PHOENIX CONTACT

DIALOG DAYS

Edition
HANNOVER
MESSE

April 12-16th

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Visit Phoenix Contact Dialog Days, our digital fair from **April 12-16, 2021.**

Exciting live conferences and an interactive exhibition around novelties and highlights on the topic of the **All Electric Society** await you. Experience topics from the fields of electrification, automation and digitalization, among others:

- Digital Factory
- Building Automation
- E-Mobility
- New Technologies 5G and TSN
- Edge computing and cloud in industry

Are you looking for individual solutions? Then talk personally to our experts in the live chat. Take the opportunity to get to know our product innovations directly and virtually during a guided tour.
We look forward to your participation.

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AGENDA

Eastern Standard Time (EST)

This conference agenda has been revised for EST. Original agenda online is held in Central European Summer Time

APRIL 13
TUESDAY

8:00 am	The All Electric Society enabled by Power-to-X
9:00 am	From Digital Twin to Real Component: the Protiq Platform
10:00 am	Single Pair Ethernet More than just new connectors
11:00 am	The All Electric Society enabled by Power-to-Xs

APRIL 14
WEDNESDAY

8:00 am	Avoiding expensive downtimes in the automotiv industry
8:30 am	Maintenance-free communication in real time- the new contactless NearFi technology
9:00 am	Electrification of vehicles
9:30 am	Best in efficiency – the digital future of connection technology
10:00 am	TSN is here! Managed Switches for the New (Realtime) age
10:30 am	Powerful charging technology as an integrted solution for the All Electric Society
11:00 am	Drivers of progress - smart device design for the industry
11:30 am	Smart City - Concepts and solutions for the intelligent city of tomorrow
12:00 pm	Building Intelligence Shaping digital change together
12:30 pm	Made with PLCnext Technology
1:00 pm	Closing words moderators

APRIL 15
THURSDAY

9:00 am	Digital Factory now - Creating added value through intellgent data usage and cyber security in the digital production
10:00 am	M12 push-pull connectors - a market standard

Note: *All sessions above are live. These will be also be available On-demand after the live streaming.*

