PERFECT SOLUTIONS FOR RENTALS

ComAp

Make managing your rental fleet simple

We understand rent

ComAp's generating-set controllers are used by many of the leading rental companies worldwide because we have developed products, software and communications technologies specifically suited to the requirements of this demanding industry.

Our rental software options provide features and functions specific to the rental industry and unique to ComAp, whilst WebSupervisor, LOCATE, AirGate and InteliMonitor communications and monitoring technologies provide rental companies with the on-line monitoring of their valuable assets wherever they are. All ComAp rental controllers, software and associated products are designed with simplicity, flexibility and remote communications in mind to provide the perfect solution for rental markets. And with Power Management features users can also optimise system efficiency and minimise costs.

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Simplicity

Innovative ComAp IGS-NT-Rental software allows users of rental generating-sets to easily switch between modes including Single Parallel to Mains, Parallel to Mains, Single Island and Multiple Island. This simplicity enables each rental fleet generator to be deployed across a range of applications and systems – minimising downtime, costs and the need for on-site technical support.

To make operating rental fleets simpler InteliGen^NTC BaseBox controllers support droop-based regulation for load sharing and VAr sharing, enabling connectivity with third party equipment so that ComAp-fitted generating-sets can operate in parallel with those using the controllers of other brands. Rental users also benefit from distributed input/output options, excellent support of electronic engines with ECUs, anti-islanding protection, the ability to run in isochronous mode (via the CAN bus), and the security and failsafe reliability that comes from continued operation in emergency droop mode if the CAN bus is interrupted.

Flexibility

ComAp controllers are designed with flexibility in mind. The InteliGen^NTC BaseBox is easily configurable for single or multiple generating-sets operating in either standby or parallel modes. Installation and wiring is made simple thanks to a modular system that also incorporates a high-resolution separate colour-display (InteliVision 17Touch, InteliVision 8 or InteliVision 5). The InteliGen^NTC BaseBox is supplied with powerful yet intuitive software such as ScreenEditor, enabling users to tailor special PLC functions and choose extension modules for a unique and customised setup that matches specific requirements.

For rental customers needing to parallel with the mains, InteliMains^NT Supervision Controller makes it simple to automatically synchronise up to 31 generating-sets – also enabling non-interruptible reverse synchronisation.
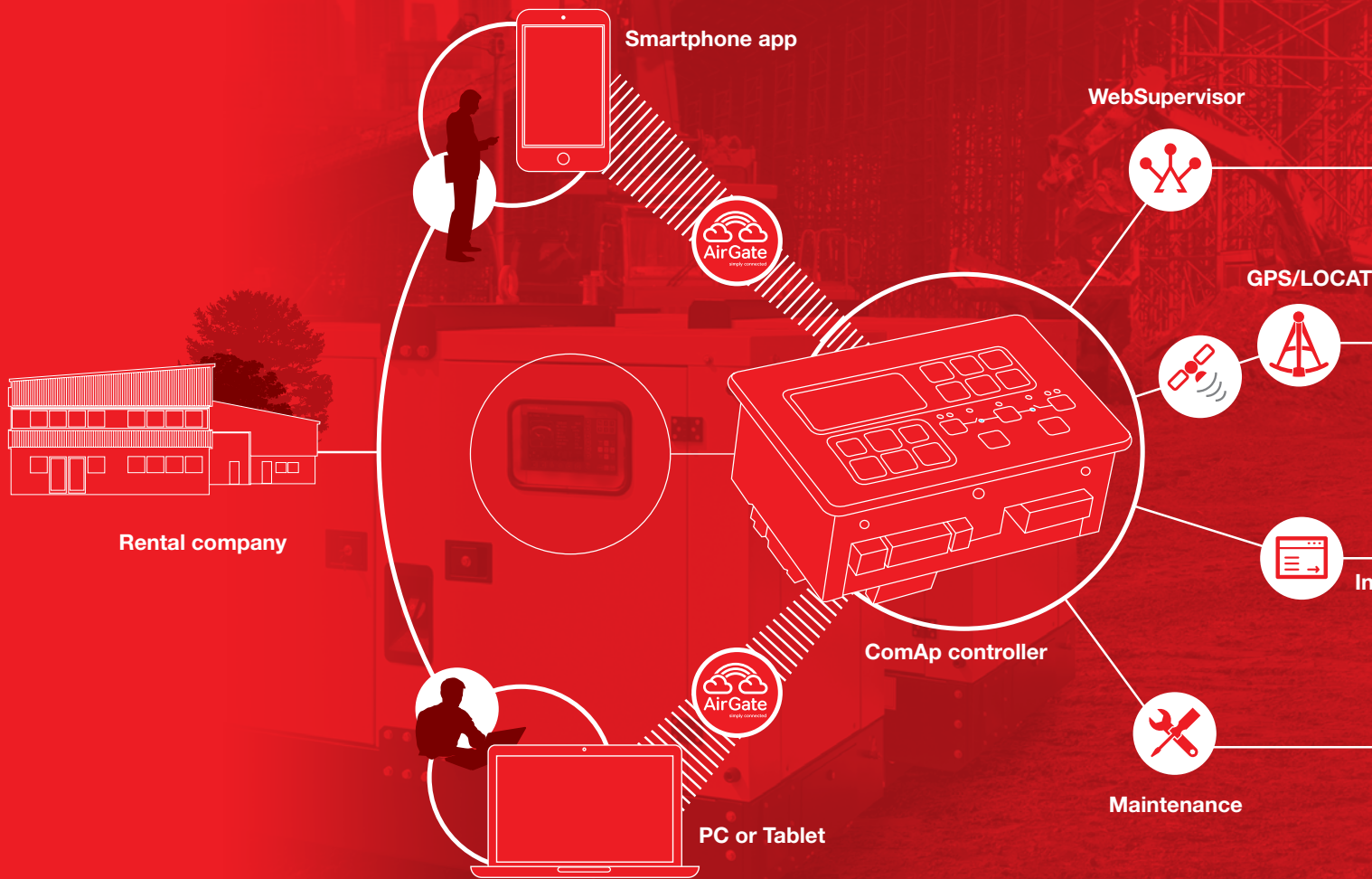
Power Management

