ESSER
by Honeywell

**TOOLS 8000 SOFTWARE**

# FOR THE ENTIRE LIFE CYCLE OF YOUR FIRE DETECTION SYSTEMS

# ONE SOFTWARE FOR ALL TASKS

tools 8000 is the complete software tool for your fire detection systems. It accompanies you during every phase of your system's life cycle, from start-up and programming to fault diagnosis and regular service.

1

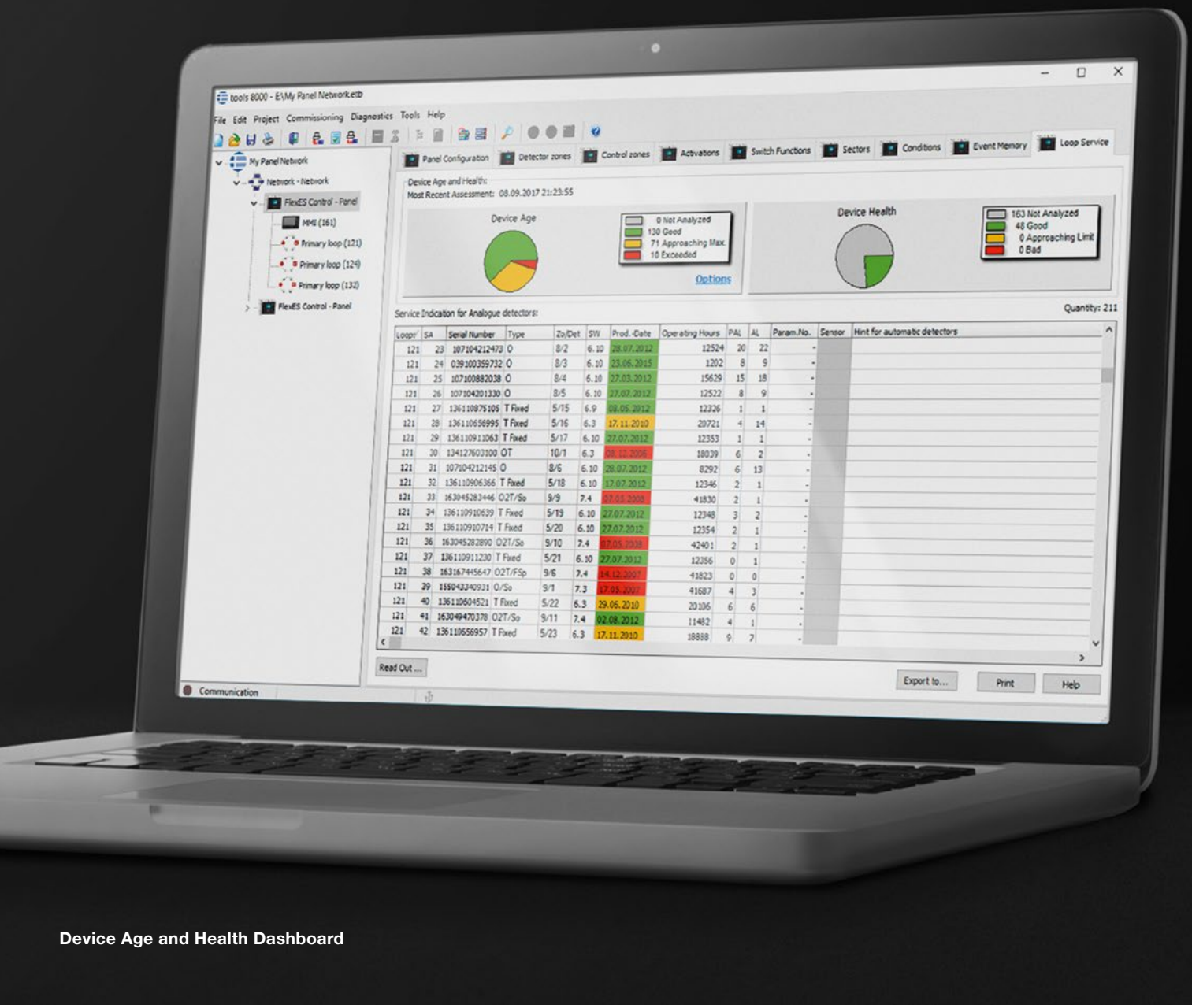
**Start-up**

tools 8000 automatically determines all the installed components and simplifies operation. **More on page 4**