AGENDA TOPIC SUMMARY

The All Electric Society enabled by Power-to-X	The possibilities of a climate-neutral society are currently being discussed in a wide variety of facets. The key technology of power-to-X can and will make a significant contribution to replacing fossil fuels with climate-neutral energies: renewable energies can be distributed in large quantities, stored and made available on demand. With our digitization solutions and innovative products, we are supporting the transformation in the process industry with regard to power-to-X in generation, storage & distribution and consumption and making the „All Electric Society" a reality
From Digital Twin to Real Component: the Protiq Platformy	There is no such thing as impossible: 3D printing and additive manufacturing seem to offer unlimited possibilities. But what exactly are the advantages compared to conventional production? How do specific use cases for additive manufacturing look like in practice? To what extent does 3D printing support the full digitalization along the value chain? And how does the vertical and horizontal integration of additive manufacturing processes in conventional lines look like in practice? In this presentation you will learn how to benefit from industrial 3D printing.this presentation how to benefit from industrial 3D printing
Single Pair Ethernet More than just new connectors	Single Pair Ethernet - SPE - is the trend topic when it comes to industrial communication technology. Mostly, it reflects components. But it's about more - and it's about the Ethernet-based communication structure of tomorrow. Our experts will introduce you to this technology by means of a live demo with Sick, the world's leading manufacturer of intelligent sensors and sensor solutions. You can also learn all about the current status of standardization and cross-company work in the SPE System Alliance.
Avoiding expensive downtimes in the automotive industry	There is nothing costlier than a machine that is down. Downtimes lead to production losses and incur high costs. Our experts present live how the availability of production plants in the automotiv industry is ensured and how a production around the clock is guaranteed. Futhermore, we will demonstrate how you can use the customizable electronic circuit breaker system CAPAROC and the QUINT power supplies to ensure a reliable 24/7 operation of your systems and production.
Maintenance-free communication in real time- the new contact-less NearFi technology	In many industrial applications, connections have to be plugged and unplugged many hundreds of times a day. For example, when changing tools on industrial robots or docking robots at workstations. Sooner or later, the connector contacts are damaged, soiled or bent in the process. This leads to unplanned or unpredictable production downtime and regular maintenance intervals. With NearFi, we present a new technology that allows energy and Ethernet data to be transmitted over short distances without contact - wear-free and maintenance-free. In many industrial applications, plug connections have to be plugged and unplugged many hundreds of times a day. For example, when changing tools on industrial robots or docking robots at workstations. Sooner or later, the connector contacts are damaged, soiled or bent in the process. This leads to unplanned or unpredictable production downtime and regular maintenance intervals. With NearFi, we present a new technology that allows energy and Ethernet data to be transmitted over short distances without contact - wear-free and maintenance-free.
Electrification of vehicles	The electrification of the powertrain brings new challenges for vehicle manufacturers in the commercial vehicle, passenger carriage and transport industries. We show you how charging times can be reduced with the help of our universally usable vehicle charging inlets..
Best in efficiency – the digital future of connection technology	Digitalization is the key driver of highly automated manufacturing plants. Smart devices ensure high system availability and efficient manufacturing operations. Our experts will present reliable and flexible connection solutions with push-in technology. Convince yourself of the possibilities for smart connection technology: from digital configuration to delivery, digital processes ensure individuality, easy procurement and high availability of connection solutions.
TSN is here! Managed Switches for the New (Realtime) age	Time Sensitive Networking (TSN) is the new standard for real-time communication in Ethernet networks. As a technology leader in the field of industrial communication technology, Phoenix Contact will present the first managed switch that supports the PROFINET TSN profile in spring 2021. In this presentation, you will learn about the different functions and the new possibilities that TSN offers today and in the future.
Powerful charging technology as an integrted solution for the All Electric Society	Key factors for the All Electric Society are electrified vehicles and an intelligent charging infrastructure. The mobility and electricity sector must be smartly connected to enable clean and on-demand generation, storage and distribution of energy. Our experts explain how high-performance charging technology and matching components are formed to an integrated solution. This allows to provide the maximum charging power for charging electric vehicles at any time.
Drivers of progress - smart device design for the industry	The efficient supply of data, signals and power to devices is the basis for an intelligent industrial application. Our experts will show you the highlights for your device connection. These include solutions for convenient conductor connections to the board as well as robust board-to-board connectors. Electrical and data-related networking is provided by special connector systems, e.g. automation technology or Single Pair Ethernet. Innovative enclosure solutions protect your electronics and enable the visualization and operation of your application. Convince yourself of a smart device design that shapes new standards.
Smart City - Concepts and solutions for the intelligent city of tomorrow	A smart city is a combination of many sectors from buildings, infrastructure and mobility. The future vision of the All Electric Society is also based on the intelligent coupling of the individual sectors. In this interview with our experts, you can find out which technologies and applications can already be used to smartify cities today. Using examples for water management, traffic control and public lighting, we show you concrete possibilities for getting started in a networked city. Be inspired and develop new ideas together with Phoenix Contact to make cities more livable and resource-efficient.
Building Intelligence Shaping digital change together	Smart buildings are the result of intelligent building management systems that focus on the Internet of Things and use information from all networked technical systems for automation. Data is the raw material for the application of numerous smart technologies. But smart buildings are also the result of a new way of thinking both in technology and in planning. Using concrete applications along the entire building life cycle, we will show you how we support you with innovative products and holistic solutions. Let us inspire you and shape the digital transformation of building technology together with you.
Made with PLCnext Technology	IT meets OT - How does IT get data from sensors in existing plants in the process industry? PLCnext Technology already offers the possibility to collect this data through its own IIOT servers based on Docker and to make it available to higher-level systems in a standardized way. In a research project together with INVITE, a subsidiary of BAYER and the software company CodeWrights, we demonstrate this in the "Digital Plant Showcase Center". Via OPC UA, data is automatically collected and continuously provided for process optimization or monitoring - with simple configurations and little engineering effort.
Digital Factory now - Creating added value through intellgent data usage and cyber security in the digital production	The increasing number of network nodes in your infrastructure creates a large amount of data, and thus the opportunity for added value for your digital factory. However, with growing networking also comes an increasing risk of unauthorized access and risks from ransomware and viruses. In this interview, you will learn how to optimally prepare your data for the IoT environment of your plants and at the same time protect your plants from cyber attacks. Phoenix Contact supports you from the concept to the maintenance of your secure digital factory with immediately available solutions. This includes, among other things, a fully comprehensive security concept in accordance with IEC 62443. In addition to the future-proof operation of your existing systems, outdated systems can also be securely integrated here in order to securely set up your digital factory now for the future today.
M12 push-pull connectors - a market standard	It is one of the standards in automation: The M12 connector is indispensable for the transmission of signals, data and power. Hardly any other connector has developed so rapidly and opened up new fields of application. Our experts will show you the latest developments in shielding and standardization and how you can benefit from these advancements.

The new digital live communication platform from Phoenix Contact

The interactive platform for digital live communication. We've created a central meeting point to get into contact with you. A space for people and digital experiences, for interactive trade fairs and events.

Once registered, you will now have access to the new **My Dialog Space**. This is *your* personal profile space for the event that allows you to select from trade fairs, live conferences, guided tours, interactive exhibitions, and will allow you to exchange ideas with colleagues and experts.

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