



WCWWA - 60th Annual Conference

PROTECTING OUR WATER 60 YEARS OF SERVICE

CTH Systems Inc is pleased to once again be apart of the annual WCWWA tradeshow and conference.

September 23 - 26, 2008

Delta Regina Hotel - Regina, Saskatchewan

COME CELEBRATE WITH US IN THE LAND OF LIVING SKIES

Conference Schedule

Tuesday Sept. 23, 2008

- Workshops
- Tradeshow (6pm - 10pm)

Wednesday Sept.23, 2008

- Tradeshow
- Technical Program



Dan Brabec, Motorola US, will be presenting a paper by Dan Ehrenreich, Motorola Israel, on
Planning for Optimal Control over Water System Operation
on Wednesday September 23 at 2:00pm

For more information on the WCWWA Conference, please visit their website.

<http://www.wcwwa.ca/2008/2008wcwwa.htm>

Beijer Information Designer v.1.50 released

Version 1.50 of the EXTER system program and of Information designer is now released. This version offers multiple general improvements as well as new features such as connecting the EXTER K10 and EXTER K20 models to the Profibus module and to a new Ethernet module made especially for these two panels.

Quick and easy intuitive configuration

Information Designer's easy-to-learn usability makes it easy to create applications that are logical and user friendly, enabling flexible and efficient interfaces between systems, machines and operators. Ready-made templates and symbols, intuitive configuration tools and built-in help-functions make the design process easy. You can get your first application running in under 10 minutes, creating applications by simply pointing and placing on the screen. The visual environment provides a complete overview in the project manager, so you can see what's happening in the process and an off-line simulator enables instant application testing. Information Designer has multiple language usability for international applications.

Also in this issue...

- Beijer Sun-readable panels
- Beijer Cimrex to Exter Conversion
- GE MDS NEW Mercury Radio

New Sun-Readable Exter Panels

Coming Q4 2008...

Affording aesthetic appeal combined with anti-glare capability, this elegant and robust black sun-viewable operator interface panel offers compact functionality, outstanding daylight readability and a 100% dimmable backlight for first-class night-time vision. EXTER T70sr-bl is the ideal all-hours, all-weather HMI solution for all outside applications, from the Oil & Gas sectors to Marine & Offshore environments. The operator interface panels are completely interoperable with all major brands of automation equipment and possess certification from major classification societies.

The IP66 classified front is resistant to high pressure water jets and the easy-to-use Information Designer software makes configuration simple.

EXTER T70sr-bl - With 640 x 480 pixels, the high-resolution 6.5" TFT display guarantees first-class all-conditions viewing in addition to large viewing angles.

EXTER T100sr-bl - With 800 x 600 pixels, the high-resolution 10.4" TFT display guarantees first-class all-conditions viewing in addition to large viewing angles.

EXTER T150sr-bl - With 1024 x 768 pixels, the high-resolution 15.0" TFT display guarantees first-class all-conditions viewing in addition to large viewing angles.



Last Time Buy for Cimrex 30, 41, 60, 67, and 69: 12/31/2008

Cimrex 5	Text based operator terminal w/ 2*16 characters. Backlit LCD. 4 Function keys. *Suggested Exter - Exter K10m	
Cimrex 10	Text-based operator terminal w/ 2*20 characters. Backlight LCD. 5 function keys. *Suggested Exter - Exter K10m	
Cimrex 12	Text-based operator terminal w/ 24 V DC power supply and RS485 communication port. Displays 2*20 characters - Backlit STN-LCD *Suggested Exter - Exter K10m	
Cimrex 20	Text-based operator terminal w/ 4*20 characters. Backlight LCD. 5 functions keys, 5 LEDs. *Suggested Exter - Exter K20m	
Cimrex 30	Discontinued: 12/31/2008	*Replacement Product: EXTER K30m
Cimrex 41	Discontinued: 12/31/2008	*Replacement Product: EXTER T40m also available in colour as T40t*
Cimrex 60	Discontinued: 12/31/2008	*Replacement Product: EXTER K60
Cimrex 67	Discontinued: 12/31/2008	*Replacement Product: EXTER T60m
Cimrex 69	Discontinued: 12/31/2008	*Replacement Product: EXTER T60c

Moving From Cimrex to Exter

It's easy to upgrade to EXTER

The EXTER series is the next generation in the evolution of operator panels, affording all the functions and features provided by CIMREX while delivering new ones. With all the tools and expertise you need to make the conversion from CIMREX easy, the EXTER series is your future-proof choice for the operation and monitoring of industrial and marine processes.