2

**Programming**

tools 8000 will support you with setting up a new system and also assist with subsequent system maintenance and expansion. **More on page 5**




**Device Age and Health Dashboard**

3

## Ring bus diagnosis

With tools 8000 you can check system components for functionality and faults. **More on page 6**

4

## Service & Maintenance

From recording measured values to creating a system status report, the software will assist you with all service tasks. **More on page 6**

# IDEAL FOR START-UP AND PROGRAMMING

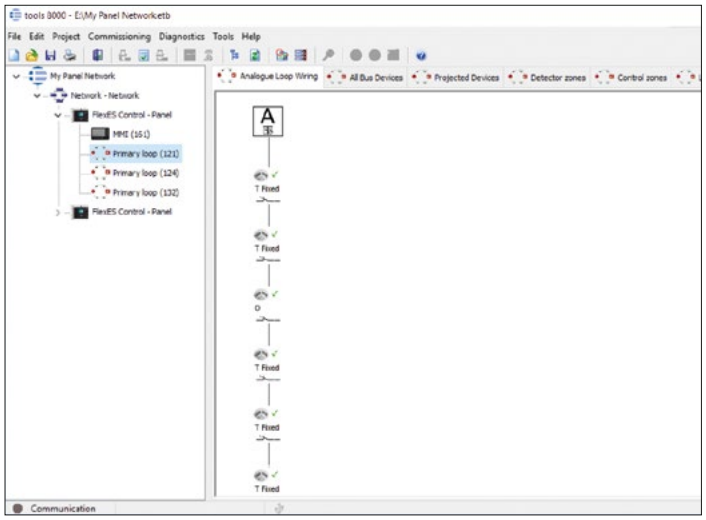
In recent years, technologies for fire protection have become increasingly complex. tools 8000 provides an easy to understand overview of the entire system.

### Checking an existing installation

When installed on a generic PC or laptop, the software first reads all the installed devices on the loop. Every device will be displayed, either as a graphic or topological view or table format including all available data. You can quickly confirm everything is according to plan.

### Measuring signal strength for wireless components

Find the optimum installation location for your wireless devices – quickly and securely. The integrated signal strength measurement functionality on tools 8000 shows you how strong the signal of each wireless device is at the installation location in dB, using traffic light colors as a guide. This helps you to easily determine the perfect position.




**Visualization during start-up**


**Display of signal strength at the installation site**

### Programming and configuration

Thanks to tool 8000‘s intuitive user interface you can configure device-related requirements using the menu. When the configuration has been installed, you can check it at any time using tools 8000 and, if required, restore a previous configuration.

### Transparency and structure

Whether it is the allocation of detectors to groups, the creation of additional device-related text or the formation of areas: tools 8000 will help you to manage your system from the very start. At the end of the start-up process, you will also create a start-up protocol with it.

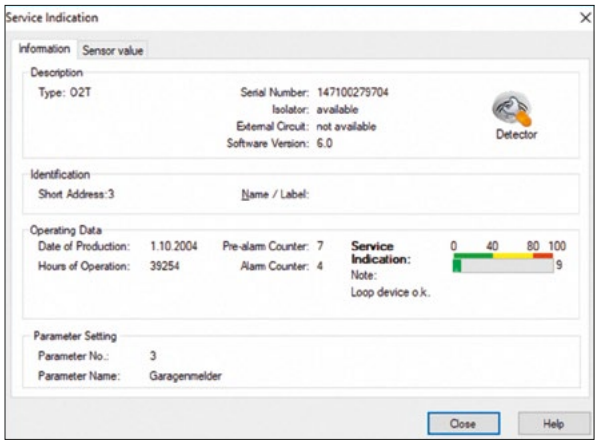
### Parameter configuration and control

With tools 8000, it is just as easy to configure event-related controls as well as time delays or the individual allocation of alarm signals. You can even configure parameters for fire alarms with the same tool.


