fact about WebSupervisor and AirGate is that we receive information about our gen-sets in real time, helping us solve and communicate important issues such as low fuel as well as improve overall response times for preventative maintenance. To have a real time monitoring system available on our smartphones has proved to be a major advantage."



Jhon Mora  
General Manager  
Soluciones De Potencia  
Y Energia S.A.S



Rurally located agricultural applications

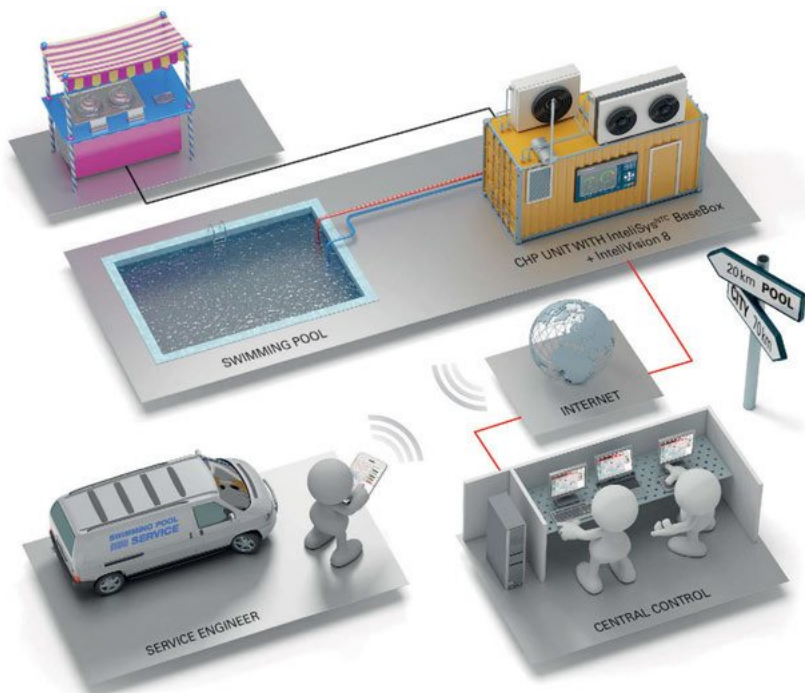
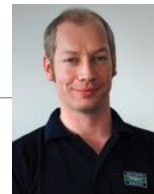
## Case studies from around the world



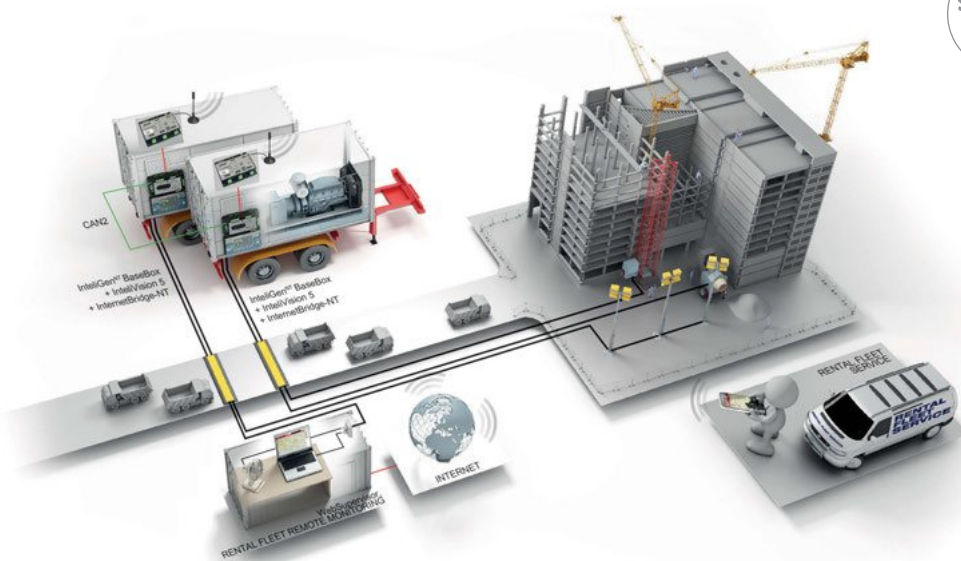
"In the United Kingdom, Severn Trent Water runs a fleet of 55 generators on 35 Sewage Treatment sites, situated in an area of around 6000 square miles. With distances of up to 185 miles between sites we require reliable remote communications to maximise our fleet availability.