Paralleled generating-sets fitted with InteliCompact^NT and InteliGen^NTC BaseBox use Power Management to optimise the number of running sets. This innovative system enables users to optimise equipment efficiency leading to significant cost-savings, as well as improving fuel economy, reducing emissions and making equipment run more reliably.

• The Power Management feature identifies load and how to meet it most efficiently

• The Load Demand Swap (LDS) feature allows the controller to start and stop sets to ensure the running of the most suitable individual or combination of generating-sets to meet demand (with appropriate reserve)

• Load Sharing balances kW load and kVArs between all sets regardless of their size

• The Run Hours Equalisation setting improves durability and reliability through ensuring all generating-sets are deployed equally

Efficiency mode combines Load Demand Swap and Run Hours Equalisation within a convenient package for up to 32 generating-sets. The InteliGen^NTC BaseBox's customisable PLC functions enable users to maximise Power Management efficiency for every application.

There's a ComAp solution for every rental application...

Smartphone app

WebSupervisor

AirGate simply connected

GPS/LOCAT

Rental company

ComAp controller

In

AirGate simply connected

PC or Tablet

Maintenance

Remote Communications

ComAp provides an integrated suite of remote communication tools that work together to ensure you're in charge of the rental equipment, wherever you are.

WebSupervisor

Rental companies often have large fleets spread across a wide number of applications. WebSupervisor allows you to communicate remotely with your equipment controls – for complete monitoring and control of your entire fleet using any PC, tablet or smartphone. WebSupervisor is now available as a free app for Apple™ and Android™ devices and includes multi-language support.
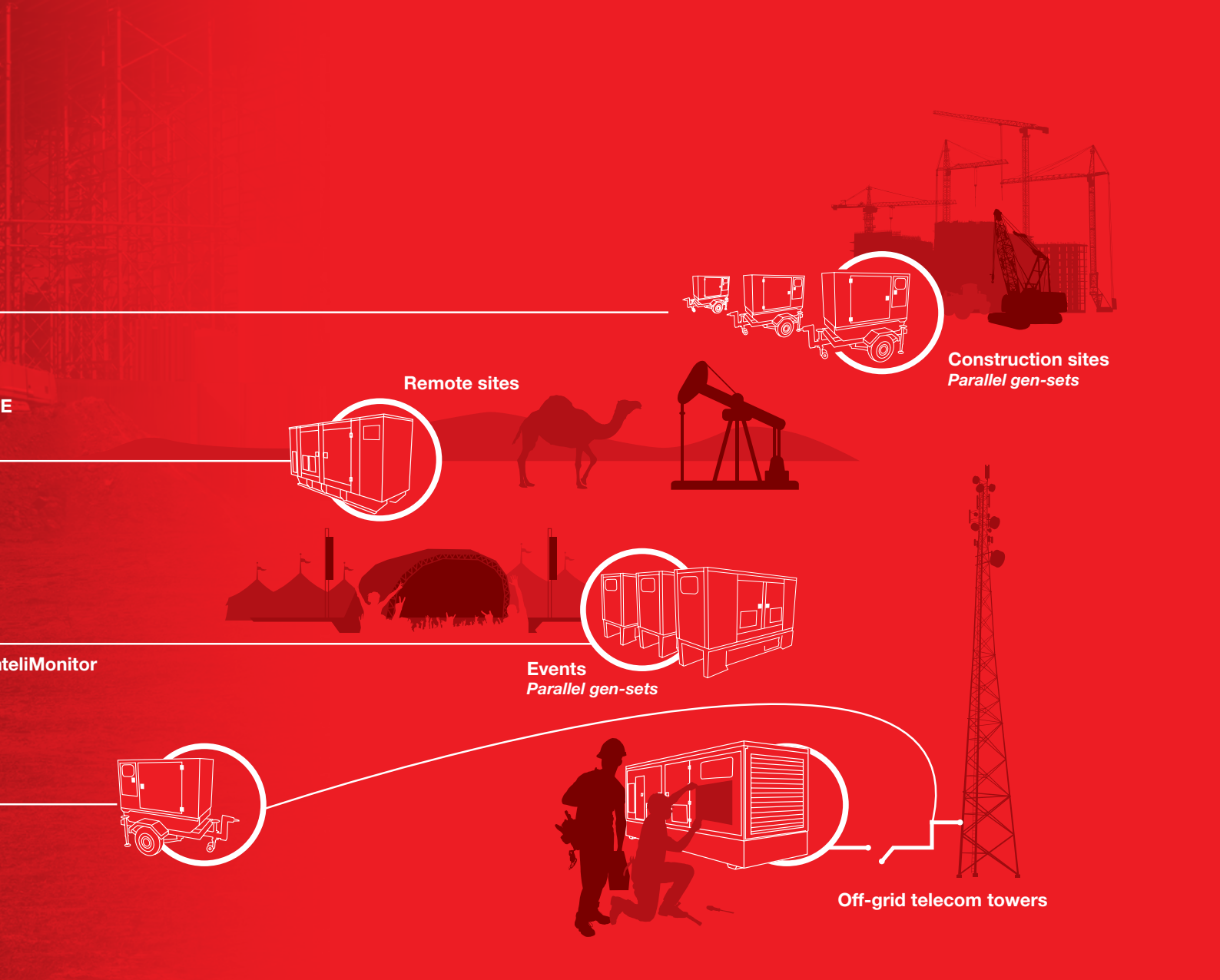
Want to know how your equipment's operating or being used in the field? WebSupervisor makes it easy to compile and archive history logs automatically. And with customisable and downloadable report files it's simple for users to view, track and archive all the fleet management data that matters.

LOCATE

With expensive equipment potentially located in vulnerable and remote sites it's smart to know exactly where units are, and how they're operating. ComAp's LOCATE deploys a tracking and alarm system for monitoring multiple pieces of equipment. Should an alarm condition arise the service crew is aware of the location and nature of the alarm (without needing to spend valuable time checking an office based system). This information allows for a rapid and informed response – with a clear idea of what to expect on-site.

