



MILLENNIUM ENERGY CONSULTANTS, LLC

METERING SYSTEMS INSTALLATION

“AMI system design shall ensure that compromise of a single Smart Meter does not lead to compromise of the AMI system at large.”

NEMA SG-AMI 1-2009, Section 4.3

TECHNICAL SUPPORT SERVICES

INSTALLATION

Turnkey installation services for electric, gas, water, IoT, and steam metering hardware, software and communications infrastructure.

REPAIRS

Metering system on-site diagnostics, repair and refurbishment support services.

OPERATIONS SUPPORT

Program Management Support Services for AMI and AMR Systems.



METERING SYSTEMS

INSTALLATION, REPAIRS AND OPERATIONS SUPPORT SERVICES

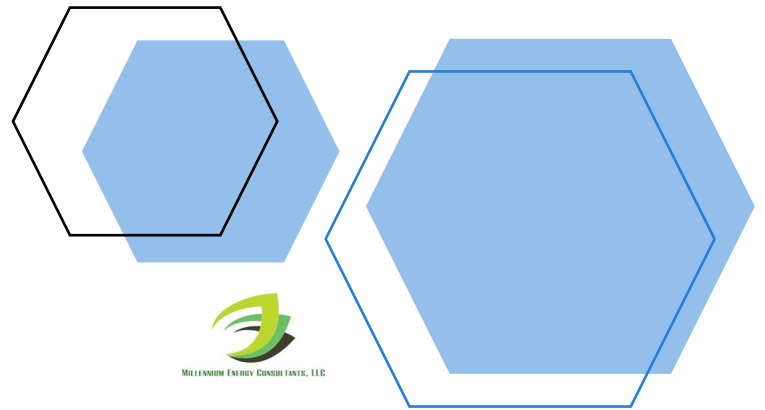
Millennium Energy Consultants provides turnkey installation, repair, and operations support services for electric, gas, IoT devices, water, (AMI), and (AMR) metering systems hardware, software, and 2-way communications infrastructure. Advanced and sub-meters are essential for recording energy consumption hourly or more frequently, and reporting electricity, natural gas, water, steam, usage at least daily to a software front-end system.

INSTALLATION

METERING INSTALLATION SERVICES

Millennium Energy Consultants has turnkey installed advanced metering and sub-metering systems in a variety of operational environments to assist facility owners and operators with monitoring, analyzing, optimizing and reporting on utilities consumption, power quality management, utilities billing errors, critical facility risk management, Demand Response, and measurement & verification (M&V) of installed energy conservation measures (ECM's).

For example: This picture (left side) was taken at our turnkey installation project site of two PowerLogic ION 7650 power meters for a **General Services Administration (GSA)** operated data center. The project also included the installation of fiber optic and Ethernet cable runs, programming, commissioning, utility company CT's interconnection, media converters, GSA network IP address, and integration of the two new ION meters into the GSA ION front-end software system.



METER REPAIRS

METER REPAIRS AND FIELD RETROFITS

Millennium Energy Consultants has experience with conducting site audits to analyze and diagnose failed or off-line electrical and mechanical metering. Our field analysis/diagnostics technical experience also includes meter communications (COMMS) issues, utility company metering interconnection issues, collaborating with local utility companies, human-error factors, and 3rd party device(s) integration interference issues.

For example: This picture (left side) was taken at one of our project (**EPA- Headquarters Building**) sites, where Millennium Energy Consultants was contracted to diagnose a failed customer owned/operated socket-type advanced electric meter, including field retrofit (replacement) of the failed device shown in the picture (left side-with open enclosure) by our electrical technician.