**A tool for all generations: tools 8000 is compatible with all fire alarm control panels, from 800X to FlexES Control. Now you only need one tool to manage all the systems in your maintenance inventory.**

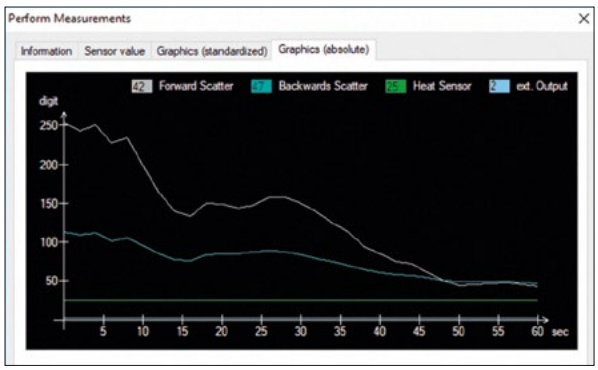
# FOR FAULT DIAGNOSIS AND MAINTENANCE

When considering the lifetime cost of a system, nearly 50 % of the costs are for maintenance. The diverse functions of tools 8000 are also designed to assist you during service and maintenance.



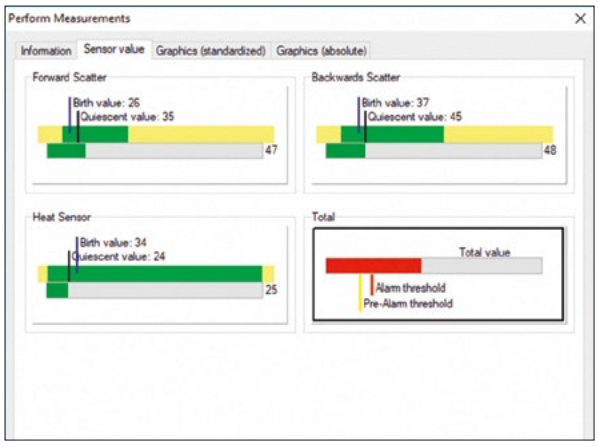

### Diagnosis and test function

If there is a fault, such as a cable interruption or short circuit, then tools 8000 will quickly find the origin of the fault. Moreover, the test function will simplify fault diagnosis for control outputs on transponders.



