

Ethernet

To the Field



Ethernet-APL

is here!

Ethernet with an Advanced Physical Layer (Ethernet-APL™) will enable long cable lengths and explosion protection via intrinsic safety with communication and power over two wires. Based on IEEE and IEC standards, Ethernet-APL supports any Ethernet-based automation protocol and will develop into a single, long-term stable technology for the entire process automation community.

As digitalization becomes more prevalent, it is becoming increasingly important to gain access to data from every part of a plant to extract more value for companies. However, in the process industry, there are special requirements, such as enabling seamless and fast communication from the information to the field level, with explosion hazardous areas and harsh environmental conditions—which has made it difficult to migrate to more digital solutions. In this sensitive industrial sector, any deployment of new technology must be thoroughly tested and provide added

business benefits. Furthermore, new technology cannot require extensive training for installation and maintenance. This is why it has been a challenge to digitize the field level in the process industry so far—until now. Ethernet-APL meets all needs of process automation.

Meet your experts in person at the Achema and talk about your future in process plant with Ethernet-APL.



Ethernet to the field

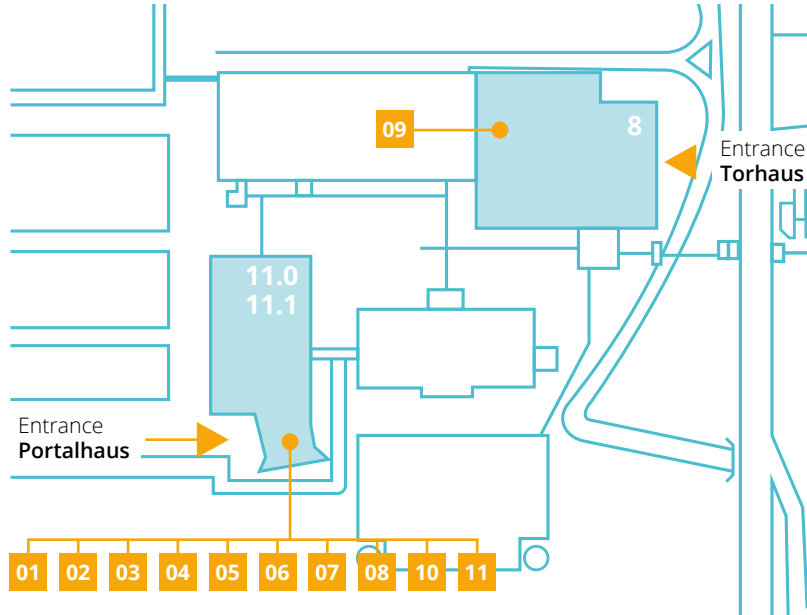
The process industry is facing a radical change in terms of digitization. Many developments have been initiated to obtain more information from the process in order to be able to produce more efficiently or more flexibly or bring more flexibility into the internal processes (maintenance).

Ethernet-Advanced Physical Layer (Ethernet-APL™) is the key technology here that connects the field level of process automation systems to the Industrial Internet of Things, making it the decisive step in achieving a higher degree of digitization a reality. Ethernet-APL not only brings Ethernet technology to the process field device, but also provides a secure, future-proof solution for the requirements of process users.



Find your way

to Ethernet-APL at ACHEMA 2022

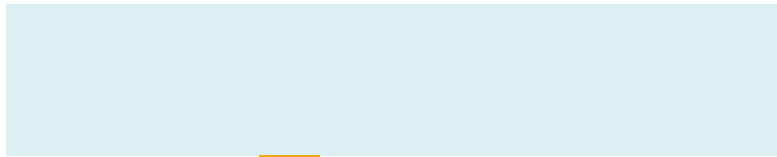


- 01 Hall 11.1, C27
- 02 Hall 11.0, E14
- 03 Hall 11.1, C14
- 04 Hall 11.0, C15
- 05 Hall 11.1, C3
- 06 Hall 11.1, A41
- 07 Hall 11.1, A27
- 08 Hall 11.0, C13
- 09 Hall 8.0, C74
- 10 Hall 11.1, C45
- 11 Hall 11.1, C63

