



PROFICLOUD

Professional Cloud Solutions

Open to the world, succeed securely


Professional cloud solutions

Open to the world, succeed securely – New market opportunities with PROFICLOUD

Proficloud from Phoenix Contact offers you integrated cloud solutions tailored to your needs. Network your production and development worldwide across company boundaries. Proficloud supports your individual business processes and allows you to promptly adapt to business process changes. Pay-per-use billing is also possible.

Make the right decisions today for your future and join us in the world of Proficloud.

Further information on Proficloud:
Simply type the web code into the
search field on our website.

 Web code: [#0949](#)



Your advantages

- ✓ Maximum availability, because you can access your data anytime, anywhere
- ✓ Avoid high investment costs, thanks to pay-per-use billing
- ✓ Openness, because you can develop your own cloud services for Proficloud and operate them in the Proficloud
- ✓ Flexibility, thanks to the possibility of integrating new functions and technologies quickly and easily
- ✓ Scalability, thanks to dynamic IT services that can be quickly and individually adjusted to your requirements
- ✓ Secure and certified communication, thanks to TLS encryption

PROFICLOUD – Professional cloud solutions

As an open, scalable IoT platform, Proficloud offers you intelligent communication, networked control technology, smart cloud services, and comprehensive data analysis – all with the highest level of security. This means Proficloud offers you solutions that accommodate the new requirements of automation and enables you to establish new digital business models.

Open IoT platform for your automation

To implement the guiding principles of the IoT, machines and facilities around the world must be comprehensively networked, and field devices equipped with additional cloud services. This is the only way to exchange data easily, safely, and reliably and to integrate external information into the overall solution. Implementation using the open and scalable Proficloud IoT platform guarantees you the required performance and flexibility in your automation solutions.

High level of availability with maximum security

Proficloud offers you a high degree of access protection since the data transmission of the Proficloud devices is protected by TLS 1.2 (Transport Layer Security) encryption. Redundant servers and automatic backups provide for permanent and up-to-date availability of your data.

System optimization through comprehensive data analysis

The growing degree of digitalization requires integrating data analyses into company processes. With Proficloud, you can capture your machinery and system data from anywhere in the world and combine large amounts of data from different sources. Using modern data analysis as a foundation, you can make expert decisions, produce forecasts, and improve your operations process control.

Establish new business models

Easily, quickly, and efficiently generate new business models. Using the Proficloud platform as a foundation, manufacturing companies and service providers alike can set up their own web applications and develop, operate, and market cloud services.

Easily connect your control level to the cloud

Thanks to PLCnext Technology from Phoenix Contact, you can achieve a seamless transition from the control level to Proficloud. As is to be expected, our Edge controllers perform process-oriented data processing quickly and in real time. The selected and processed data is then securely transferred to the Proficloud.

Expand your automation with cloud services

Cloud services can be easily integrated into your automation solution. Extend your applications with services such as monitoring, reporting, energy data management, calculations, and predictive maintenance. You can do this using existing cloud services from our range or create your own individual cloud services with our software development kit.

Intelligent hardware for your cloud solution

Distributed, intelligent systems communicate via Proficloud directly and securely with one another without hierarchies. We offer you hardware that combines and evaluates the communication between the different data sources and forwards it to the appropriate points.

Our cloud solutions

With the PROFINET and Time Series Data cloud solutions, Phoenix Contact offers you cloud-based automation solutions that are perfectly tuned to your company's requirements and needs. This lets you benefit from fast value creation and full cost transparency, thanks to the pay-per-use model.



Cloud gateway for PROFINET

The Cloud gateway is the secure connection between your local PROFINET network and Proficloud, and makes it possible to use the cloud services.

PROFINET cloud solutions

Thanks to PROFINET cloud solutions, you can make your existing PROFINET network cloud-capable and add cloud services. This lets you directly see the benefits of Proficloud, e.g. for remote applications or when using services such as monitoring, reporting, or calculation.

Cloud controller for PROFINET

The modular Axiocontrol controller makes communicating with Proficloud possible.

Time Series Data cloud solutions

The Time Series Data cloud solutions allow you to capture, evaluate, and visualize the process data from your machines and systems. This forms the basis for predictive maintenance and other big data applications. Thanks to web-based dashboards, you have access to your data anywhere and at any time.

Cloud controller with PLCnext Technology

With PLCnext Control based on PLCnext Technology, you connect directly with Proficloud and individually integrate cloud services.




Cloud IoT Gateway

With our Cloud IoT Gateway, you integrate new and existing systems into Proficloud without the need for additional engineering effort. Thanks to its support of various protocols, it enables tailored and fast process integration.