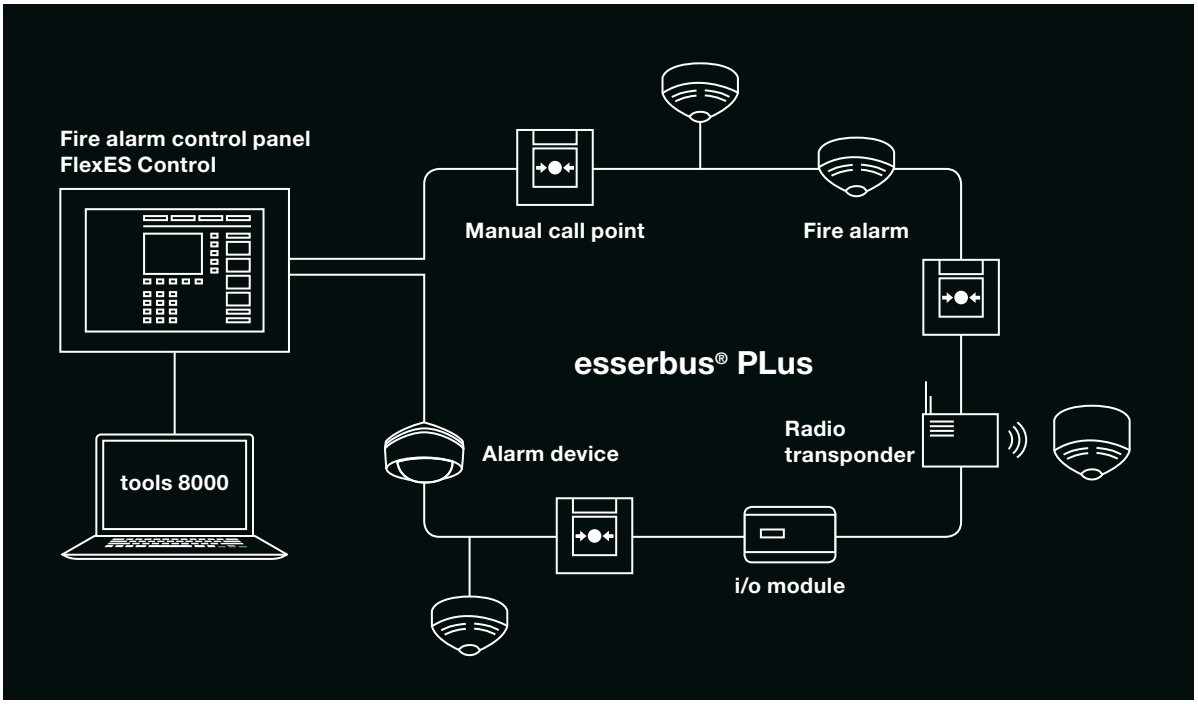

### Environmental measurements

tools 8000 enables you to measure environmental values and to display them dynamically as a graphic. This allows you to determine false alarm parameters, which will impair the functionality of your detector.

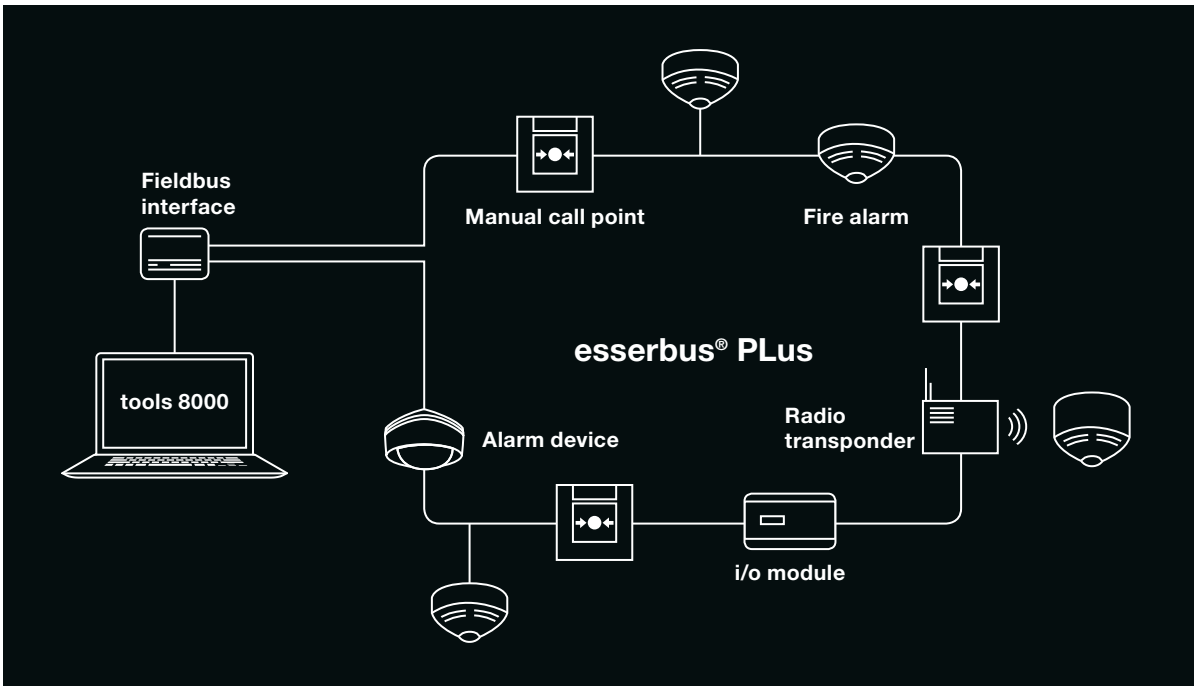



### Measuring the degree of contamination

Contamination of a detector's sensing chamber increases continuously with time. Condensation, dirt and aerosoles change the measuring accuracy and are compensated by the measuring value compensation. tools 8000 reads out the values and displays these as a graphic.




