

# Mega-Net™

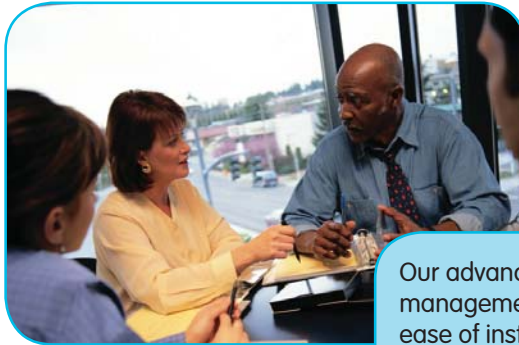
High Power AMI



# AMI Implementation Services

Once the decision to upgrade your utility's metering or reading system is made, accelerated installation maximizes project cash flow. The faster and more efficiently that inaccurate meters are replaced and cost-saving AMR/AMI technologies installed, the faster utility revenue increases. Elster AMCO Water offers integrated solutions to empower utilities with the capability to capture revenue and efficiency improvements without sacrificing attention to daily operations.

With our experienced project management and trained field installation teams focused on your replacement / upgrade program, installation proceeds quickly and with minimum disruption to your customers. Once you select the AMR/AMI technology that complements our full line of high quality water meters, we drive your meter replacement, register conversion and AMR/AMI technology deployment to your specifications. While your staff continues to support daily utility operations, we can devote our full-time efforts to keeping your project on schedule and on budget - with the entire project supported by the world's leading water utility solutions provider.



Our advanced project management services ensure ease of installation, seamless integration, and increased cost savings for your water business

## Mega-Net™ AMI Solution

### MTU

The Mega-Net MTU has one operational mode - full two watts of power output in each transmission, without any reduction to warranty. Based on two and a half decades of expertise and experience deploying Fixed Networks in the demanding security industry, Mega-Net technology employs field proven levels of safety measures to protect the data, creating the most reliable communication system offered to the AMI industry. Security measures include time slots, channel monitors, data package repetitions and many others.

#### Features

- Two watt power output achieving the longest range industry wide
- FCC licensed frequency
- Instant installation verification
- Easy plug & play installation
- Smart leak detection – extreme or residual
- Backflow detection
- Automatically transmits critical alerts
- Universal MTU
- Multi-port configurations
- Digital pulse configuration
- Field replaceable lithium battery pack



### SMR5000™

The SMR5000 Radio Collector is a high powered long range device that receives signals from the MTU's and forwards them to the head-end receiver.

#### Features

- Full 6 Watts of power
- High quality robust design for outdoor installation
- Automatic protocol detection
- 4 transceivers capable of up to eight channels combined
- Memory buffer for more than 1,000 messages
- Easy installation
- Efficient laptop or PC programming
- Excellent lightning protection
- AC mains protection



# Head End Receivers



**DTRC5000™**

## DTRC5000™

The DTRC5000 is a compact, easy-to-install, radio transceiver interface with multifunctional capabilities that complement the radio control monitoring systems and networking equipment. The DTRCI achieves unmatched processing and communications speed using a field-proven internal IATS transceiver and a superior highly advanced CPU design.



**RCI5000™**

## RCI5000™

The RCI5000 provides a reliable and robust means of centralized control and monitoring for medium to large scale projects. It receives, decodes and transfers messages to complementary software offering fully automatic functionality from a single location. The internal construction of a synthesized radio and high speed processor offers the best long-range wireless solution for a control center. The RCI5000 acts as an interface between the wireless infrastructure and computers, yet enables manual control if the computer fails.



**EXR5000™**

## EXR5000™

The EXR5000 - External Base Radio Station is an endurance plus high performance base station radio transceiver at the heart of the monitoring and control system. It offers durability and high functionality, receiving signals from the MTU's and collectors.

### DTRC5000

#### Features

- Remote software programming
- Multi-protocol, receive and transmit different protocols on one unit
- Includes built-in signal strength measurement
- Windows based General Utility Program (GUP5000™)
- Rapid interrogation of end units
- Fast baud rate between the DTRCI and PC
- PC alerts of DTRCI status

#### Key Benefits

- Backup historical memory of previously received messages
- Modular design
- USB, COM and parallel ports
- Illuminated control panel and large LCD display
- Built-in self calculation of interrogation time of remote end-units
- Synthesized internal radios allow easy and rapid frequency changes
- Neighboring utilities can share infrastructure

### RCI5000

#### Features

- Remote software programming
- Multi-protocol, receive and transmit different protocols on one unit
- Includes built-in signal strength measurement
- Windows based General Utility Program (GUP5000™)
- Efficient use of protocols
- Rapid interrogation of end units
- Fast baud rate between the RCI and PC
- PC alerts of RCI status

#### Key Benefits

- Backup historical memory of previously received messages
- Modular design enables expansion
- USB, COM and parallel ports
- Illuminated control panel and large LCD display
- Built-in self calculation of interrogation time of remote end-units
- Synthesized internal radios allow easy and rapid frequency changes
- Can work with up to four different external radios or up to two internal radios
- Neighboring utilities can share infrastructure

### EXR5000

#### Features

- High quality, high selectivity radio transceiver
- High power output - 10 or 25 Watt output models
- Built-in signal strength meter for transmitter installations and signal maintenance measurements
- Internal wide range switching power supply and long-lasting backup battery
- Digital radio design enables rapid unit modulation
- Internal lightning surge arrester gives excellent protection
- Robust mechanical design fits a 19" rack mount

## About Elster AMCO Water, LLC

Located in Ocala, Florida, Elster AMCO Water is part of Elster, the world's largest metering and smart metering system solution company. Elster AMCO Water is an industry leader in the development and implementation of innovative metering and system solutions and is committed to delivering superior customer service, quality products, solutions and services to the water utility industry.

## About Elster Group

Elster has delivered over 1.5 million smart metering devices worldwide with systems located in North America, Central America, Europe, Australia, New Zealand and the Caribbean. Elster smart metering systems allow utilities to implement energy conservation measures, demand response programs, smart grid initiatives, and smart home solutions as well as achieve operational efficiencies resulting in significant value creation across the utility enterprise. Elster has over 7,500 staff and operations in 38 countries, focused in North and South America, Europe, and Asia.

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