GPS tracking is also available using ComAp InternetBridge-NT. It's another way of communicating that allows remote control, fleet management, alarm messages (via e-mail, SMS or WebSupervisor) and controller RTC synchronisation.
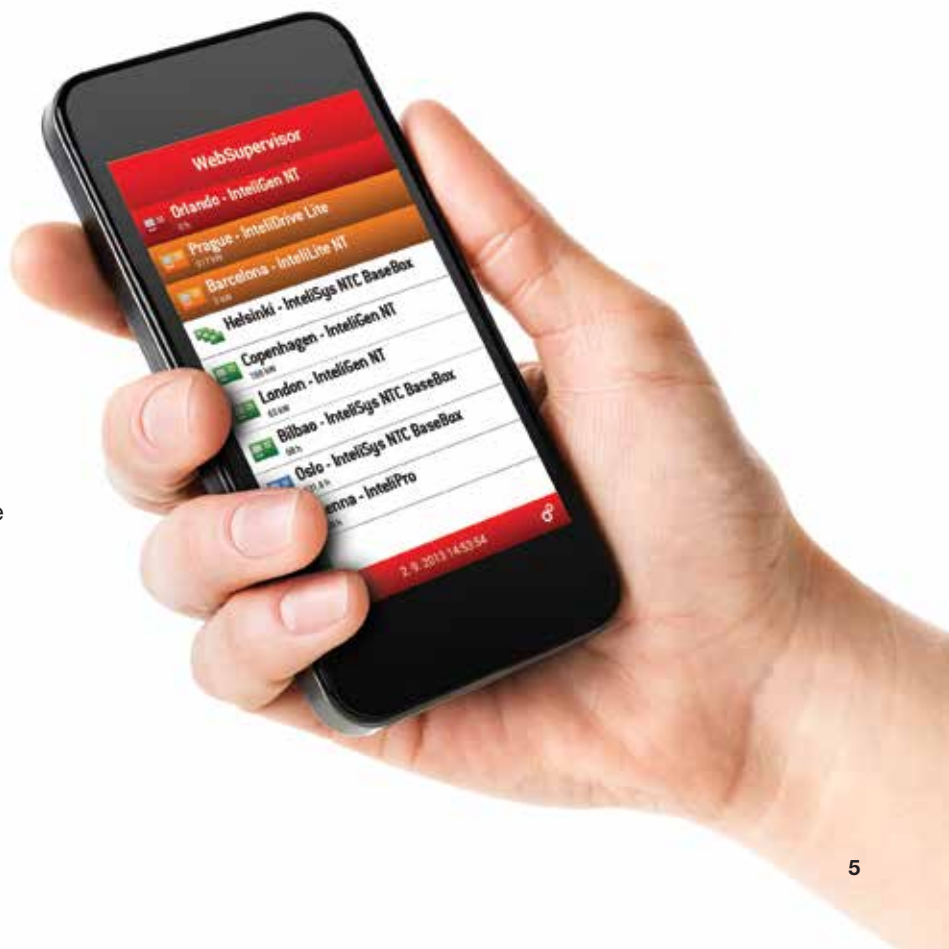
Preventing equipment theft is always a challenge for rental companies. ComAp's LOCATE and GPS tracking with InternetBridge-NT provide you with peace of mind by ensuring you can always check the location of equipment.

Construction sites
Parallel gen-sets

Remote sites

E

InteliMonitor

Events
Parallel gen-sets

Off-grid telecom towers

AirGate
simply connected

LOCATE, InternetBridge-NT and WebSupervisor all benefit from ComAp's secure AirGate technology. It allows users to locate and maintain contact with the controller without the need to arrange VPNs, static IP addresses or negotiate corporate firewalls – making it easy to configure and use ComAp's powerful suite of communication tools.

ComAp's AirGate technology is used to keep connection to the controller wherever it moves using a normal data-plan – no need for expensive special agreements with the cell provider.

