

AMS Wireless SNAP-ON™ Application

- Plan your wireless network and compare it to best design practices
- Troubleshoot your wireless network quickly and easily with graphical displays
- Maintain your wireless network with reports of key network parameters



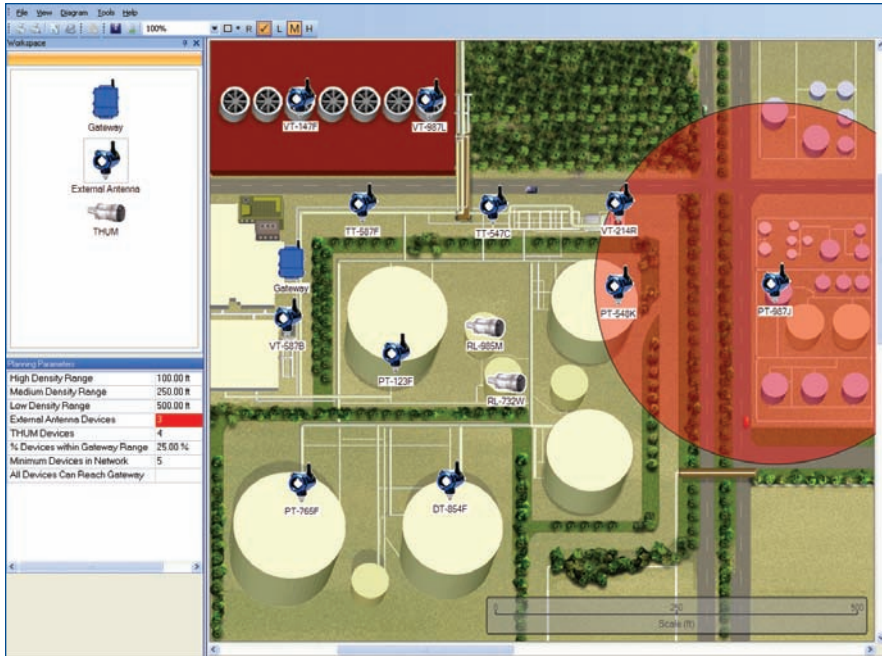
Using an aerial image of your facility, you can plan your network and check it against best practices.

Managing Your Wireless Network

AMS® Suite: Intelligent Device Manager streamlines daily maintenance activities and allows you to manage your HART®, FOUNDATION™ fieldbus, and wireless devices from a single application. With AMS Device Manager, you can utilize the powerful predictive diagnostics in your smart field devices with automated documentation, streamlined

calibration, and easy configuration.

The AMS Wireless SNAP-ON application gives you more power to manage your wireless networks. Plan your network and validate it against best design practices. After your wireless network is installed, you can graphically view communication paths, allowing you to identify any potential trouble spots.



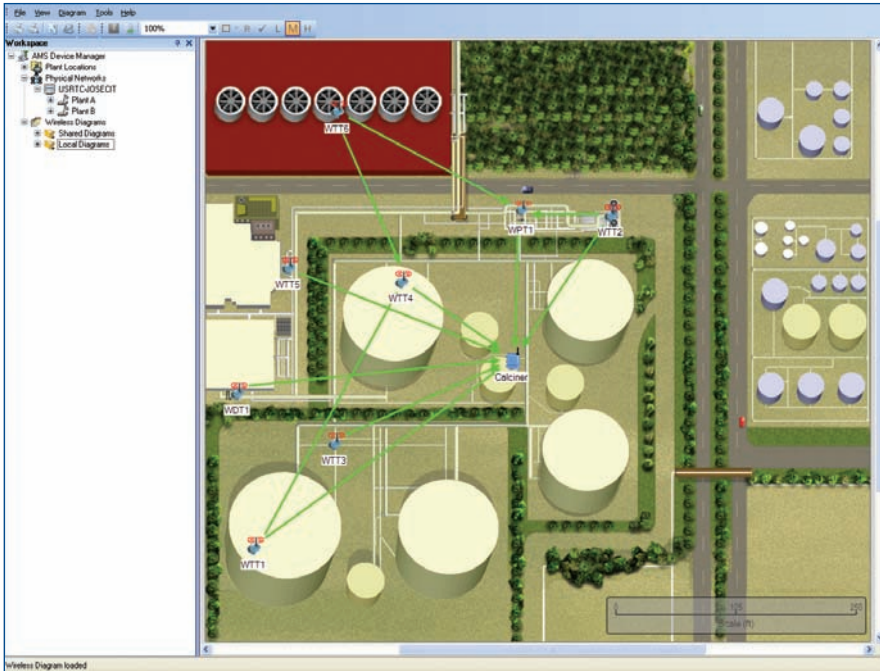
Use the AMS Wireless SNAP-ON application to plan and validate your wireless network against best practices to optimize device communication paths.

