

FEATURES:

- Highest Generation Windows Server /No Active-X
- Redundant Cluster Servers
- GPRS communication
- Communication Channel Redundancy
- Advanced technologies and design
- Built like a tank to meets safety standards
- Web based user interface
- Scalable

BENEFITS:

- Secure
- Maximum application availability
- Lower costs
- Maximum communication reliability
- Won't be obsolete tomorrow
- Safe
- License free workstations - anywhere
- The network will not outgrow the capabilities of the system

The systems of yesterday will not measure up to the requirements of tomorrow.
Don't be left behind!
DIWICON is the revolutionary technology you need

CASON DIWICON

Technology to manage the energy and water
Supply networks of tomorrow.

Hardware, Software, Communication

Remote meter reading, System monitoring, Remote control

Data processing, Asset management, Contract handling
Nomination, Allocation, Data exchange

Energy Balance, Publication, Monitoring

Wireless, license free, and open



DIWICON-E

Technology to manage the energy
supply networks of tomorrow.





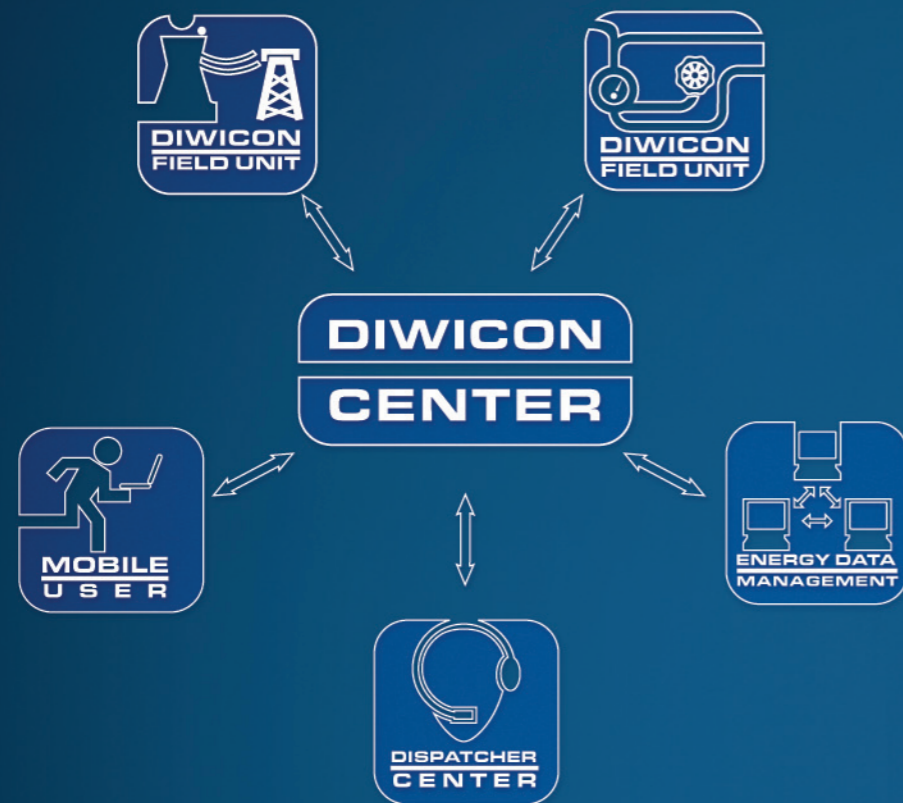
DIWICON - Distributed Intelligence Wireless Industrial Controlling

Yesterday's energy distribution systems served markets of independent distributors often in monopoly positions with little need for interconnection to each other and less responsibility for energy conservation and consumer cooperation than is now expected.

The energy markets of tomorrow will be vastly different. They will be more competitive, more demanding, and more interdependent than ever before.

To succeed in these markets, energy distributors will need new tools and solutions to deal with the ever increasing demands.

The CASON DIWICON technologies were designed specifically to provide such tools and solutions. DIWICON-E provides the cost effective, mature, and proven solutions to the challenges arising from evolutionary changes in the world's energy markets.



DIWICON is a pioneer technology for easy and efficient monitoring and control of industrial and information systems across large geographic areas. As with other areas of technological progress we can speak of the evolution of network systems by labeling them as 1st, 2nd and 3rd generation. The 1st generation systems were mechanical. Together the two EMS and SCADA systems (Energy

Management System and Supervisory Control and Data Acquisition) were the 2nd generation. Two systems, however, are two systems... DIWICON-E is one system which executes all of the specific tasks that energy distributors need to perform in meeting the daily operational requirements of today's highly interdependent scale-free network structures.

DIWICON-E is 3rd generation technology for energy network management. DIWICON-E was developed to fulfill the following tasks:

Substation Automation: flexible event based automation with redundant GSM/GPRS technology

Automatic Meter Reading: Billing data acquisition and reporting via GSM/GPRS data networks

Line Protection & Transformer Station Monitoring: cost effective, easy to install defense for signaling of and localization of network disruptions

Data Exchange in liberalized markets: Active data exchange between energy market participants

THE DIWICON-E SYSTEM

The DIWICON-E system is made up of three modular elements. Each element is an integrated part of the whole system created to offer the maximum in reliability, security, and longevity.



DIWICON-E CENTER

At the Heart of any DIWICON-E system is either a DIWICON 8000 or 9000 server. This central element receives incoming data from field units, stores the data in SQL Databases, processes it using XML Data exchange, and electronically publishes the results on dynamic ASP/HTML websites for viewing by users with suitable security clearance guaranteed by the security protocols of the most recent generation of Windows Server. Additionally, the single cluster architecture of the 8000 server and the double cluster architecture of the 9000 offer maximum uptime in excess of 99.99%.



DIWICON-E FIELD CONTROLLERS AND DEVICES

The full DIWICON product range includes dozens of field devices, all of which make use of intelligent operational procedures. The distribution of this type of smart operation eliminates unnecessary communication - reducing costs and further improving system reliability.

The crown jewel of the family is the DIWICON Field Controller. The product's primary competence is for the processing and forwarding of industrial technological signals. It has been used for applications in the electricity, gas, chemical, and oil industries. Thanks to many innovative solutions its communications devices are at the world-wide cutting

edge. The use of iGPRS (industrial General Packet Radio Service) communication is world first in such a device. The most important characteristics of this field controller are iGPRS communication, SIM card redundancy, minimal power consumption, and the 8 jumper-set, analog and digital inputs for monitoring all aspects of any transformer station. Additionally, the device incorporates an isolated serial port for meter reading, an integrated thermometer, and a motion detector for sabotage protection.



DIWICON USER INTERFACE PLATFORM

The integrated DIWICON Platform is a single, concise, user friendly interface for network monitoring, operations, and control. A DIWICON dispatcher center is easily established using existing workstations due the platform's use internet protocols web based activities and services. Since the platform resides on the server, the system is available anywhere, nothing needs to be installed on client machines, and workstation license fees are eliminated. In summary, the unique features of the DIWICON technology make it the obvious choice for new investments and upgrading of older electric power network systems.