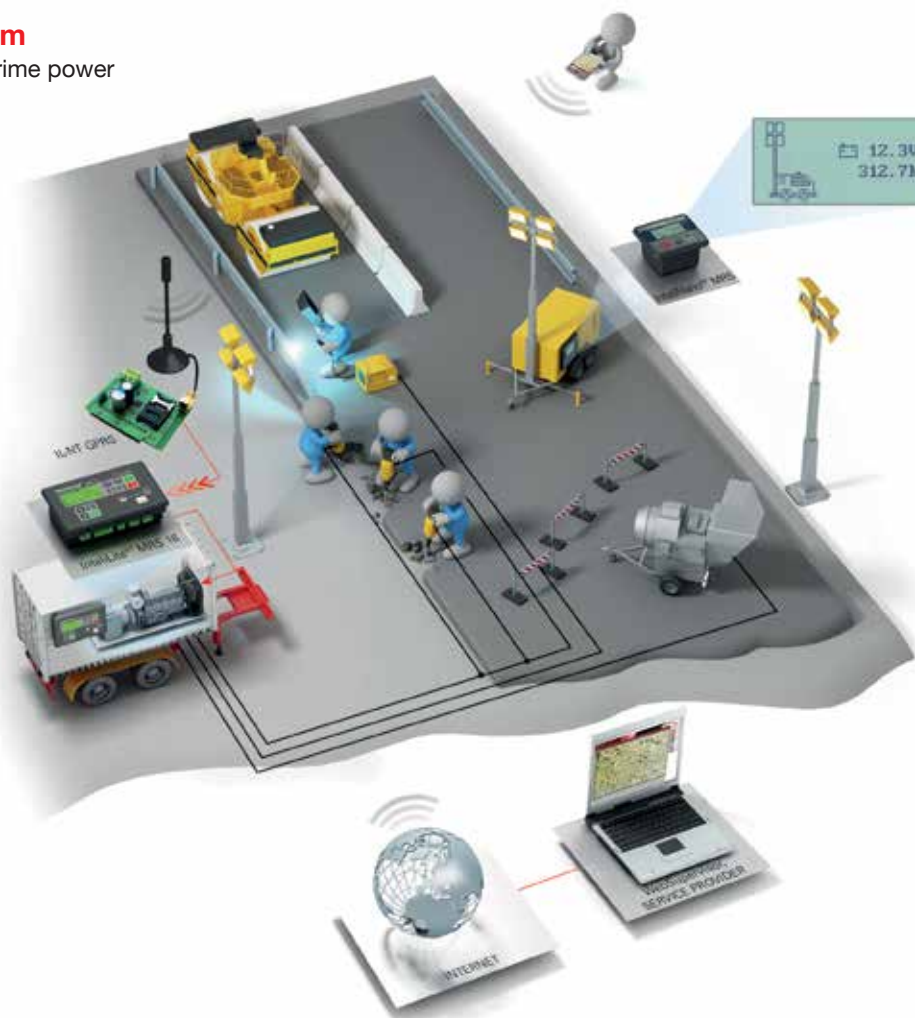Visit the Apple or Android store and download your FREE WebSupervisor app.

Available on the **App Store**

ANDROID APP ON **Google play**

Why choose ComAp?

Wherever your customers need rental power, and whatever the application, you can rely on ComAp to perform.

Prime Power System
Rental set used as the prime power on a construction site

Kirci Group, Turkey

Having added 70 new hire sets to their range Kirci Group now has the largest and most technologically advanced rental fleet in Turkey. All 155 Kirci generating-sets are equipped with InteliLite[NT] AMF 25 or InteliCompact[NT] MINT controllers, plus the IL-NT GPRS module – enabling every set to be securely monitored and controlled via the internet using WebSupervisor and AirGate.