Plan Your Network Using Best Practices

The AMS Wireless SNAP-ON application allows you to import an image of your plant or process unit for customized planning of your wireless network. After you define your image, you can drag and drop devices to plot your network.

Once your device layout is complete, the AMS Wireless SNAP-ON application checks your plan against Emerson factory-recommended best practices or against custom parameters that you set. The AMS Wireless SNAP-ON application graphically illustrates deviations from best practices, so you can easily see how to optimize your network.

When you have finalized a network design, you can export the image to include in your project documentation.



Use the graphical network communication display to identify potential trouble spots.

Optimize Your Wireless Network

Once your wireless network is installed, the AMS Wireless SNAP-ON application will display the communication relationships between devices. This presentation gives you a comprehensive overview of your self-organizing network and helps you to identify potential trouble spots such as pinch points.

See key diagnostic and performance parameters by scrolling over each device and launch directly into AMS Device Manager for additional device details. You can also export the live view as an image to send to an offsite expert.

Interface Architecture

The AMS Wireless SNAP-ON application communicates through AMS Device Manager and supports the Smart Wireless Gateway and the devices connected to it. Installation is quick and easy and Emerson's SmartStart™ Services are available to help you get started.

| Device Tag | Status | Number of Neighbors | Average reliability | Battery Voltage | Update Rate | Gateway |
|------------|--------|---------------------|---------------------|-----------------|-------------|----------|
| VT 08C3 | ✓ | 2 | 100.00 | 6.73 V | 60 s | Boiler B |
| VT 15C0 | ✓ | 2 | 100.00 | 7.00 V | 60 s | Boiler B |
| VT 15D4 | ✓ | 3 | 100.00 | 7.05 V | 60 s | Boiler B |
| VT 15E7 | ✓ | 3 | 100.00 | 7.06 V | 60 s | Boiler B |
| VT 15E8 | ✓ | 3 | 100.00 | 7.10 V | 60 s | Boiler B |
| VT 893E | ✓ | 3 | 100.00 | 6.80 V | 1800 s | Boiler A |
| VT 893B | ✓ | 1 | 100.00 | 6.75 V | 1800 s | Boiler A |
| VT 893F | ✓ | 2 | 100.00 | 6.76 V | 1800 s | Boiler A |
| VT AE3B | ✓ | 3 | 100.00 | 6.23 V | 1800 s | Boiler A |
| VT AE57 | ✓ | 2 | 100.00 | 6.71 V | 1800 s | Boiler A |
| WDT1 | ✓ | 1 | 100.00 | 8.02 V | 30 s | Cabinet |
| WPT1 | ✓ | 3 | 100.00 | 5.85 V | 30 s | Cabinet |
| WTT1 | ✓ | 2 | 100.00 | 7.54 V | 30 s | Cabinet |
| WTT2 | ✓ | 1 | 100.00 | 9.75 V | 30 s | Cabinet |
| WTT3 | ✓ | 2 | 100.00 | 5.85 V | 30 s | Cabinet |
| WTT4 | ✓ | 3 | 100.00 | 7.54 V | 30 s | Cabinet |
| WTT5 | ✓ | 1 | 100.00 | 7.95 V | 30 s | Cabinet |
| WTT6 | ✓ | 1 | 100.00 | 6.99 V | 45 s | Cabinet |
| WTT2 | ✓ | 4 | 100.00 | 5.91 V | 60 s | Cabinet |

Customized reporting allows you to streamline maintenance by showing only the information you need.

Maintain Your Wireless Network

With the AMS Wireless SNAP-ON application, it is easy to keep your wireless diagnostics organized – even across multiple Smart Wireless Gateways. Customize reports by moving or removing columns and by sorting and filtering. Custom reports allow you to quickly find the information you need.

These are a few of the fields you can use in your reports:

- Device tag / Gateway
- Battery voltage
- Update rate
- Ambient temperature
- Status
- Parents / children / neighbors

If you identify an issue in your network, you can export the report directly to an Excel file and send the work request to the appropriate person or department. With the advanced diagnostics and functionality available in the AMS Wireless SNAP-ON application, maintaining your wireless network is simple.

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AMS Suite: Intelligent Device Manager powers PlantWeb through predictive and proactive maintenance of intelligent field devices to improve availability and performance.