**Start-up and service via fire alarm control panel**




**Start-up and service on the ring bus**

### Connection via USB or fieldbus interface to fire alarm control panel or ring circuit

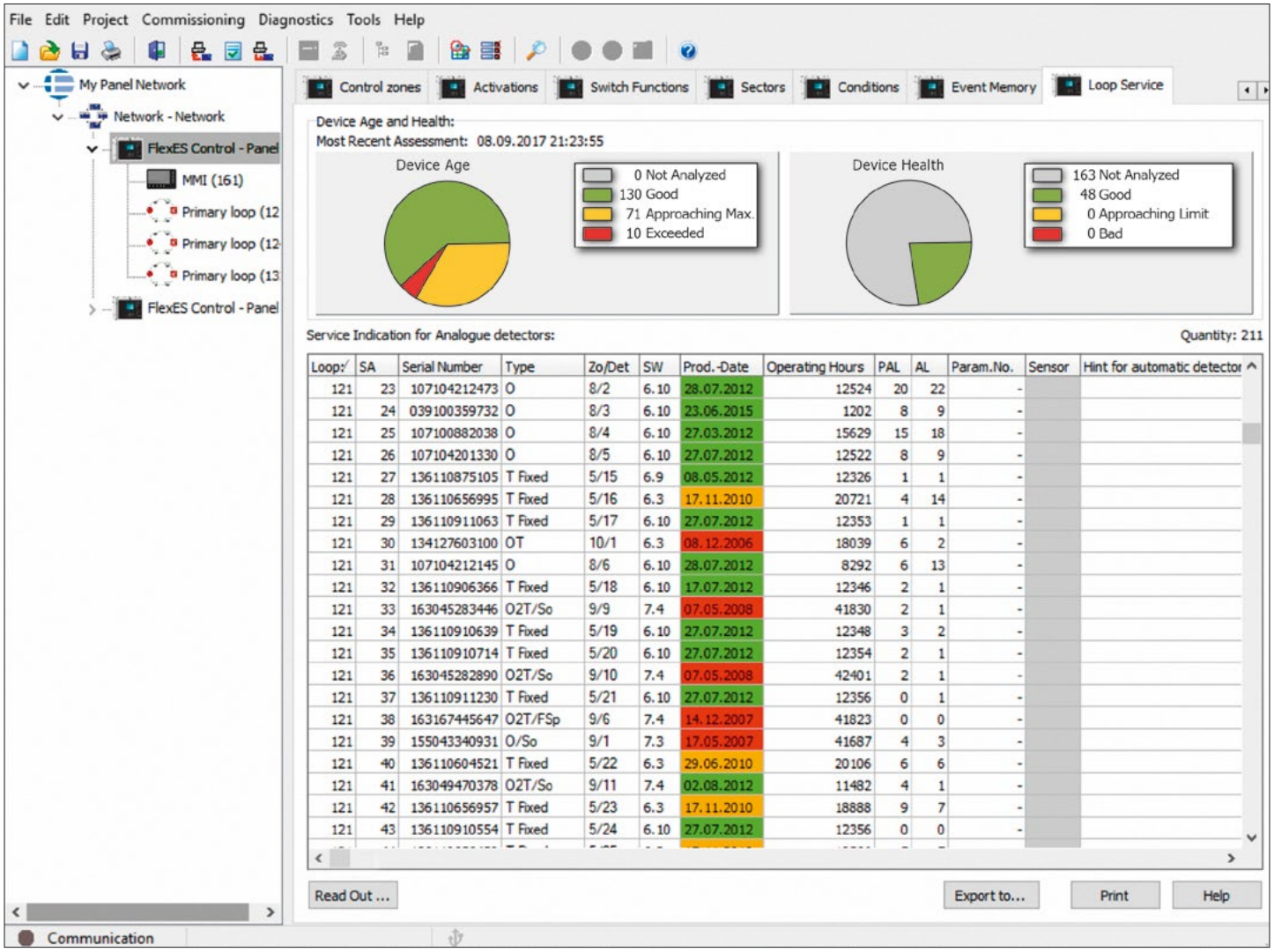
With tools 8000, you can connect your laptop directly to the fire alarm control panel via USB. That way you can connect to all the loops and devices connected to the fire alarm control panel.