"ComAp have enabled Kirci to build an advanced, cost-effective and flexible rental fleet that is perfectly suited to the demands of our rental market," says Mehmet Göçmener, Principal Engineer. *"With Power Lock connection it's very easy to connect, start-up the system and begin synchronisation of groups within several minutes. The ease of use and functionality of ComAp controllers is appreciated by our customers, and has played an integral role in helping us become Turkey's market-leader."*
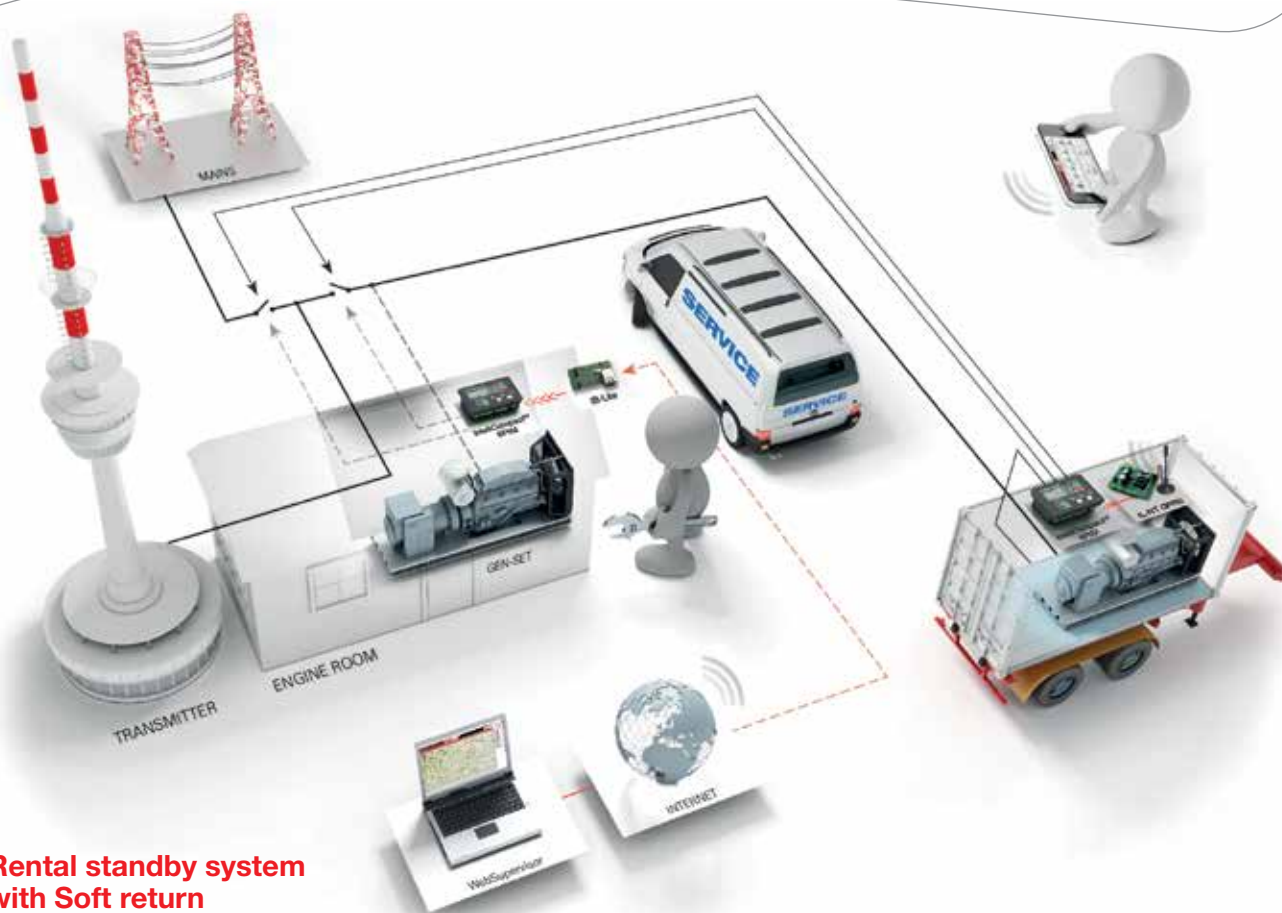
Kennards Hire, Australia

Kennards Hire is one of Australia's largest tool and equipment hire companies. Their extensive product range includes a power hire division, with a rental fleet extending from 2.5 kVA right up to 1250 kVA for high demand applications.

Australia's Greenbird Technology recently worked with Kennards Hire to build control panels for a number of new large (up to 500 kVA) generators. In an unorthodox method, the panels were manufactured in Australia before shipping to Technogen, a generator manufacturer based in Italy, to be installed – a distance of over 10,000 km! The completed generators were then shipped all the way back to Australia for final commissioning.

These panels, fitted with InteliGen[NT] controllers and InteliVision 5 displays (InteliVision 8 in some cases) use ComAp's IGS-NT-Rental software system. This system – initially developed for the Australian market to be used by electricity utilities companies – is incredibly safe and easy to use, allowing operators at all levels of training to start, synchronise, re-synch and shut down generators in parallel to the mains, without damage to the generator, the mains supply, or any danger to themselves or other utility workers.

"Kennards Hire decided to have their control panels installed in this way for two reasons: The reputation and functionality of ComAp's controllers and the local support that Greenbird Technology were able to provide. The completed generators are currently in use throughout Australia. Kennards Hire are extremely satisfied – as are their customers using them in the field."

