

# Asset management on a chemical plant

## 3 Field Xpert SMT70 tablets for 3,200 HART instruments

### Field Xpert SMT70

Using a laptop to access your instrument data isn't an easy task, especially in potentially explosive environments.

Endress+Hauser's Field Xpert industrial tablets make it simpler and safer. These portable handheld devices with a large touch screen make connection and configuration of all instruments fast, easy and secure.



### Universal, high-performance tablet PC for device configuration

The Field Xpert SMT70 tablet PC for device configuration enables mobile plant asset management in hazardous (Ex zone 2) and non-hazardous areas. It is ideal for commissioning and maintenance staff to manage Endress+Hauser and third-party field instruments with a digital communication interface.



Field Xpert in action

**For many years, our longtime client has been using Endress+Hauser's industrial handheld computers, or PDAs, to communicate 'in the field' with HART instruments.**

**Now those PDAs, as well as the laptops the customer sometimes used, have been made redundant by the introduction of Field Xpert SMT70 tablets.**

**Customer challenge** The E&I dept. is responsible for the purchase, management and maintenance of more than 18,000 devices.

In particular, installations with HART technology can only be approached in the field on the basis of a Point-to-Point connection. HART Handheld Communicators and industrial PDAs had been used for this, but their technology quickly became obsolete. Updating was increasingly difficult and memory storage was limited.

**Our solution** Many of the instruments are already connected to the centralised FieldCare Device Configuration Management system. Parameter assurance and configurations are in an SAP PM system, which also exchanges information with W@M. This is where the industrial Field Xpert SMT70 tablets are an ideal mobile workstation in the field. They have powerful, fast processors and a generous, easy-to-read touch screen. Both the hardware and the software offer significant improvements on the old technology.

**Project scope** The tablets support, thousands of instruments, including third-party devices. Data and settings are automatically stored. This allows all HART instruments to be configured in the field, while additional third-party drivers (DTMs) can be installed easily. Three Field Xpert SMT70s and docking stations were delivered.

**The Field Xpert SMT70** software is intelligent and powerful. “With this we now have a beautiful mobile platform that will allow us to move forward for a few years to come,” says the E&I responsible. “In addition to the enormous ease of use, the new tablets are much faster. They connect very quickly to the instruments, which you can immediately check for correct operation. If you change the parameter settings ‘in the field’, a new PDF will be created immediately. If you put the tablet in the docking station when you return to the office, the PDF is automatically placed on the server so that the instrument data is always up to date. This is also a great advantage when replacing instruments. We now have three Field Xpert SMT70 tablets in use and are still discovering new useful features. Everyone in the department likes to work with them.”

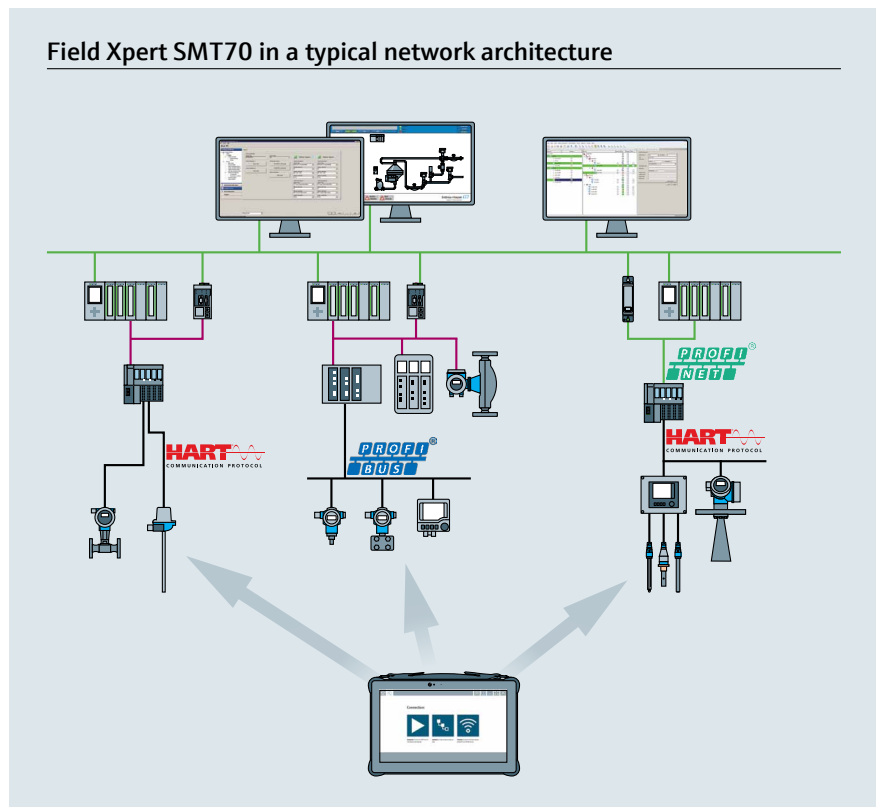


Field Xpert SMT70 offers many useful features

### Features and benefits

- High-performance, robust tablet with large 11.6" display and a battery life of up to 14 hours
- Touch-enabled device configuration software with a direct link to the Netilion ecosystem for optimised plant asset management
- Pre-installed device driver libraries for all of the important industrial protocols
- Fast connection to devices with a single click thanks to automatic hardware detection, online application software and driver updates for maximum security
- Integrated Heartbeat verification incl. PDF documentation
- Connection to Endress+Hauser Bluetooth and WLAN devices – perfect for difficult-to-access instruments

### Field Xpert SMT70 in a typical network architecture



Field Xpert SMT70 as a mobile workstation in the field

For further information on the Field Xpert SMT70 including our asset management bundle and remote services visit <https://go.endress.com/uk/SMT70>

[www.addresses.endress.com](http://www.addresses.endress.com)