

## Communications Solutions for UTILITIES

*“Utilities today find themselves at an exciting nexus of opportunity where their fundamental business model is shifting: their workforce is evolving, their customers’ expectations are changing and they must respond rapidly to these pressures with innovative technology solutions while protecting their people and assets from cyber threats.”*

*– Ken Landrum, Opportune.com*

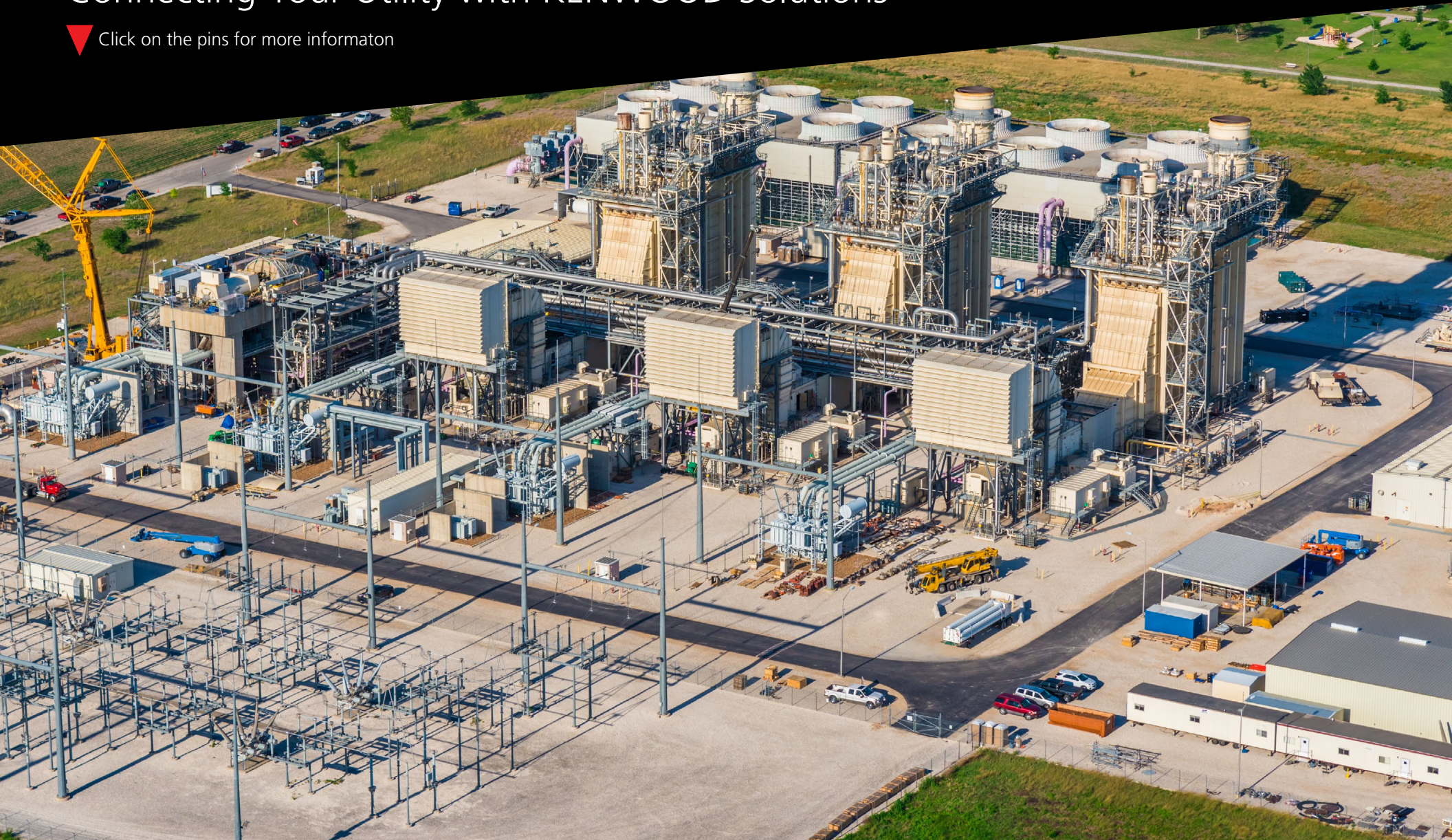
### **LEARN HOW**

*KENWOOD radios and systems can work for you:*



# Connecting Your Utility with KENWOOD Solutions

Click on the pins for more information



Electric, gas and water utilities provide the essentials of modern life. They must be responsible to customers every day, while simultaneously prepared to respond to emergencies. These demands for day-to-day operations and disaster recovery require reliable communications.