Paul Emmerson, Sales Manager,
Greenbird Technology

Rental standby system with Soft return

Rental sets used as backup while servicing the permanent standby system
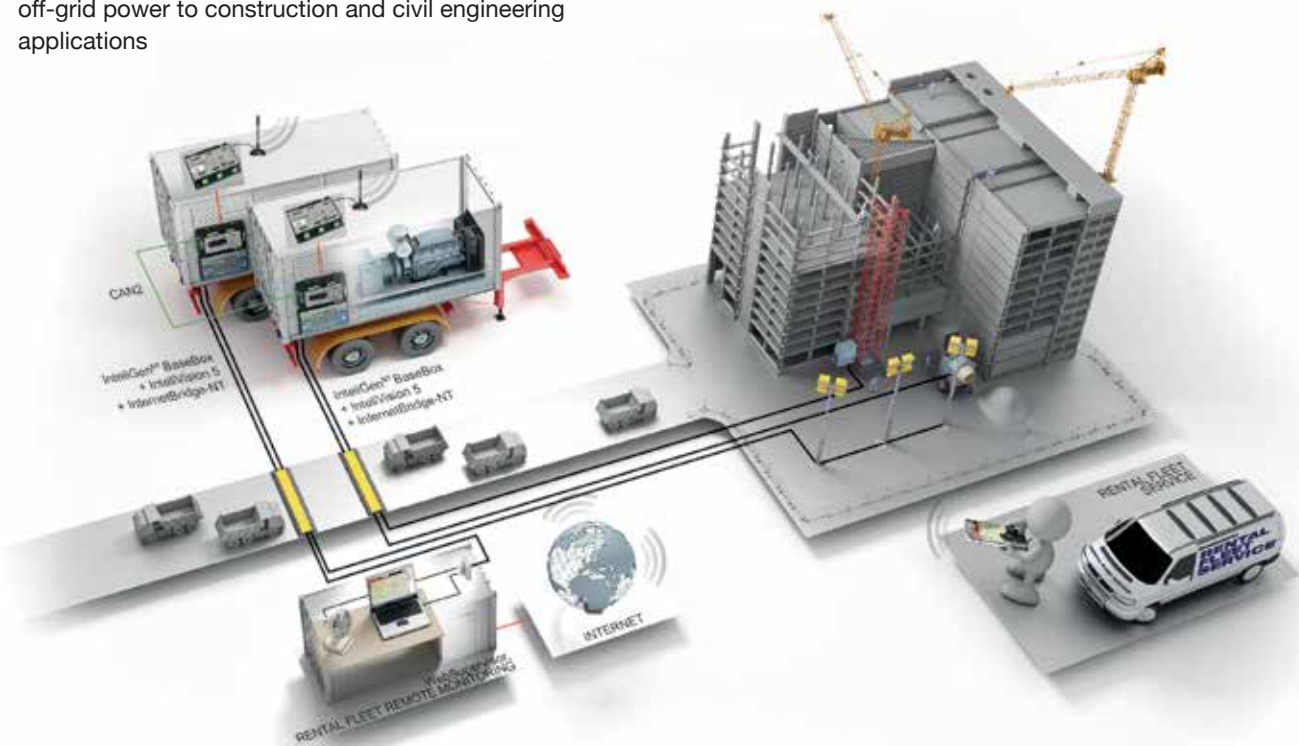
Altaaqa, Saudi Arabia

As one of the leading and most trusted providers of power solutions in Saudi Arabia, Altaaqa provide rental solutions for a large number of clients and applications. They use Caterpillar generators installed with ComAp InteliGen[NT] controllers so that they and their customers benefit from proven quality and innovative features.

"ComAp controllers provide us with the reliability we need when supporting high profile and highly demanding events" claims Operations Manager Mr. Sadeq Al-Sharif. *"We particularly appreciate the innovative WebSupervisor software that enables us to maintain round the clock remote supervision of any power plants, so we can respond quickly to any incidents and emergencies."*

Rental sets in parallel island mode
Rental sets paralleled to each other providing essential off-grid power to construction and civil engineering applications

Byrne Equipment Rental, UAE

Byrne Equipment Rental is the largest general rental company in the Middle East. They provide equipment rental solutions to a variety of industries including oil & gas, marine & leisure and tourism industries. Their fleet exceeds 6000 items incorporating everything from air compressors, generators, forklifts, loadalls, lighting towers and welding machines to temporary portable buildings including toilet blocks, offices, storage and accommodation units. Many of Byrne's generators have been fitted with InteliLite[NT] MRS 15 and IL-NT GPRS communication modules, enabling remote communications to be used across the fleet. The use of WebSupervisor and LOCATE technology allows Byrne to monitor and manage these generators remotely and accurately.

"It is a cost effective and easy to use tool for monitoring our machines online, anytime. The history also provides valuable information for our service teams, helping us cut many extra costs, and lowering downtime."

Nahidh Kashmoula, Technical Manager,
Byrne Equipment Rental

Power & Drive Solutions, Australia

Power & Drive Solutions are an Australian market-leader in the development and installation of specialist control solutions for hire equipment used by utility companies to support their networks.

