

# Field Wireless Infrastructure



Improved communication with critical outage personnel

## Every Innovation Has a Mission

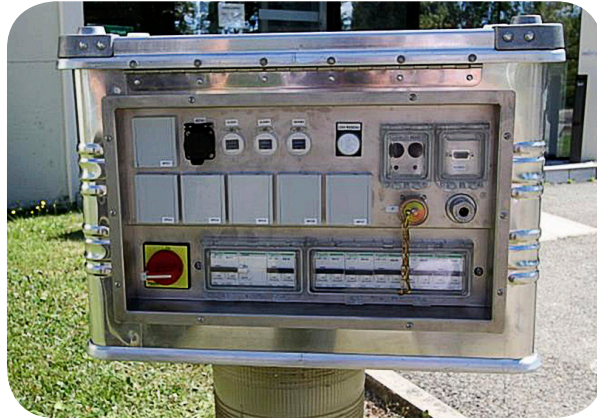
One of utilities' top priorities in the 21<sup>st</sup> century is securing their operational excellence. Tangible results that ensure safety, quality, performance and delivery are paramount. Your teams can count on AREVA to deliver innovative solutions that:

- Reduce cost
- Reduce critical path time
- Reduce overall dose
- Increase task safety and efficiency
- Resolve emergent issues quickly
- Improve plant performance

## AREVA Field Wireless Networks

Increasing complexity and security concerns are leading to an ever-increasing number of sensors in industrial facilities. Wiring new sites or retro-fitting existing sites is not an option, in many cases, due to installation costs and extended operation down-time. Connecting sensors and valves wirelessly reduces both the cost and down-time and is the solution for next-generation industrial wireless monitoring. That's why AREVA offers wireless network solutions, including:

- ARMONIC – AREVA Mobile Network Inside Containment
- ARPER – Long Range Platform



## Features & Benefits

- Reduce time spent in sensor network deployment
- Use the wireless infrastructure for service support in real-time
- Rugged case with computational power for monitoring audio and video
- Perform testing within the plant without cabling, reducing outage time

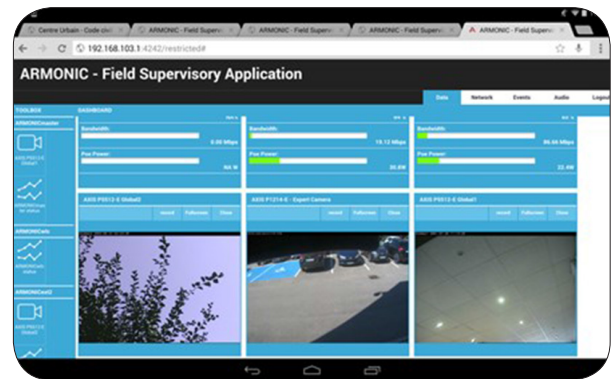
## ARMONIC (AREVA Mobile Network Inside Containment)

The AREVA Mobile Network Inside Containment (ARMONIC) is a multipurpose hybrid wireless infrastructure, or Field Network, that creates local work-site related communication zones, providing your field personnel with a base set of services within containment. Your site personnel get audio, video and data communication in real time.

The latest version — ARMONIC V2 — provides you with a new modular and flexible network architecture containing a Master module and Extension modules, allowing different layouts that suit your site needs.

## ARPER (Long Range Platform)

AREVA's Long Range Platform (ARPER) is the latest development in a new generation of long range wireless communication platforms. This innovative solution connects a large number of smart sensors and actuators to a wireless infrastructure that can communicate through the walls of major installations like nuclear power plants, replacing the need to extensively wire installations. Using Ultra Narrow Band (M2M LTE), utilities can now perform testing within the plant without cabling, which can reduce outage time as much as 4%.



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