PLCnext Technology 
Designed by PHOENIX CONTACT

Further information on the Cloud IoT Gateway:
Simply type the web code into the search field on our website.

 Web code: #1810

Our PROFICLOUD products and services at a glance

With Proficloud, we offer you a complete product range for integrated, secure industrial cloud computing. The PROFINET and Time Series Data cloud solutions make it possible to easily connect to new and existing machines, systems, and processes.

Proficloud and the associated components can be installed in no time at all, thanks to Plug and Play.



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Cloud services

Benefit from the almost unlimited possibilities that cloud services or the software development kit offer for your automation.



Cloud Credits

Simple, transparent pricing models enable you to operate flexibly.

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Cloud hardware

Cloud hardware enables you to easily connect to new and existing machines, systems, and processes.



Register today: www.proficloud.net

Make the right decisions today for your future and join us in the world of Proficloud. Here, you will also find our user community with application examples, instructional videos, and FAQs.



PROFINET cloud solutions



**Software Development Kit
CLOUD SDK4J**

**Cloud services: weather,
calculation, system couplers**

Order no. [2404475](#)

Order no. [2403325](#)

Download free of charge

Order no. [2403326](#)

Order no. [2404449](#)

Time Series Data cloud solutions



**Software Development Kit
CLOUD SDK4J**

Grafana dashboard

Order no. [2404475](#)

Free of charge

Download free of charge

Access via www.proficloud.net

Your currency in the Proficloud



**Cloud Credit 1
Credit: 8,760 units**

**Cloud Credit 2
Credit: 17,520 units**

**Cloud Credit 5
Credit: 43,800 units**

**Cloud Credit 10
Credit: 87,600 units**

Order no. [2402989](#)

Order no. [2402988](#)

Order no. [2402987](#)

Order no. [2402986](#)

PROFINET cloud solutions



**Cloud gateway for PROFINET
Cloud Coupler-Pro**

**Cloud controller for PROFINET
AXC Cloud-Pro**

Order no. [2402990](#)

Order no. [2402985](#)

Time Series Data cloud solutions



**AXC F 2152 cloud controller
with PLCnext Technology**

Cloud IoT Gateway

Order no. [2404267](#)

Order no. [1031235](#)

Industry solutions with PROFICLOUD

As a supplier of complete solutions, Phoenix Contact supports you with expert know-how in your industry. With Proficloud, we design your automation in a flexible and scalable way. The interaction between greatly differing systems and addition of applications and cloud services enable future-proof automation tailored to the specific requirements of your industry.



Future-proof automation with PROFICLOUD

Energy efficiency in building technology

An optimization of the supply processes from building and energy management to the integration of production systems poses new challenges for building operators. Building and supply technology systems need to be linked intelligently to use the large variety of available information intelligently.

Proficloud forms the technical basis for the digitization of building technology and makes it possible to standardize the data from production, building infrastructure, energy management and superordinate MES/ERP systems. You can optimize supply processes in buildings with the help of a needs-based assessment via charts or freely defined dashboards.



Process optimization in the automotive industry

Recording extensive process data is part of the quality certification in the automotive industry. Assessing collected data is gaining ever more importance on the road to digitization. Energy data such as electric power consumption, temperatures, pressures and flow rates is not only important for assessing and optimizing the process.

This data can be combined with modern analysis procedures and with additional information from production, thanks to the Proficloud. This makes possible manufacturing and process optimization, predictive maintenance and ideally lighting the workstations depending on the natural light in the factory infrastructure.



Efficiency gains in solar power

Exact tracking aligns the solar modules with the sun so that sunlight always falls onto the solar panels perpendicularly. This guarantees optimum energy generation. Continually monitoring the system status and the weather data is of great importance in this regard.

Access your systems at any time and from anywhere using the Proficloud. This is the basis for safe, efficient, and reliable monitoring of your tracking parks.



Data analysis in water and wastewater treatment

Current operating data such as the fill level, flow rate and power consumption of decentralized infrastructures is analyzed in Proficloud and made comparable with other significant parameters. Thus, for example, a water chamber can be operated efficiently and based on needs with the help of weather data

and additional operating data from other structures. In addition, for example, operating data for the lifecycle management of multiple shipping locks can be combined to use this efficiently for the predictive maintenance of the locks.



In dialog with customers and partners worldwide

Phoenix Contact is a globally present, Germany-based market leader. Our group is synonym for future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. A global network across more than 100 countries, and 16,500 employees ensure a close proximity to our customers, which we believe is particularly important.

The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for different applications and industries. We especially focus on the fields of energy, infrastructure, process and factory automation.



You will find our complete product range at:
phoenixcontact.com

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