




HOOC CrossLink



Do you sometimes get the feeling that you have lost control over your systems and multi-site facilities? Did you ever wish you would be ...

THE MASTER OF YOUR PLANTS' DESTINY

... again? Then it is time to get you briefed on HOOC CrossLink. Because thanks to its sophisticated technology, you can permanently interconnect all your technical sites, independently of their location, type or age.

CrossLink is composed of two parts. On the one hand, you have the system networking, with which you can centralize data of different installations. On the other, you have the site(-to-site) networking which allows cross-site communication. Therefore, with CrossLink you cannot only access your systems, but potentially orchestrate and adapt your whole technical process.



DID YOU KNOW?

- ... that you even have the possibility to receive automatic alarm messages in case of system failures (HOOC Alert)?
- ... that we also offer specific embedded and customized solutions?



WHAT'S IN FOR YOU

HOOC CrossLink offers you ...

- a simple plug&play solution without the need of adapting the existing infrastructure
- a fast connection even over the longest distances
- a possibility to centralize data
- a transparent cross-location network



A THING OF THE PAST

No more ...

- complicated setups of the network infrastructure
- lack of data overview
- costly maintenance services
- time-consuming coordination with third-party providers



A MUST HAVE

HOOC CrossLink is perfect for ...

- the visualization of HVAC systems and industrial control systems
- the building technology of residential buildings
- the connection of office locations
- the networking of water supply systems



Let's get down to the nitty-gritty of the ...

TECHNOLOGY BEHIND HOOC CROSSLINK



INTERFACES

- Interfaces to LTE/mobile networks
- Interfaces to WLAN/WAN/LAN
- Connection of third-party systems
- VPN connection to networks, systems and technical infrastructure
- Connection via physical gateways
- Possibility to integrate directly in hardware components (embedded solution)



MANAGEMENT AND SECURITY

- Possibility to run part of the business operation in a specific data center
- Mapping of IP devices of any IP subnet into a central IP subnet with freely selectable IP addresses
- DHCP and network filter
- Attribution of VLAN tags
- Strongly secured connection
- Specially developed HOOC Cloud Service



SMART USER MANAGEMENT

- Two-factor authentication
- Smart Access Management (e.g. time-limited accesses)
- Centralized management of various systems and infrastructures



DEVICE INTERCONNECT (SEDIC)

- System networking
- Data gathering from different plants and systems
- Communication between a central system to decentralized controls and programs
- Connection of control systems with central SCADA system
- No on-site adaptation of IP addresses necessary thanks to IP address mapping
- Access and history logs
- Networking via OSI layer3



NETWORK INTERCONNECT (SENEC)

- Site networking
- Data exchange from different cross-located sites
- Site-to-site VPN
- Support for any ethernet-based protocol including BACnet
- Attribution of IP addresses may be necessary
- Networking via OSI layer 2 for broadcast / multicast traffic



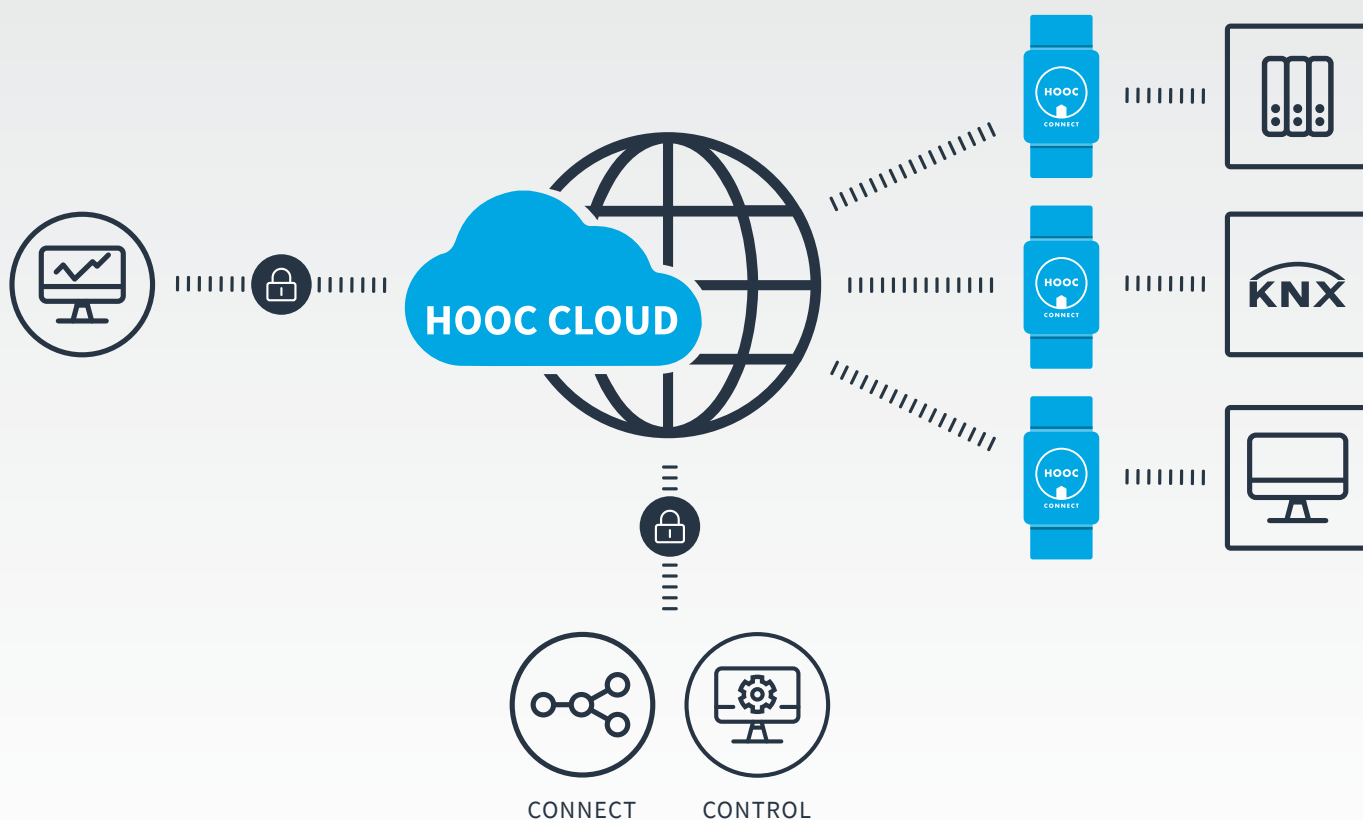
COMPATIBILITY WITH OTHER SOLUTIONS

- HOOC Alert for the automatic warning in case of system malfunctions
- HOOC Collab for instant messaging and data transfer
- HOOC Embedded and HOOC Customize for special customer solutions



THE HOOC CROSSLINK MECHANISM

System and site networking (from left to right): Both services are orchestrated via the HOOC Cloud and the HOOC gateways. It does not matter whether you work with KNX devices, PLC or other technical infrastructure. HOOC Cross-Link offers you a highly secure access to all your systems and sites. Its VPN tunnel is the perfect base for all other HOOC solutions in the era of Connect(ivity), Control and Collab(oration).



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Version of March 2025