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SIEMENS



PROFINET on tour

Increase productivity with the leading Industrial Ethernet Standard

PROFINET truck stop – coming to you!

[siemens.com/profinet](https://www.siemens.com/profinet)

Answers for industry.

With PROFINET on tour:

- TIA Portal
- SIMATIC PCS 7
- SIMATIC S7-1500
and ET 200SP
- SINAMICS S / G
- SIMOTION
- SIMOTICS
- SCALANCE X / W / M / S
- SINEMA Server
- SIMATIC Ident
- SITOP
- SIRIUS

PROFINET – your solution!

PROFINET, the open Industrial Ethernet Standard, stands for flexibility, efficiency, and performance in Industrial Communication. PROFINET ensures fast and secure data exchange on all levels, making it possible to implement innovative machine and plant concepts.

With 5.8 million nodes, PROFINET is currently the leading Ethernet Standard for automation. More than 12,000 of our customers already rely on PROFINET. The large number of available devices with PROFINET connection is continuing to grow, which means that solution concepts are available for nearly all applications and sectors.

PROFINET makes it possible to implement automation solutions more flexibly, efficiently, and with a higher level of performance.

You can experience PROFINET solutions in the truck – in live demonstrations, with multimedia interaction and up-to-date application examples!

Visit the PROFINET website to find all applications and more information about PROFINET:
[siemens.com/profinet](https://www.siemens.com/profinet)



PROFINET
functions and
applications at
a glance!

Applications in the PROFINET truck

This overview of the application examples from the truck illustrates the benefits of the familiar green cable:

- PROFINET's flexible **network structure** is made possible through the use of different topologies and the I-Device function.
- With PROFINET, maximum speed and precision – using a flying saw as an example – and simultaneous standard TCP/IP data transmission result in maximum **performance**.
- On PROFINET, **functional safety** with PROFIsafe provides for the safe operation of moving machine parts (e.g. safe speed monitoring).
- PROFINET **diagnostics** offers different types of access and fast error localization.
- PROFINET offers a high level of **reliability** through redundancy mechanisms – also seamlessly!
- **Wireless** communication with IWLAN provides for flexible concepts with mobile machine parts, thereby reducing maintenance costs. RFID systems and code reading systems ensure the seamless traceability of components and processes.
- With PROFIenergy, PROFINET ensures **energy efficiency**. In robot applications and fan controllers, unneeded devices can be switched off during pauses to save energy.
- PROFINET shows **vertical integration** from offices to the production world. Access to IP subnets can be protected.
- PROFINET is integrated in the SIMATIC PCS 7 **process technology** and protects investments through the seamless connection to systems such as PROFIBUS PA and HART.