Alternatively, you can also connect tools 8000 directly via USB and a fieldbus interface to the loop. This can be helpful, for example, in identifying loop installation faults before fire alarm control panel has been installed.

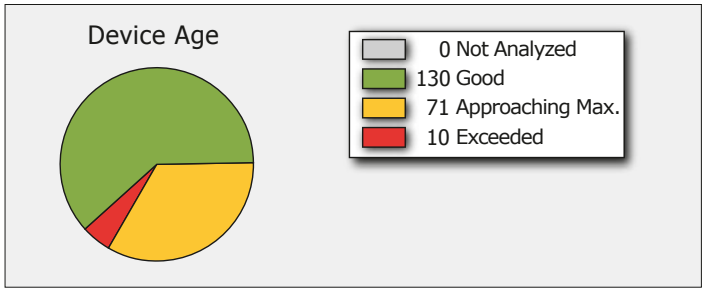
In both cases, the loaded data can be administered offline and the programming of the fire detection control panel can be continued. When the configuration has been created, the data are programmed into the control panel without the need to re-learn the loop.

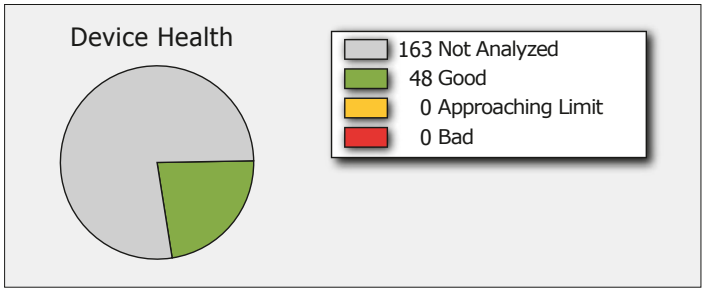
# FAST OVERVIEW OF THE LIFE CYCLE

With the device age and health dashboard, it's easy to keep an overview of those devices which are coming to the end of their service life – a particularly valuable function for long-term customer care.




**The measuring data is also available offline, if you are no longer connected to the system.**



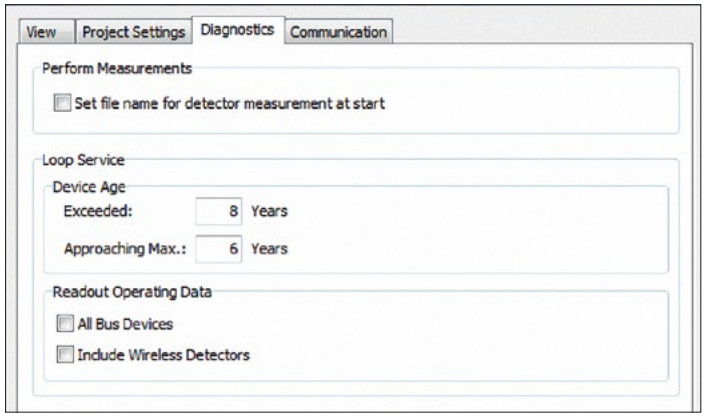




### Fast display of device age

You will find the device age in the newest version of tools 8000 under “detector service”. At a glance, it shows you how many detectors are getting close to the maximum operation duration or have already exceeded the maximum detector age.

### A quick overview of the degree of contamination

With a simple, clearly-arranged display, tools 8000 shows you how many detectors have contaminated sensing chambers and, where applicable, need to be replaced.

