

This video presentation directly relates to my comprehensive skill set in cybersecurity. It demonstrates not just my technical knowledge but also my proficiency in communication, research, and the ability to make complex topics understandable to diverse audiences. This aligns well with my goal of proving my capacity as a cybersecurity professional who can effectively collaborate and lead in a variety of settings.

Media Player

Smart Metering Cybersecurity

The diagram illustrates the Smart Metering Cybersecurity architecture, divided into three main sections:

- Consumer/Producer:** Includes a Household (230V / 400V), Generation or controllable load, HAN (Home Area Network), LMN (Local Metering Network) (OMS), and Gateway.
- Metering Service Provider (MSP):** Includes a Web portal, Central IT, LAN, Head End System (HES), and a vertical arrow labeled "Aggregated metering data".
- Distribution Network Operator (DNO):** Includes a Low-voltage Network, Medium-voltage Network, Substation (10-50kV), Process LAN/WAN, and Control Center.

The diagram shows the flow of data and control between these components, with the Internet (WAN) connecting the Consumer/Producer and the Metering Service Provider (MSP). The DNO is connected to the Low-voltage Network and the Medium-voltage Network, which are connected to the Substation. The Substation is connected to the Process LAN/WAN, which is connected to the Control Center. The Control Center is connected to the Head End System (HES) in the MSP. The HES is connected to the LAN, which is connected to the Central IT. The Central IT is connected to the Web portal. The Web portal is connected to the Internet (WAN). The Internet (WAN) is connected to the HAN in the Consumer/Producer. The HAN is connected to the LMN (OMS) and the Gateway. The Gateway is connected to the Household (230V / 400V). The Household (230V / 400V) is connected to the Generation or controllable load.

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Vlog Smart Metering Cybersecurity