

Because stability matters

SPPA-T3000 R8.2 – powering your success

SPPA-T3000 Success starts in the control room

SPPA-T3000 Release 8.2

is the latest release of the Siemens SPPA-T3000 power plant control system. Siemens is constantly innovating and striving to improve our products by gathering customer feedback and monitoring industry requirements and drivers. As such Siemens is proud to offer the latest version of the SPPA-T3000 controls platform; SPPA-T3000 Release 8.2.

The latest release of SPPA-T3000 builds upon an already solid foundation. The innovations address many of the challenges in the ever changing market such as ensuring you have the level of maintenance flexibility to meet the challenges faced by cyber threats. It is designed for improving your ability to be flexible, resilient and ready to whatever the future may hold.

Be ready - Invest in the future

As your trusted partner with the right experience Siemens will always provide exactly the right technology for coping with current and future challenges. Based on 150 years of experience in power generation Siemens has earned a reputation for supporting our customers for the entire lifecycle of their plant.

The new features of R8.2 have been specifically developed with the focus

on investment protection and on the ability to keep the business running. E.g.:

SPPA-T3000 Release 8.2 as a **Long Term Supported release** provides a minimum of eight years of support and integrates the newest versions of Windows Server 2016, Windows 10.

The **online update functionality** allows for updating during full operation, which provides maximum flexibility and uninterrupted availability. Efficient secure patch implementation is achieved by a **centralized deployment**. And continuous development of cyber security features contributes to maintaining the highest plant security for the entire lifecycle of the asset.

The **new I/O line** with its high channel density and possibility to expand during operation allows for a small footprint and flexible adaptations. The **new Automation & Communication Server** provides improved real-time runtime environment performance for demanding optimization, programming and communication tasks, **increasing flexibility** and improving connectivity.

By leveraging **our innovated scalability concept**, Siemens can now offer the benefit from all advantages of a full-blown DCS to small and distributed plants and plant auxiliaries.



Siemens offers trusted partnership and the SPPA-T3000 DCS provides an operator centric approach and endless continuity.

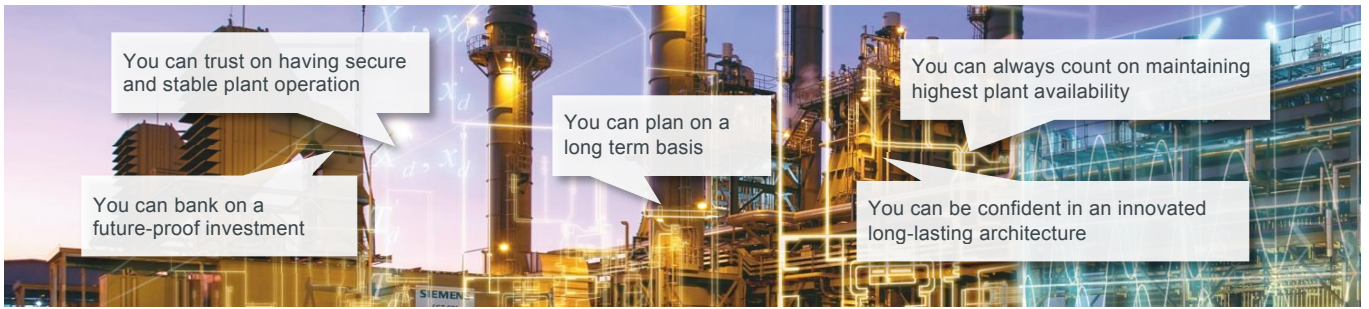
Advantages at a Glance:

- Secure and stable plant operation
- Highest plant availability
- Future-proof investment

Enabled by Features, e.g.:

- Security patches implemented at any time
- Update online during full operation
- Centralized deployment of patches and virus patterns
- Innovated long-lasting architecture
- Long Term supported Release
- Scalable to the max