# Ensuring Worker Safety



**\$12,675**  
**FINE** PER WORKPLACE  
SAFETY VIOLATION

*Penalty for OSHA workplace safety violation*



## ENSURE WORKER SAFETY

Report accidents and manage team communications in a fraction of a second with two-way radios



***“Electrical utility work is vital to everyday life. It may not get a lot of attention until there is a power outage, but it is a prevalent part of our home, school, work, economic, and leisure activities. Accidents... can have deadly and tragic consequences that extend far beyond the job site.”***

*– Energy Education Council*

MIL-SPEC



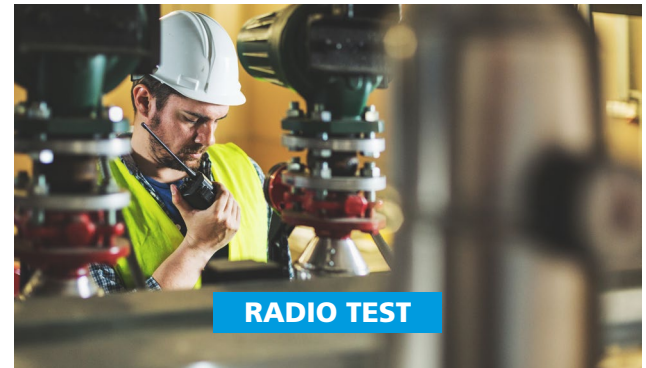
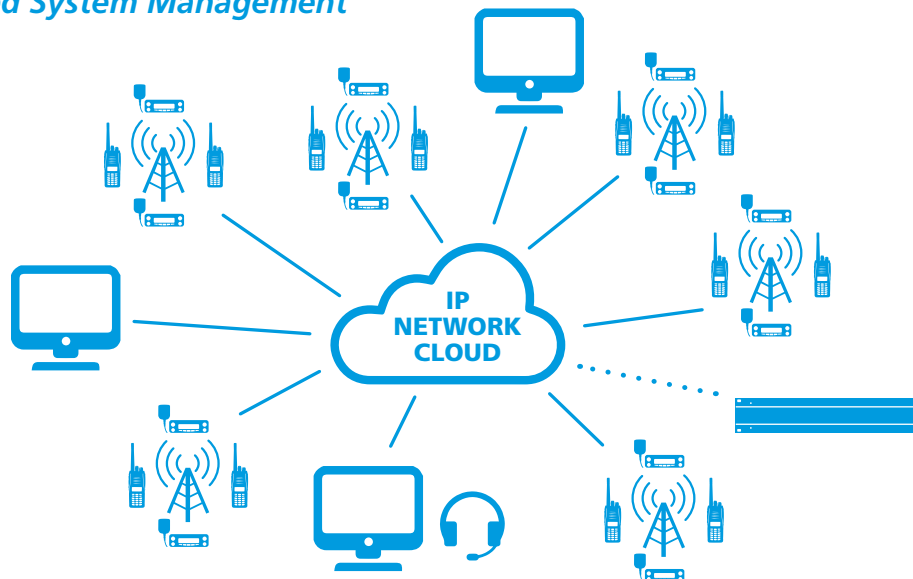
# Improving System Efficiency



## NEXEDGE® GEN2 DIGITAL TRUNKED SYSTEM

KENWOOD NEXEDGE Gen2 is a scalable, flexible solution to wide area communications, connecting up to 1,152 sites across regions, tie into IP assets for optimum control of all your wireless voice and data devices.

- ▶ *Single System & Multi-system Wide Area Coverage*
- ▶ *High Speed Processing*
- ▶ *Web Based System Management*



*“Utilities...must modernize their grids, installing smart meters, sensors and communication technologies that allow greater visibility into the system and two-way power flows.”*

– Utility Dive, January 2017



# Protecting System Continuity

**\$45.7  
BILLION**  
LOST ANNUALLY TO  
**OUTAGES**

AND  
ANOTHER

**\$6.7  
BILLION**  
LOST ANNUALLY TO  
**POWER QUALITY  
DISTURBANCES**



*Electric Power Research Institute (EPRI)*



***“Utilities around the globe are being challenged to improve service delivery while at the same time deal with security threats that aim to take down their operations. Utilities have traditionally relied on... mission critical Land Mobile Radio (LMR) voice systems to provide communications to their field employees.”***

*– Making the Right Choice, Utilities Telecom Council*

Reliability and resiliency of communications networks have been tested during major storms, including Hurricane Katrina and Superstorm Sandy, when private networks remained operational while commercial communications systems were out for extended periods of time and over wide areas.

A robust communications system allows utilities to isolate transmission line faults and reroute power during blackouts.

Communications networks are the last line of defense to protect utilities from cyber and physical attacks.

# Selecting Your Solution



## NEXEDGE® DIGITAL SYSTEMS

Comprehensive and flexible solutions for utilities include NEXEDGE portable and mobile two-way radios, essential for day-to-day-communications, enhanced with renowned KENWOOD audio and advanced digital features. A custom NEXEDGE system, coordinated by a central command-and-control, links multiple sites and channels.



**NX-3000**



**NX-5000**



**NX-5400K3**



**NX-3300K2**



**NX-410/11**



**NX-5900K**





## LEARN MORE ABOUT KENWOOD SOLUTIONS FOR LEADERS IN UTILITY:

JVCKENWOOD USA Corporation

1440 Corporate Drive

Irving, TX 75038

[kenwood.com/usa](http://kenwood.com/usa)

1-800-950-5005

JVCKENWOOD Corp. manufactures analog and digital two-way radios, including P25 compliant and NEXEDGE® radios that use the NXDN® protocol. JVCKENWOOD USA is a member of the Utility Telecomm Council (UTC) and provides complete turnkey system solutions for major utilities across the U.S. KENWOOD radios and systems are also used by public safety, government, education, healthcare, and in major business and industrial markets.