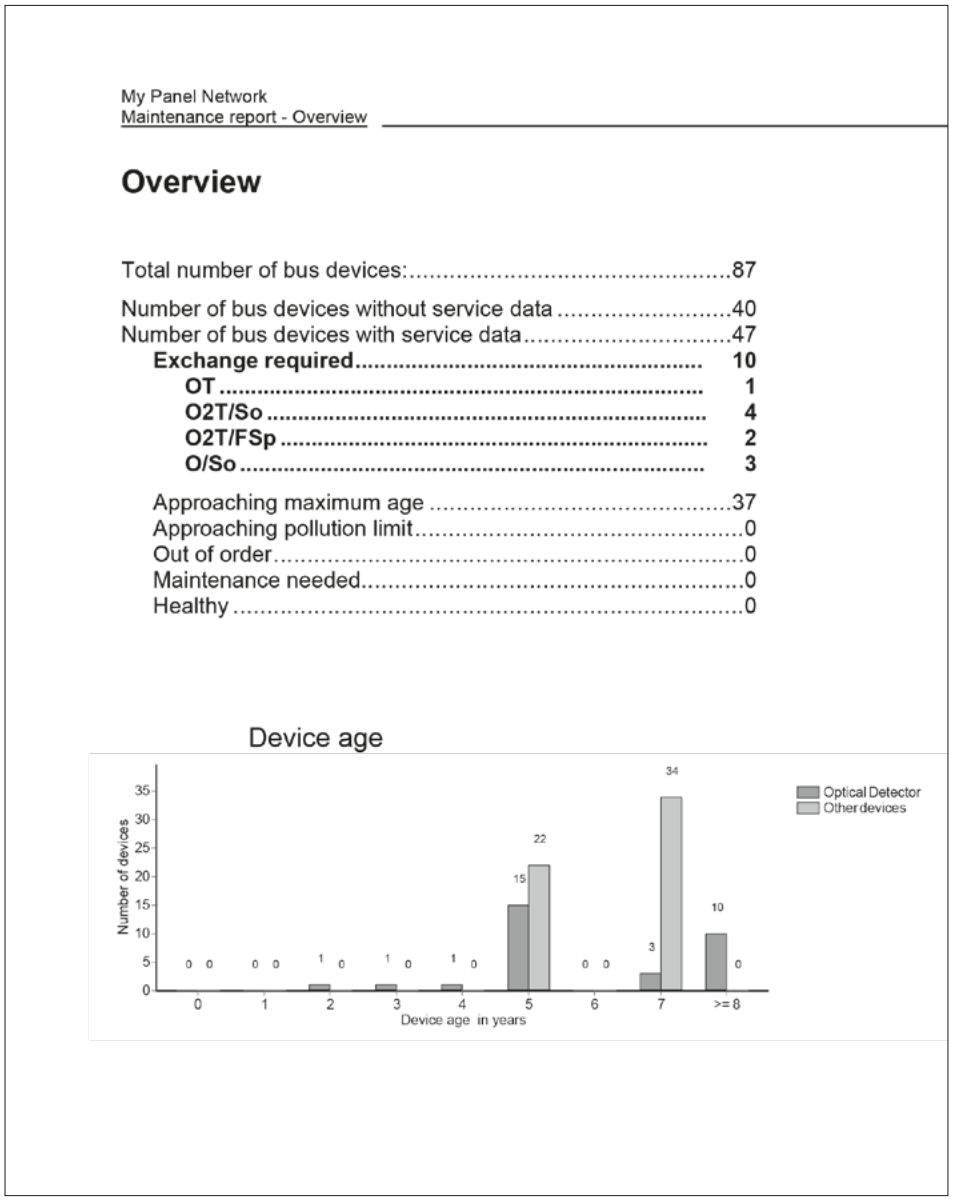



### Can be configured according to specific country regulations

In many countries, the replacement of smoke detectors is strictly regulated and e.g. in Germany, stipulated after a maximum of 8 years. For detectors without contamination-dependent measurement value tracking, the time period is only 5 years. These values are preset, but can be easily adjusted.

# COMPELLING REPORTS FOR YOUR CUSTOMERS

According to DIN 14675 and VDE 0833 requirements, you can create various reports on your maintenance activities. Comprehensive print and export functions are available for this, so no customer query is left unanswered.



My Panel Network
Maintenance report - Overview

## Overview

Total number of bus devices:.....87

Number of bus devices without service data .....40
Number of bus devices with service data.....47
**Exchange required..... 10**
**OT ..... 1**
**O2T/So ..... 4**
**O2T/FSp ..... 2**
**O/So ..... 3**

Approaching maximum age .....37
Approaching pollution limit.....0
Out of order.....0
Maintenance needed.....0
Healthy .....0

Device age



**Overview for planning and budgeting**

In comprehensive systems, you can plan the replacement works for the coming years based on the reports. This is also important for your customers, enabling them to effectively budget for this work in the long term.

