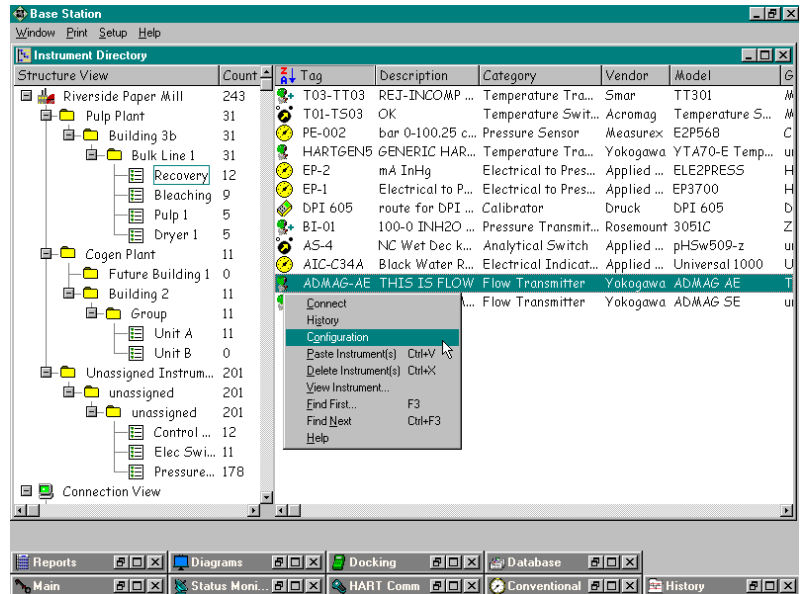


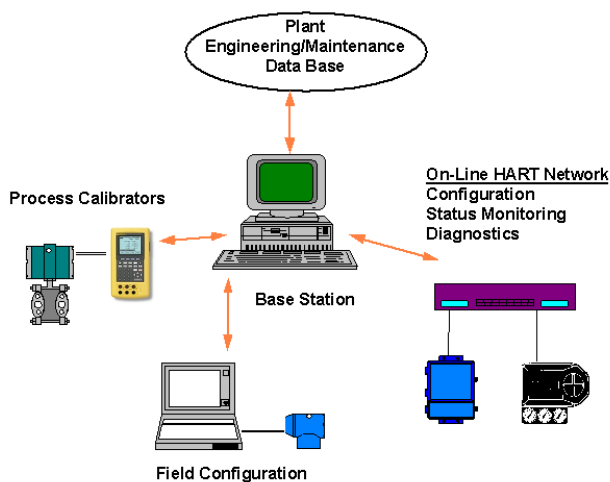


- ◆ **Work with all HART devices.**
- ◆ **Effectively manage both HART and conventional devices.**
- ◆ **Coordinate shop and field tasks.**
- ◆ **Set up networked access by multiple stations to shared database files.**
- ◆ **Make remote connections over HART multiplexer networks.**
- ◆ **Schedule, track and record process calibrations. Interface to the latest process calibrators.**



Cornerstone Base Station manages the commissioning, calibration and maintenance of industrial instruments. Base Station supports HART and conventional instrumentation. Create your HART database simply by connecting anywhere on the instrument loop. Base Station maintains a comprehensive instrument data base, with individual histories of the configuration, test, calibration and maintenance activities performed on each instrument.

Benefit from savings in the collection, recall and reporting of maintenance information. Increase the accuracy and standardization of calibration practices. Gain easy digital access to the improved features of HART instruments. Customize tag, plant, and service data. Use Base Station's itemized record keeping to support compliance with audit requirements. All of this at your fingertips in an easy to use graphical interface in Microsoft Windows.

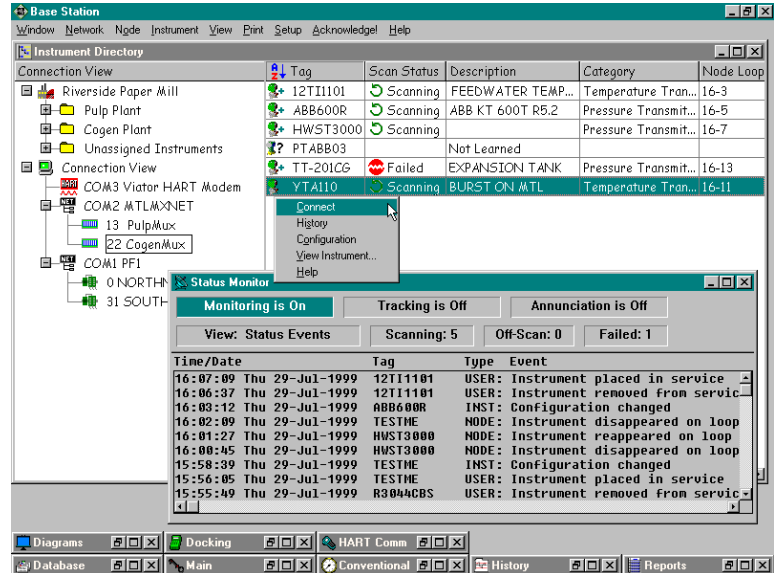


Base Station stays current with the standard HART tables distributed by the HART Communication Foundation. Using these tables and the HART universal and common practice command sets, Base Station can communicate with any HART compliant device, even those not yet registered in the tables. Access to device specific parameters and functions is accomplished through a Cornerstone Model Support Library customized to the individual device.

Use Base Station to create a central HART maintenance station with remote access to field devices over networks of HART compatible multiplexers. Periodically scanned HART process data and device status retrieved over these network connections are then accessible by other applications via Dynamic Data Exchange (DDE).