HALL 8

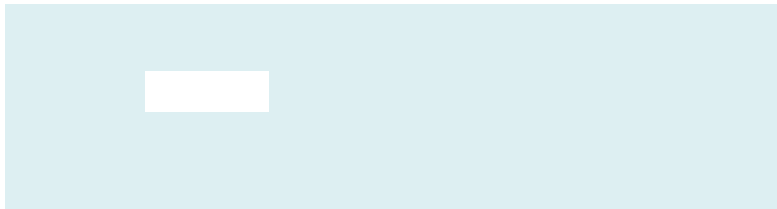
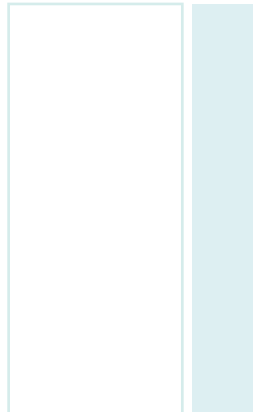
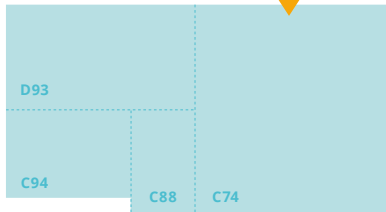
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Hall 8.0, C74



◀ Hall 9.0

09



SF10



HALL 11.0 Lower Floor

02

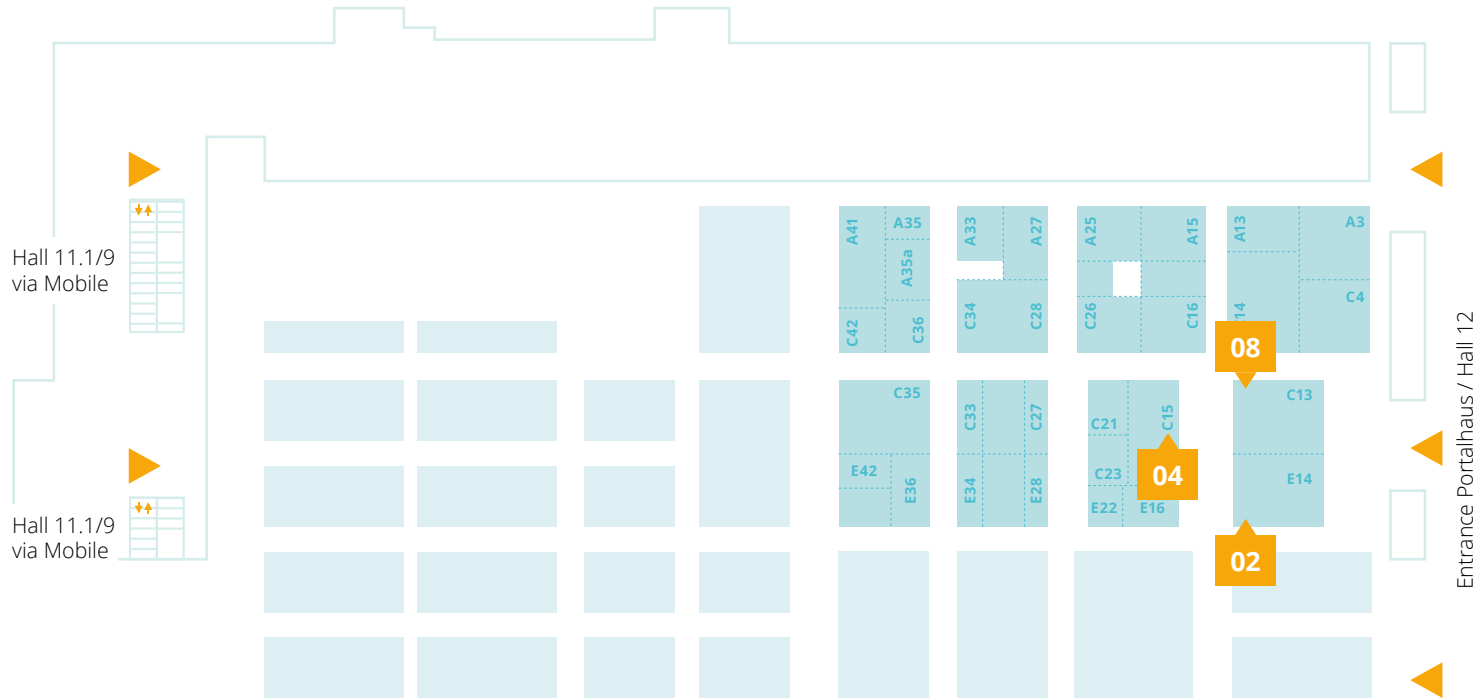
Hall 11.0, E14

04

Hall 11.0, C15

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Hall 11.0, C13



HALL 11.1 Top Floor

01

Hall 11.1, C27

03

Hall 11.1, C14

