

# ROC Polling Service Software



The ROC Polling Service software is a key component in the Smart Remote Automation extension of PlantWeb. ROC Polling Service software supports predictive intelligence and remote diagnostics when used in conjunction with AMS Device Manager and either the ROC800-Series Remote Operations Controller, ROC800L Liquid Operations Controller, or a DL8000 with a HART® module.

The ROC Polling Service software resides on the same PC as the AMS Device Manager Server Plus Station, and provides the interface between the AMS Device Manager database and the ROC800 network located in the field (see *Figure 1*).

Currently available in two versions (25 or fewer ROC units or unlimited ROC units), the ROC Polling Service provides an easily configurable interface (complete with on-line help) to address a wide spectrum of ROC configurations in the field today.

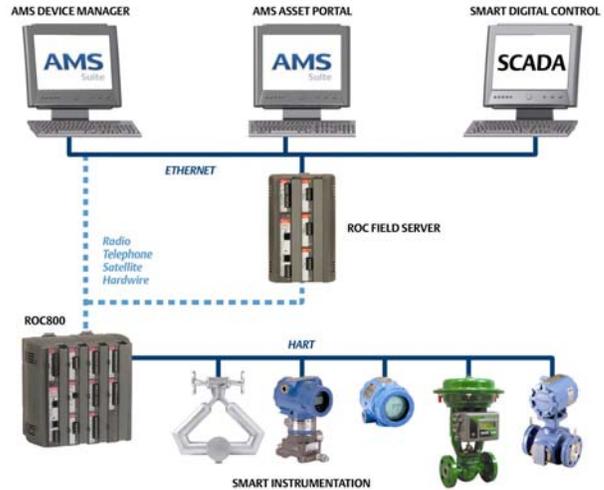
Additional components required to complete the Smart Remote Automation architecture are:

- AMS Device Manager version 10.5 with ROC Network HSI.
- ROC800-Series Remote Operations Controller, ROC800L Remote Operations Controller, or DL8000 Preset.
- HART Pass-through license key.

Dependent upon your configuration, additional components that may be required are:

- ROC HART module (version 1.01 or greater).
- HART field devices.
- ROC Field Server.

The ROC Polling Service software allows you to configure, manage, monitor, and troubleshoot all ROC800, ROC800L, DL8000, and ROC Field Server connections (see *Figure 2*). The graphical user interface (GUI) consists of a graphical “tree” and a communications frame. The tree reflects the hierarchical structure of the field network, consisting of ROC800 units, ROC800L units, DL8000 units, ROC Field Servers, organizational groups, and the ROC Polling Service software.



*Figure 1. Smart Remote Automation architecture with Smart Wireless communications*

The communications frame provides an at-a-glance synopsis of the connection status of individual ROC units or of the ROC Polling Service software itself. This diagnostic drill-down provides an exceptional level of system control and flexibility.

To enhance usability, the program provides software “wizards” that streamline the process of adding new ROC units, groups, or ROC Field Servers. Quick and easy identification of device connection status is made possible with the use of icons and colors (see *Figure 2*).

ROC Polling Service software occupies a small server footprint. The minimum system requirements are:

- Pentium-class processor (500 MHz or greater recommended).
- CD-ROM drive.
- Windows 2000 (with Service Pack 2), or XP.
- SVGA color monitor, 800 by 600 pixels.
- Ethernet.
- 100 MB of available hard disk space.

Software and user documentation are supplied on a CD-ROM.

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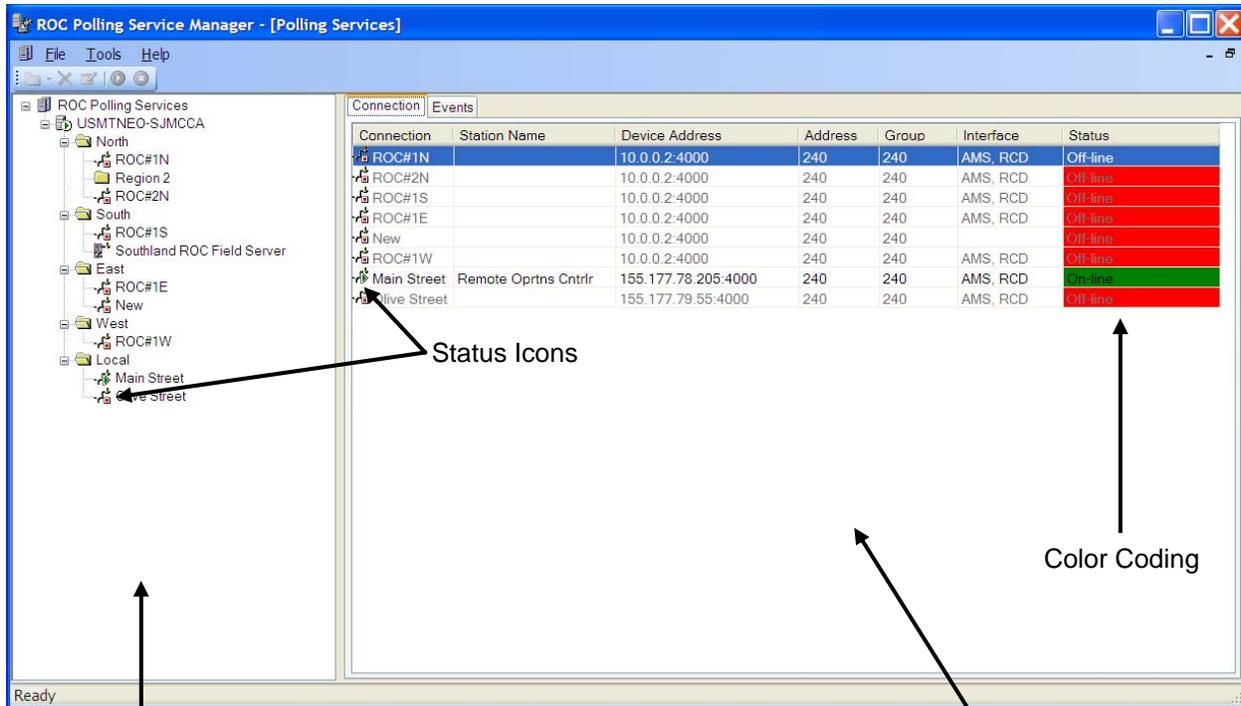


Figure 2. ROC Polling Service GUI

Configuration Tree

Communications Frame

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**Emerson Process Management**  
**Remote Automation Solutions**  
 Marshalltown, IA 50158 U.S.A.  
 Houston, TX 77041 U.S.A.  
 Pickering, North Yorkshire UK Y018 7JA

