

PRESS RELEASE

Go digital. Go PROFINET – PI presents Industry 4.0 progress

Karlsruhe, Germany – April 27, 2020: In an ordinary year, PI (PROFIBUS & PROFINET International) would already – and once again – have presented its progress on Industry 4.0 work at the Hanover Fair – but this is no ordinary year. Nevertheless, the working group experts are working tirelessly on implementing concepts like the use of PROFINET over TSN, fail-safe machine-to-machine communication and information models for vertical communication – virtually and at a safe distance, of course.

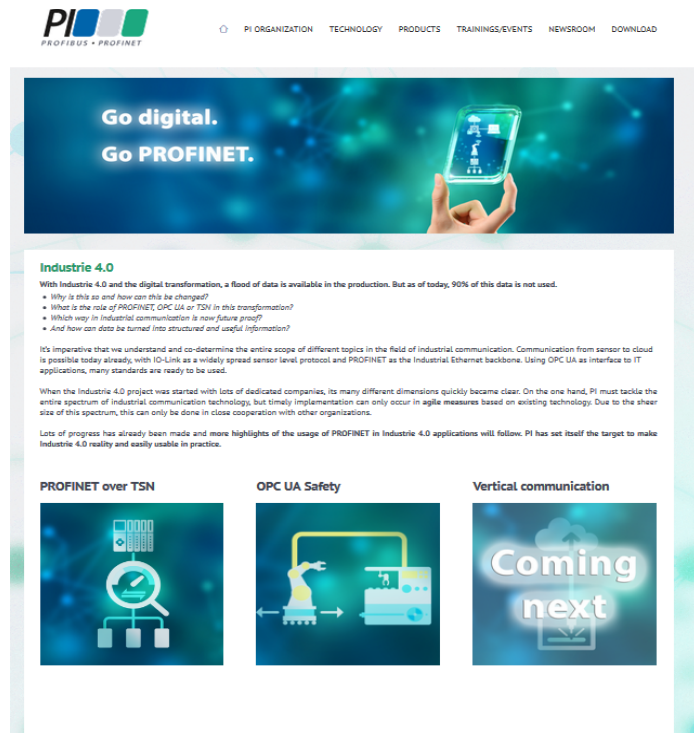
Obviously, this is not an easy time for an organization which has committed itself to the networking of automation systems, and especially also those of technical experts. PI has been part of the digital transformation from the very beginning, though, which makes it ideally equipped for this situation. This being the case, it is no wonder that the working groups chose to continue developing their concepts. Online meetings and processes have been part of everyday work at PI for many years, enabling effective and easy cooperation. To share this progress with PROFINET users as well, PI is now implementing a number of different virtual methods of communication.

The focal point of this communication is the PI website, <http://www.profibus.com/I40>, where “Industry 4.0” is being rolled out again in its entirety. PI is focusing on the highlights of its Industry 4.0 work here, beginning with PROFINET over TSN, OPC UA Safety and vertical communication. Additional concepts will be addressed and added successively over time. PI won’t just be providing an overview of the technology and leaving it at that – technical details on solutions and use cases for applications will be added as well. This gives device manufacturers and users solid information for their own implementation of Industry 4.0-compliant integration.

In addition to this digital content, PI will also be visualizing the Industry 4.0 workshop (March 27/ 28, 2020) to enable discussion with users and enter into dialog in these trying times – times which everyone at PI hopes will be over soon. Regardless, the working groups will continue to work hard on implementing Industry 4.0, in keeping with the motto: Go digital. Go PROFINET.

For more information on the status of Industry 4.0 implementation at PI, visit: <http://www.profibus.com/I40>.

Graphic: Lots of new information on Industry 4.0 work can be found on the PI website.



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**Go digital.
Go PROFINET.**

Industrie 4.0

With Industrie 4.0 and the digital transformation, a flood of data is available in the production. But as of today, 90% of this data is not used.

- Why is this so and how can this be changed?
- What is the role of PROFINET, OPC UA or TSN in this transformation?
- Which way in industrial communication is now future proof?
- And how can data be turned into structured and useful information?

It's imperative that we understand and co-determine the entire scope of different topics in the field of industrial communication. Communication from sensor to cloud is possible today already, with IO-Link as a widely spread sensor level protocol and PROFINET as the Industrial Ethernet backbone. Using OPC UA as interface to IT applications, many standards are ready to be used.

When the Industrie 4.0 project was started with lots of dedicated companies, its many different dimensions quickly became clear. On the one hand, PI must tackle the entire spectrum of industrial communication technology, but timely implementation can only occur in agile measures based on existing technology. Due to the sheer size of this spectrum, this can only be done in close cooperation with other organizations.

Lots of progress has already been made and more highlights of the usage of PROFINET in Industrie 4.0 applications will follow. PI has set itself the target to make Industrie 4.0 reality and easily usable in practice.

PROFINET over TSN

OPC UA Safety

Vertical communication

Coming next



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