My Panel Network
Maintenance report - Exchange required

**Exchange required**

| | | |
|---|---|---|
| OT | Serial No.: 134127603100 | Data as on 08.09.2017 |
| Allocation: | 10/1; *no Label Text* | |
| Reason: | The Detector is older than 8 years. | |
| O2T/So | Serial No.: 163045283446 | Data as on 08.09.2017 |
| Allocation: | 9/9; *no Label Text* | |
| Reason: | The Detector is older than 8 years. | |
| O2T/So | Serial No.: 163045282890 | Data as on 08.09.2017 |
| Allocation: | 9/10; *no Label Text* | |
| Reason: | The Detector is older than 8 years. | |
| O2T/FSp | Serial No.: 163167445647 | Data as on 08.09.2017 |
| Allocation: | 9/6; *no Label Text* | |
| Reason: | The Detector is older than 8 years. | |
| O/So | Serial No.: 155043340931 | Data as on 08.09.2017 |
| Allocation: | 9/1; *no Label Text* | |
| Reason: | The Detector is older than 8 years. | |
| O2T/FSp | Serial No.: 163167449096 | Data as on 08.09.2017 |
| Allocation: | 9/7; *no Label Text* | |
| Reason: | The Detector is older than 8 years. | |
| O2T/So | Serial No.: 163045283224 | Data as on 08.09.2017 |
| Allocation: | 9/13; *no Label Text* | |
| Reason: | The Detector is older than 8 years. | |
| O/So | Serial No.: 155043341068 | Data as on 08.09.2017 |
| Allocation: | 9/2; *no Label Text* | |
| Reason: | The Detector is older than 8 years. | |
| O/So | Serial No.: 155043342843 | Data as on 08.09.2017 |
| Allocation: | 9/3; *no Label Text* | |
| Reason: | The Detector is older than 8 years. | |
| O2T/So | Serial No.: 163045273317 | Data as on 08.09.2017 |

### Report on detectors which need replacing

The software summarizes which detectors need to be replaced immediately to ensure proper operation of the system. This includes the information regarding the position and model of each detector.

This makes your maintenance more efficient, because you can order the exact detector which needs to be replaced.

My Panel Network
Maintenance report - Approaching maximum age

**Approaching maximum age**

| | | |
|---|---|---|
| O2T/FSp | Serial No.: 163167292876 | Data as on 08.09.2017 |
| Allocation: | 9/8; *no Label Text* | |
| Reason: | The Detector reaches the maximum age on 24.03.2018. | |
| T Fixed | Serial No.: 136110604521 | Data as on 08.09.2017 |
| Allocation: | 5/22; *no Label Text* | |
| Reason: | The Detector reaches the maximum age on 29.06.2018. | |
| T RoR | Serial No.: 038100053343 | Data as on 08.09.2017 |
| Allocation: | 7/25; *no Label Text* | |
| Reason: | The Detector reaches the maximum age on 05.11.2018. | |
| O2T | Serial No.: 147129737001 | Data as on 08.09.2017 |
| Allocation: | 9/5; *no Label Text* | |
| Reason: | The Detector reaches the maximum age on 15.11.2018. | |
| O | Serial No.: 139156460168 | Data as on 08.09.2017 |
| Allocation: | 8/10; *no Label Text* | |
| Reason: | The Detector reaches the maximum age on 16.11.2018. | |
| T Fixed | Serial No.: 136110656759 | Data as on 08.09.2017 |
| Allocation: | 5/1; *no Label Text* | |
| Reason: | The Detector reaches the maximum age on 17.11.2018. | |
| T Fixed | Serial No.: 136110656636 | Data as on 08.09.2017 |
| Allocation: | 5/3; *no Label Text* | |
| Reason: | The Detector reaches the maximum age on 17.11.2018. | |
| T Fixed | Serial No.: 136110656599 | Data as on 08.09.2017 |
| Allocation: | 5/6; *no Label Text* | |
| Reason: | The Detector reaches the maximum age on 17.11.2018. | |

### Report on remaining service life

Detectors approaching the end of their life cycle are listed in a separate report. You can view the remaining service life, the respective model description and location.

This information means you can plan upcoming service work and replacement cycles more accurately.

ESSER
by Honeywell

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