SIMATIC PCS myExpert

**System health and lifecycle dashboard for
SIMATIC PCS 7 Process Control System**

The challenge

The process control system is the backbone of today's production processes and is fundamental to achieving the desired production targets.

Consolidating firmware version, software version, and security update information pertaining to all installed DCS components across a single system or a fleet of systems and comparing it to the latest releases will help to ensure that your DCS investment is protected throughout the entire lifecycle.

Additionally, gaining awareness of critical system status information and key performance indicators can enable improved risk mitigation, more effective pinpointing of problems, and faster solution discovery and implementation, plus maintenance schedules and system updates can be better planned.
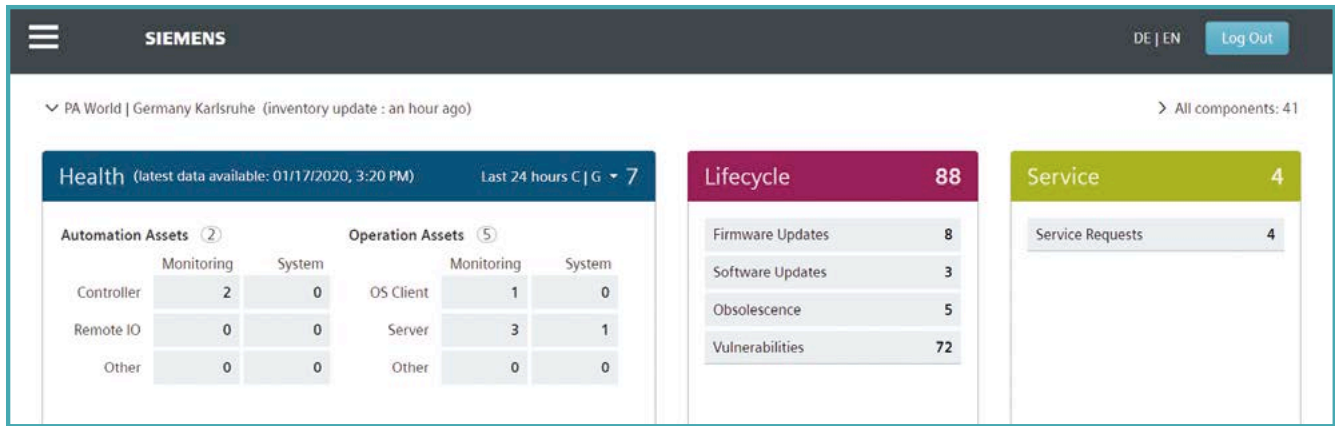
The solution

SIMATIC PCS myExpert is a web-based application that monitors the system health for all SIMATIC PCS 7 installations within your fleet. It provides a comprehensive overview of available updates to improve the ability to keep all software and hardware components of your control system up to date. It also provides lifecycle relevant product and health metric information as well as a connection to Siemens support portal.

With SIMATIC PCS myExpert you can manage your DCS and fleet efficiently through awareness of security alerts and transparency about the health of the system and its assets. Finally, increase the availability over the lifecycle of your plant by performing obsolescence management, optimizing spares and improving the DCS system performance.

Key features

- Always stay informed about the latest available firmware and software updates, as well as the latest security vulnerabilities.

- Avoid obsolescence and enable seamless asset upgrades.

- Achieve fast access to Siemens support for relevant product information.

- Monitor the most important metrics that characterize the health status of your process control system.

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Health Module – Live data analysis assures highest availability

Monitor automation and operation components with a list of system messages, relevant alarms, events and trends of health metrics. With this information you gain insights into the current system health status. A secure outbound connection from your plant to SIMATIC PCS myExpert is required.

DCS Lifecycle Module – Holistic process control system management

Review and mitigate current vulnerabilities for affected hardware and software components and examine recent lifecycle information including obsolescence, software and firmware updates, and CERT cybersecurity notifications.

Effectively plan and implement all available updates, appropriate patches and latest upgrades for your system or fleet of systems. This guarantees first class performance throughout the whole lifecycle.

Maximize your plant availability and minimize costs with obsolescence management. SIMATIC PCS myExpert offers information at an early stage about product phaseouts, successor products and potential changes.

SIMATIC PCS myExpert provides immediate vulnerability notifications about potential threats and suitable countermeasures for Siemens SIMATIC PCS 7 components. This results in significantly improved plant security and reduced unplanned downtime due to malicious software.

Module Service – Efficient execution of service requests

This SIMATIC PCS myExpert feature provides the ability to create new service requests, review and rapidly address current service requests.

SIMATIC PCS myExpert is available in a variety of subscription options tailored to individual customer needs. For more information visit: https://industry-suites.siemens.com

SIMATIC PCS myExpert is web-based. In order to ensure a smooth integration into your existing security concept, inventory files required for the lifecycle and service modules can be uploaded manually. Health data files required for module health are automatically transmitted via encrypted communication channel.

Benefits

Cost benefits and investment savings

Higher security and less threats

Higher availability and less downtimes

Efficient asset/ equipment utilization