OPERATIONS SUPPORT

AMI/AMR PROGRAM MANAGEMENT SUPPORT

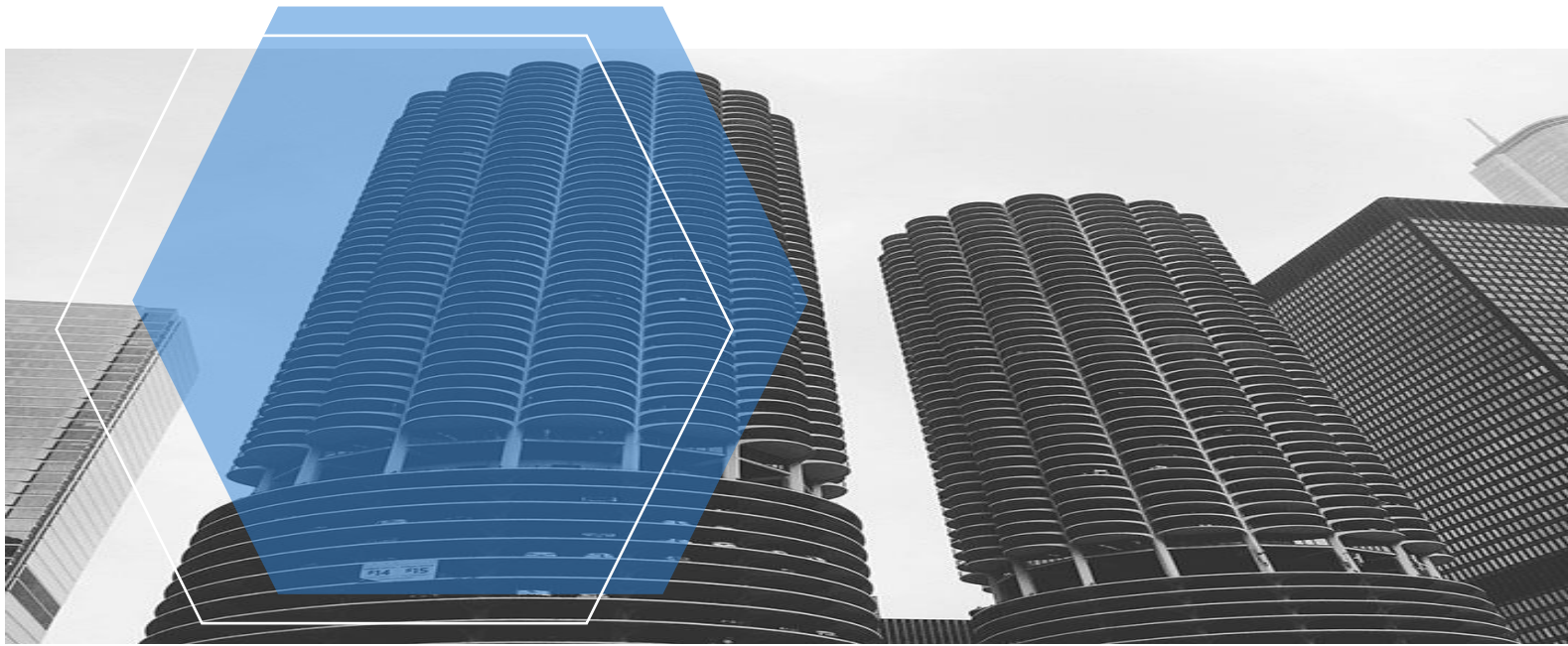
Millennium Energy Consultants provides operations and program management technical support services to companies or facilities, who own, operate, service or maintain AMI/AMR systems, and require assistance with out-sourcing specific operational, maintenance, or continuous monitoring aspects of the systems hardware, software, communications backbone or 3rd party integrated devices. We can offer to you on a short or long term out-sourced agreement basis, AMI/AMR technicians, software system administrators, RCDD's, professional engineers, Cybersecurity Officers, and program managers all highly skilled, certified, and knowledgeable.



We are fully aware that operational technology (OT) such as electrical and mechanical metering, SCADA, Energy Management Information Systems (EMIS), and Internet of Things (IoT) IP addressable intelligent devices, play a critical and vital role in buildings and facility operations, safety, and security. These systems quite often are converged with information technology (IT) systems, to provide for seamless asset management operation across the corporate enterprise. Our Operations Support teams are very motivated to assist you with maintaining your asset management and systems operational “up time”, and ensuring that your buildings, facility or campus functions in the most secure, effective, and optimal manner possible.

Highly publicized IT network unauthorized access like the Target breach, which was initiated via a Target location 3rd party refrigeration contractor, clearly demonstrates the serious need for owner/operators to ensure that all operational technology is “secured” and “hardened”. Millennium Energy Consultants technical operations support Cybersecurity Officers are trained, certified, and proficient with assessing, securing, hardening, and continuously monitoring wired and wireless Industrial Control Systems (ICS), and can help you to obtain or maintain critical IT network security defense compliance standards and certifications.





EXPECTED TECHNICAL SERVICE BENEFITS

- EXPAND YOUR CURRENT TECHNICAL STAFF CAPABILITIES
- AFFORDABLE SHORT AND LONG-TERM SERVICE AGREEMENTS
- TRAINED, CERTIFIED AND EXPERIENCED PERSONNEL
- NATIONWIDE FOOTPRINT SERVICES COVERAGE
- SWIFT SITE MOBILIZATION-DISASTER RECOVERY SUPPORT
- LOWER YOUR OPERATING COST
- MORE ENERGY EFFICIENT AND SECURE FACILITIES
- INCREASE AMI/AMR/SCADA/ EMIS SYSTEMS UPTIME & RESILIANCE
- ENHANCED FACILITY ASSET MANAGEMENT SERVICES
- MAINTAIN COMPLIANCE STANDARDS



MILLENNIUM ENERGY CONSULTANTS, LLC

CONTACT MILLENNIUM ENERGY CONSULTANTS TO START YOUR TECHNICAL SUPPORT SERVICES NOW

TO RECEIVE A QUOTE-EMAIL US: INFO@MILLENNIUMENERGYCONSULTANTS.COM

TO LEARN MORE-VISIT OUR WEBSITE: WWW.MILLENNIUMENERGYCONSULTANTS.COM