- ◆ Detect status changes in field devices.
- ◆ Automate building and updating your instrument database.
- ◆ Speed up commissioning by validating “as installed” device configurations.
- ◆ Track and automatically record configuration edits made in the field.



Cornerstone™ Instrument Status Monitor (ISM) adds device status display, network learn, and configuration tracking features to Cornerstone Base Station or to Cornerstone Configurator. ISM network functions help you realize the full digital benefit of HART interoperability. ISM complements and enhances your existing control solution, without forcing the adoption of a new strategy.

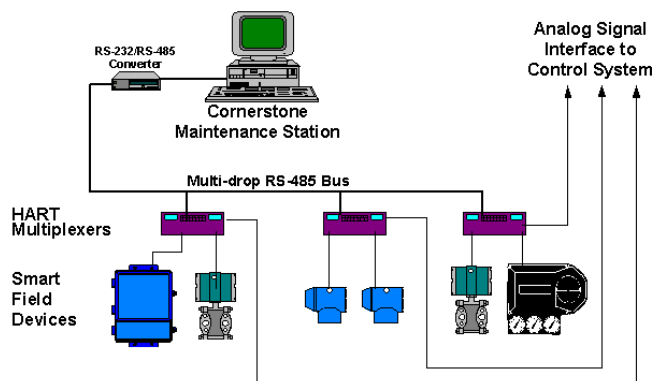
ISM polls networks of HART multiplexers to scan instruments located throughout the plant. This scan retrieves HART process variable and status data. Status changes are posted in the Status Monitor window, and scan status updates select display fields, such as those in the graphical Instrument Directory.

A special ISM function performs an Enhanced Network Learn. This powerful feature automates the addition of many new devices to the database in one operation, rather than requiring separate connections.

You may choose not to run certain ISM functions continuously, but may invoke them for periodic updates. For example, the Configuration Change Tracking option could be used to detect configuration changes made in the field in the last week. This option automatically updates the database to the current instrument configuration. A history record of the changes is created, which makes it possible to reload the previous parameter settings, if desired.

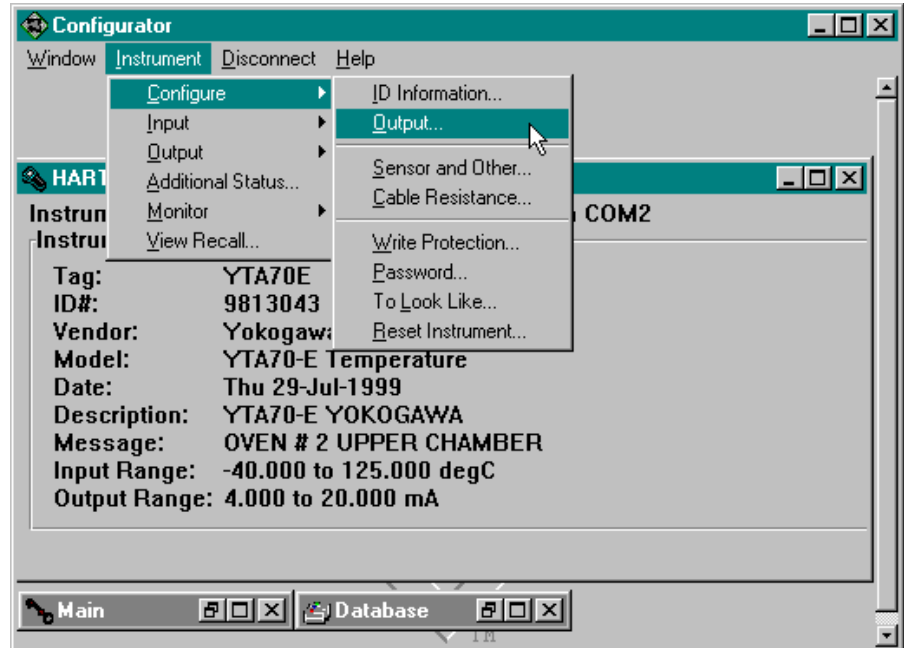
ISM running on a central Cornerstone maintenance station delivers significant time and labor savings. Using the status provided by ISM to identify potential problems, Base Station or Configurator then give you the ability to connect, configure, self-test, trim, monitor, and diagnose without being forced to send a technician to the instrument location every time.

### Cornerstone Maintenance Station HART “Smart” Network





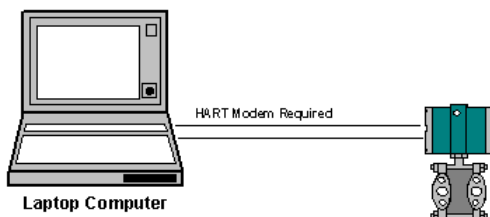
- ◆ **Work with all HART devices.**
- ◆ **Build your instrument database, just by connecting anywhere on the loop.**
- ◆ **Take advantage of the Windows based user interface for easier configuration, diagnostics, test and calibration.**
- ◆ **Save time and effort.**
- ◆ **Doing the work automatically updates the database.**



## Cornerstone Configurator - Why Settle for a Handheld?

### Shop and Field Activities

**Configuration**      **Commissioning**      **Calibration**  
**Status checks**      **Diagnostics**      **Loop checkout**



- ◆ Configurator is easy to use. Field technicians don't have to become software experts.
- ◆ The enhanced user interface, with improved access to parameters and functions arranged in a larger display, makes complex devices simpler to configure and maintain.
- ◆ Configurator provides structured test and calibration procedures that pick up where handhelds leave off.
- ◆ Use Configurator to dynamically monitor HART process variables and instrument status.
- ◆ Configurator works with all Cornerstone supported HART multiplexers to become a low cost centralized maintenance station.
- ◆ Export the instrument data from Configurator to quality, maintenance and engineering applications.