"ComAp's unique control system enables utility companies to perform maintenance on their infrastructure without disruption to the customer," says Hayden Smart, Control Systems Engineer. *"The generator is installed at the customer's end; manually synchronised, and the infrastructure is disconnected so the customers are supplied from the generator – or multiple generators if required.*

"When the infrastructure is replaced the control system keeps the generator in sync with the mains and enables the utility company to manually reconnect to the mains supply. ComAp control systems are built to handle multiple applications at the flick of a switch, giving our customers extreme flexibility with one piece of equipment. This is especially important for the rental companies, who deploy them in many different roles."

Power & Drive Solutions also provide a 24/7 monitoring system to accompany the remote hire fleet, made possible by utilising WebSupervisor, as well as e-mail and SMS alarm forwarding.

Singapore F1® Grand Prix

GENPOWER Generators were commissioned by the Grand Prix organisers to provide lighting solutions for the prestigious Singapore race in both 2012 and 2013, and they in turn chose ComAp control systems to provide the right solution.

The races were illuminated by twenty-four individual 500 kVA GENPOWER generators, controlled using the ComAp InteliGen[NTC] BaseBox and InteliVision 8 combination, and powering 1500 special lighting rigs.

Beyond the track a further 12x 50 kVA, InteliLite[NT] AMF 25 controlled generators were used to supply monitoring system along the track while the 500 kVA generators were not running during the day-time.

"ComAp provide a complete and reliable service so that we're always in control of the power being generated. The reliability of the paralleling capability and the overall controller flexibility, including the ability to customise screen information, are invaluable tools in the successful delivery of this key infrastructure for one of the most logistically challenging events in world sport."

Bahadir Celim,
Managing Director,
GENPOWER Generators

Useful product information – Communication modules and software

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 InteliATS^{NT}, InteliLite^{NT}, InteliCompact^{NT} and InteliDrive 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 InteliMonitor
- 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, either by Ethernet cable or by 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 or Ethernet)
- Modbus/TCP, SNMP protocol support – direct connection to building management and other systems

WebSupervisor

Cloud-based System for Monitoring and Controlling of ComAp Controllers

- Fleet monitoring and control
- Alarm monitoring
- Online 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
- Access from any web enabled device such as a PC, tablet or smartphone
- E-mail notification
- Customised report values in .xls format

SIGN UP TODAY FOR YOUR FREE ACCOUNT

InteliMonitor

PC Monitoring Tool for Inteli 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

SIMPLY CONNECT USING AIRGATE TECHNOLOGY

Useful product information – Controllers

InteliNano^{NT}

InteliNano^{NT} is a flexible product family of cost effective diesel and gas generating-set controllers that meet the requirements of small applications. The new models are designed for use in standby and prime power applications, which typically feature a single generator with the option of separate units for manual and remote start or automatic mains failure. The full range of models provides outstanding protection, monitoring and control for small and middle size generators sets. All end-users appreciate the simplicity and a high standard of customer usability.

InteliCompact^{NT} SPtM

InteliCompact^{NT} SPtM controllers are integrated controllers combining AMF and paralleling functions for single generating-sets.

This combination allows the generating-set to be operated as an AMF generating-set with interrupt-free transfers as well as in continuous parallel-to-mains mode.

InteliLite^{NT}

InteliLite^{NT} is product family designed for use in standby and prime power applications, which typically feature a single generator. The full range of models provides end users with excellent flexibility and choice, with specially designed units for manual and remote start and automatic mains failure.

InteliCompact^{NT} MINT

InteliCompact^{NT} MINT controllers are integrated controllers for generating-sets operating in groups parallel to each other and with or without the mains.

Functionality, optimised for ease of use, installation and configuration, includes built-in synchroniser and digital isochronous active and reactive load sharer, and native co-operation of up to 32 generating-sets.

InteliGen^{NT}

InteliGen^{NT} is a comprehensive controller for both single and multiple generating-sets operating in standby or parallel modes. Compact construction is optimised for these purposes and various HW modifications allow customers to select the optimum type for a particular application.

InteliGen^{NTC} BaseBox

InteliGen^{NTC} BaseBox is a comprehensive controller for both single and multiple generating-sets operating in standby or parallel modes. The detachable modular construction allows easy installation with the potential to choose from many different module options to build an individual system to meet particular requirements.

Customer satisfaction is our mission. We continuously develop our people to be the best to succeed in our mission.