A glance at today’s IT world shows that systems are becoming ever more user-friendly, self-explanatory and universal. Power systems control is no exception.

Spectrum PowerCC DM is a completely new management system designed for electricity, gas and water distribution networks, to meet the demands that the future holds for them. The system is suitable for municipals utilities, regional distribution network operators and major industrial consumers of energy. It offers truly comprehensive functionality that provides optimum support for network operation and fault management.
Spectrum PowerCC DM
The solution with benefits for you

With its innovative technology, Spectrum PowerCC DM offers distribution network operators a number of significant advantages:

**Greater independence – in every way**
The speed of installing the system has been improved substantially: It no longer takes several months; the system is up and running in just a matter of weeks.

**A product solution with a future**
Because the integrated technology is truly state-of-the-art, the investment involved is secure in the long-term: Service packs and upgrades are easy to install; the system simply continues to grow.

**Adaptable to customers’ future requirements**
Thanks to open interfaces, Spectrum PowerCC DM will retain its compatibility well into the future. Its configuration also makes it highly adaptable – so there are no reprogramming costs. New or changed requirements are no problem thanks to APIs, Wizards and the Software Development Kit.
The new system gives you more freedom

Spectrum PowerCC DM is web-based
Mobile access to all data in the system – regardless of where you are. A standby service, for example, can be organized from home, or system administration tasks can be performed from a remote point. That saves a lot of time and money too.

Spectrum PowerCC DM meets the latest standards
A distribution network operator’s core processes do not stop at IT system boundaries; he needs a wide variety of interacting IT systems (when dealing with network faults, for example). The latest standards such as the CIM data model (IEC 61970) and de facto industrial standards such as OPC (OLE for Process Control), MS-Office and WinCC for operator communication and visualization pave the way for efficient office communications and to the world of industrial automation (e.g. programmable big controllers for gas and water networks). This open form of communication allows Spectrum PowerCC DM to differentiate in the optimization of a network operators’ core processes – right across the whole IT scene.

Spectrum PowerCC DM knows no compromises
Spectrum PowerCC DM incorporates an innovative and powerful input and updating system for network and system configuration data – the Information Model Manager (IMM). On-line functions such as graphical topology input, automatic display construction and automated data import with intelligent verification of data substantially reduce the effort involved in entering and updating data. That is particularly advantageous in distribution networks where data volumes are often considerable.
Spectrum PowerCC DM is fit for the future
Spectrum PowerCC DM enjoys easy system migration, expandability and upgradability thanks to its flexible and modular design. Customized applications are also easy to incorporate through an Application Program Interface (API).

Spectrum PowerCC DM uses “best-of-class”
Spectrum PowerCC DM uses the standard PC platform Microsoft, Oracle and WinCC and, because such standards are so familiar in the office world, its operation is intuitive. This reduces the cost of both training and system administration.
Spectrum
PowerCC
at a glance
Some functions
and features

The basics
Process data acquisition:
• Universal communication with remote terminal units, programmable logic controllers and other control centers
Information processing:
• Combination of real-time values
Operator communication and visualization:
• Web-based with Microsoft operating philosophy, so operation is intuitive
• Easy navigation
• Flexible display of diagrams, graphs, etc.
Control:
• Reliable thanks to interlocking and simulation derived from the topology
• Easy management of switching procedures
Archiving system:
• Complex analyses are simplified
• Fully detailed recording over the years
• Statistical combinations
• Online recovery and clear display of figures
• Automatic recalculation following changes
Crew Management:
• The team gets to the right place quickly
• Direct cooperation between control center and field crews, with no media discontinuities
Geographical information:
• Combination of geographical data with process data

Electricity
Alarm management:
• Support for unmanned control rooms through automatic callout of standby operators
Electricity load management:
• Optimum utilization of purchase contracts
Trouble-call management:
• For high standards of customer satisfaction
Outage management:
• Brings order to potential fault chaos
Fault location and isolation:
• Faster service restoration
• Accurate location of faults
Network calculations:
• Reliable, cost-effective network operation through load-flow and short-circuit calculations
Training simulator:
• Efficient training of personnel

Gas
Control and monitoring:
• Load-sensitive dynamic coloring
Gas load management:
• Optimized gas import
• Area-specific consumption forecast
• Concessions for transfers

Water
Control and monitoring:
• Consistent water quality
Water supply:
• Optimum management of storage resources
• Area-specific consumption forecast
• Early warning of potential shortages
Getting started is so easy

Successful customers all over the world rely on Spectrum PowerCC DM

Find out for yourself just how easy it is to use Spectrum PowerCC DM. We will gladly demonstrate its innovative capabilities to you. Learn all about the object-orientated data model and enter your first station – you will find the comprehensive, clear and uncomplicated documentation a great help as you do so. And, if you have any questions or problems, you can always rely on our service – whatever the time-of-day.
Would you like to find out more?
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