ComAp's remote communication capabilities has allowed us to monitor, report on, fault diagnose and fault reset our entire fleet 24/7. We currently use WebSupervisor on a large LCD screen in our main control room and are making use of the iPhone / iPad App. IntelliMonitor provides a more comprehensive remote maintenance tool and the introduction of InternetBridge-NT is allowing us to explore the capabilities of AirGate and WebServer giving more flexible connection possibilities."

Ian Middleton  
Generation Technician  
Severn Trent Water



### Difficult to access utility operations



### Rental sets used for facility management activity

"At Generadores Gamma, we have incorporated ComAp's IntelliLite<sup>NT</sup> line of controllers, together with IL-NT GPRS modules for remote monitoring and supervision into a number of packages supplied to protect Toromochi – one of the most important mining sites in Peru. Located 4,500 metres above sea level and with temperatures falling below 0°C, such a harsh environment demands the best quality and most reliable products on the market, ComAp lives up to these expectations.

From our customers' monitoring centre in Lima, or from our technicians' mobile phones, the gen-sets can be monitored on a 24/7 basis, providing the customer with an unprecedented level of technical support. In this respect, WebSupervisor has also become a powerful service tool offering incredible value added characteristics."

Ing. Fernando Gudiño  
Plant Manager  
Generadores Gamma SAC





# Useful product information

## IL-NT GPRS



### GSM/GPRS Modem Plug-in Module

- GSM Modem function for dial-up connection
- GPRS support for wireless internet connection
- Periodic data collection in Excel format
- Instant alarm SMS notification
- System control over SMS
- Compatible with IntelliATS<sup>NT</sup>, IntelliLite<sup>NT</sup>, IntelliCompact<sup>NT</sup> and IntelliDrive Lite controllers
- Quad Band 850/900/1800/1900 MHz
- GPRS multi-slot class 10
- CSD up to 14.4 kbps
- TCP/IP communication over GPRS



## IB-Lite

### Internet / Ethernet Module including Web Server



- 10/100 MBit ethernet interface in RJ45 socket
- Web interface for basic monitoring and adjustment of the controller
- ComAp/TCP protocol for remote access from LiteEdit or IntelliMonitor
- Modbus/TCP protocol for integration of the controller into building management systems or other remote monitoring purposes
- SMTP protocol with authentication for sending of active e-mails



## InternetBridge-NT

### Communication Module with Cellular/Ethernet Connection



- Internet connection for one or more ComAp controllers, by Ethernet cable or built in 3.75G Cellular modem
- Wireless high speed GPRS/UMTS modem built in
- Supports all cellular packet data systems from GPRS to HSPA (2.5G to 3.75G)
- Full Multiband support – modem works globally
- Ethernet wired connection for local LAN connection
- Single module can be used for multiple controllers on the same site (connected via CAN, RS485)
- Modbus/TCP, SNMP protocol support – direct connection to building management and other systems
- Connect to remote communications using GPS
- GPS Tracking



## WebSupervisor



### Cloud-based System for Monitoring and Controlling of ComAp Controllers

- Fleet monitoring and control
- Alarm monitoring
- On-line notification on alarms
- System offers large number of monitored units
- User-friendly graphical interface
- Accessible from any PC with Internet connection
- Data is periodically updated from machines to the internet cloud
- Automatic generation of reports – user defined .xls files
- Access from any web enabled device such as PC/netbook, iPhone/smartphone, etc.
- E-mail notification



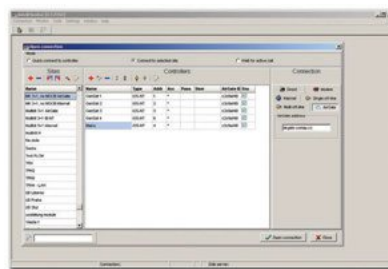
Available in various languages:



## IntelliMonitor

### PC Monitoring Tool for Intelli Controllers

- Online monitoring of a controller or site
- Fully customisable SCADA diagram
- Browsing of all measured and computed values
- Browsing of controller history records
- Adjusting setpoints
- Receiving active calls



#### MANUFACTURER:

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