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Hall 11.1, C3

06

Hall 11.1, A41

07

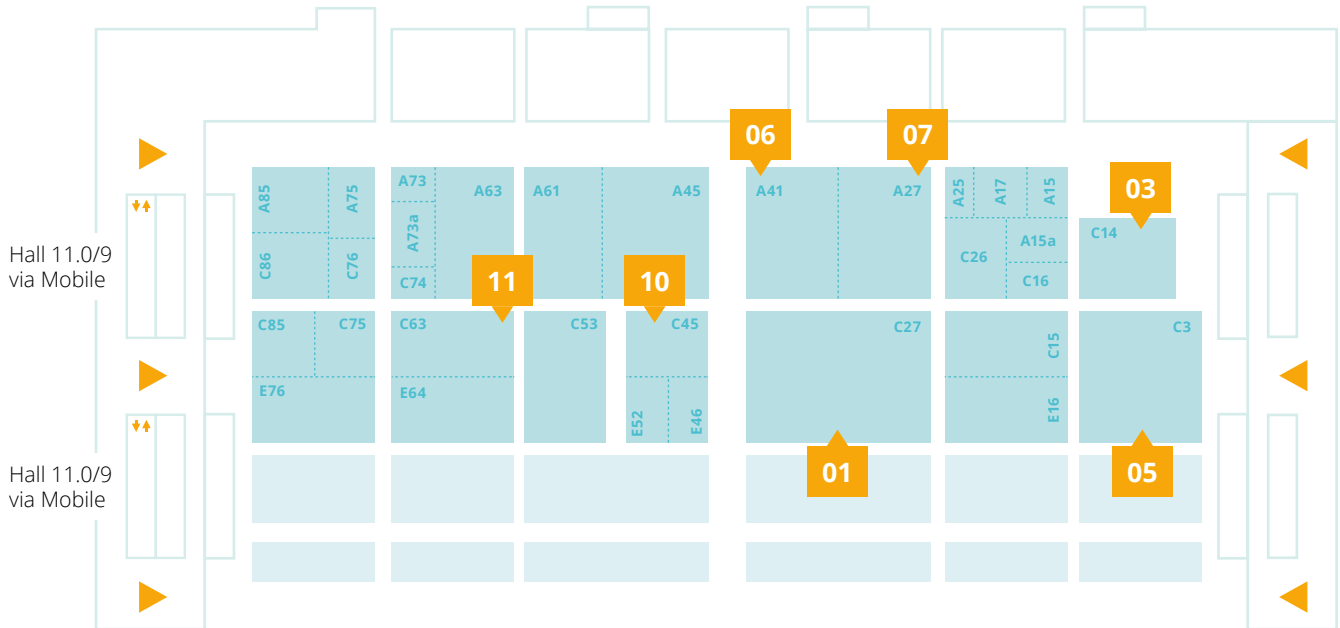
Hall 11.1, A27

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Hall 11.1, C45

11

Hall 11.1, C63



FieldComm Group

www.fieldcommgroup.org/apl

ODVA

www.odva.org/apl

OPC Foundation

www.opcfoundation.org/apl

Profibus & Profinet International (PI)

www.profibus.com/apl

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