- **Improved displays**

EXTER affords enhanced resolution and brightness, provides improved display-viewing conditions and presents a wider range of viewing angles.

- **Built-in Ethernet**

EXTER offers Ethernet alternatives for all models, with most models featuring a built-in 100 Mb/s Ethernet port while CIMREX requires an expansion card and only supports 10 Mb/s.

- **Support options for USB**

EXTER offers the options of upgrading projects and file transfer with USB, with most models featuring a built-in USB port.

- **Higher IP classification**

As an improvement on CIMREX's IP65 front, the EXTER operator panel has an IP66 front which provides resistance to penetration by dust and high-powered water jets.

- **Off-line simulation**

EXTER's configuration software, Information Designer, features an off-line simulator enabling instant application testing and providing a complete overview of the running application.

- **Support for Windows fonts**

EXTER supports all Windows TrueType standard fonts.

- **RoHS compliance**

The EXTER series complies with the RoHS directives.

- **Immediate web access**

The EXTER operator panel features a built-in VNC server that enables immediate access to the panel from your PC over the Internet and provides higher performance compared to CIMREX.

- **Easy installation**

Installing the EXTER is easy, with the brackets specially designed to pull the panel against the cabinet from the inside, saving time and eliminating the need for additional screw holes.

- **Easy replacement in existing applications**

Where needed, Beijer Electronics' adapter plate enables the EXTER to be installed in the original installation previously used by your CIMREX panel, ensuring a precise fit.

- **Reuse your existing cables**

The RS232 port on the EXTER operator panel complies with PC standards. We recommend using an EXTER cable when replacing your CIMREX. Should you find difficulties changing from the existing cable, you can easily continue to use your present cable with Beijer Electronics' CAB12 adapter between the existing cable and the EXTER panel. The RS422 port is identical to the one on your CIMREX.



GE MDS Mercury 900™

Features

- Multi-megabit Speed
- QoS
- OFDM Encoding Technology
- Adaptive split for optimal duty cycle calculation
- Long Range Coverage—up to 25 miles
- Receive Diversity
- Multiple Layers of Cyber Security, including AES-128 Encryption and RADIUS Authentication
- Extended Temperature Range
- Class 1 Div 2 for Hazardous Locations

Applications

- Multi-functional mobile data access, to include text, high-res images, access to agency Intranet, streaming video, VoIP, and more
- High speed, low latency for SCADA and polling applications
- High speed, backhaul alternative
- Long range wireless Ethernet
- Gateway for serial/legacy networks and/or devices to IP networks

GE MDS...Global wireless solutions. Industrial Wireless Performance.

For more than two decades, GE MDS has been providing highly secure, industrial strength mission critical wireless communications solutions for a broad spectrum of public and private sector clients worldwide. With an installed base approaching 1,000,000 radios in 110 countries, GE MDS offers both licensed and license-free solutions with applications in SCADA, telemetry, public safety, telecommunications, and online transaction markets.

Introducing MDS Mercury 900™

The Mercury 900 is a multi-megabit, long-range, industrial wireless IP/Ethernet solution, with advanced cyber-security. Featuring QoS, the Mercury 900 is able to be optimized for your specific application, whether mobile data, video surveillance, VoIP, or SCADA polling. In addition Mercury 900 is based on OFDM which enables it to use multipath to its advantage to enhance radio coverage.

The multiple interfaces of Mercury 900 facilitate the communication of Ethernet and/or serial devices through an IP network. The radio operates in the license-free 902-928 MHz ISM band at distances of up to 25 miles¹ and with user throughput under optimal point-to-point conditions of over 8 Mbps.

The Mercury 900 provides the best combination of range and speed in the industrial market today.

Why use an MDS Mercury 900™ Wireless Networking Solution?

Multi-megabit longest range product in the industrial class.

Reliable communications for your specific application by virtue of QoS and OFDM
Secure wireless operation – with multiple layers of protection, including AES-128 encryption, 802.1x and RADIUS authentication - current industry standards. This standard level of protection is supplemented by 900 MHz physical layer privacy.

Industrial reliability – Designed and built for low failure rates and reduced maintenance costs thereby providing low total cost of ownership.

Future proof – Mercury 900 adheres to open standards and interfaces with a wide range of external devices, allowing both new and old technologies to communicate.

Comprehensive Network Management – Compatible with MDS NETview MS™ and any standard off-the-shelf SNMP management



GE MDS