SPPA-T3000 Release 8.2 - Highlights: New features powering your success



You can trust on having secure and stable plant operation

You can plan on a long term basis

You can always count on maintaining highest plant availability

You can bank on a future-proof investment

You can be confident in an innovated long-lasting architecture



Long Term supported Release

for a predictable Lifecycle including long term maintenance

- Minimum 8 years Lifecycle with new features, service packs, bug fixes
- Multi-unit compatibility with the previous Long Term Supported Release



State of the Art Operating System

Windows Server 2016 & Windows 10 support long term strategy

- Windows Server 2016 for the Application Servers with support until 2027
- Windows 10 for the Thin Clients with support until 2025



New I/O line and new Automation and Communication Server

New I/O line ET 200SP HA:

- More I/O modules per interface module ensure a smaller footprint
- High system availability due to redundant PROFINET connections

New AS3000 and CS3000:

- Innovative, flexible platform for all automation and communication tasks
- Integrated dual redundancy link for smaller footprint and reduced wiring effort



Online Patching and Updating, built-in Cyber Security

Online Patch and Update of the Application Server based on system-integrated redundancy

- Patches to be implemented without any interruption of the production process
- Continuous development of cyber security features to maintain the plant's security, e.g.:
- New Malware Protection, Security Event Monitoring, Network Intrusion Detection



Centralized Patch Deployment

Security Server deploys patches and virus patterns from a central point

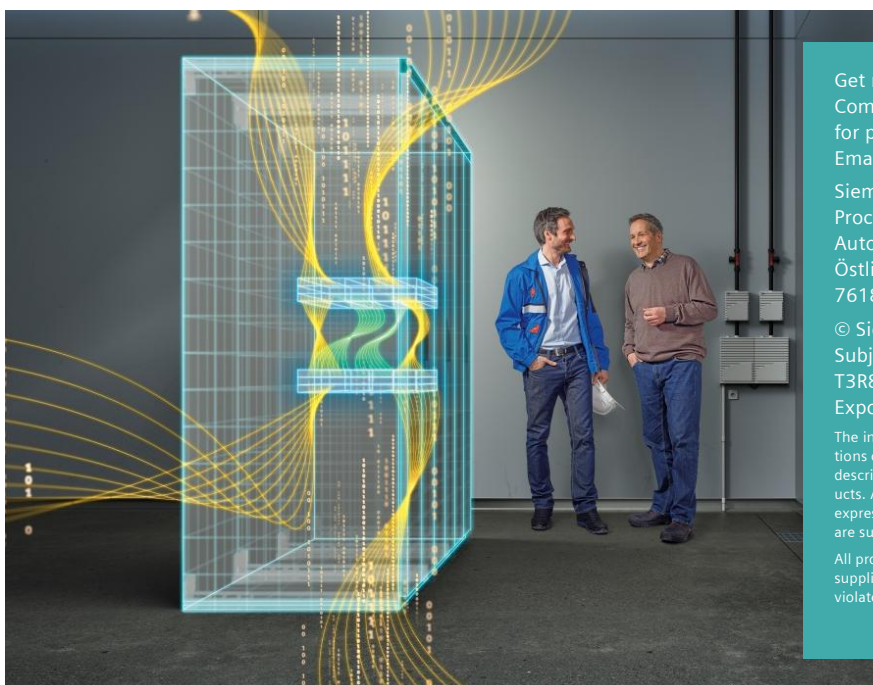
- User-friendly via central deployment
- Flawless patch installation through control, monitoring and visibility from a single device
- Lower risk of security gaps resulting from unpatched components
- Transparency of the software status of the relevant components



Maximum Scalability

All advantages of a full-blown DCS for small distributed generation units and for auxiliaries

- No compromise on system functionality
- Right sized hardware for all plant sizes



Get more information

Comprehensive information concerning the control system for power generation: www.siemens.com/sppa-t3000
Email: sppa-t3000.energy@siemens.com

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T3R82_FP_stability-matters_e_V1-1

Export classification of the goods (HW, SW): 5D002ENCB4

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