

Swegon: Trådløst før det ble PropTech

● **Praktisk PropTech** | Spunten · 1st and 2nd floor | 11:25–11:35 | 

Part of Praktisk PropTech III: Da byggene fikk sanser og hukommelse-



John Wibrand

System Development Director Digital Services, Swegon

Wireless was never the goal, but it removed the friction

John Wibrand described how Swegon moved room control in ventilation from cables to radio. His slides opened with the figures that 40% of the world's CO2 emissions come from the building and property sector, that 50% of this comes from heating, ventilation and cooling, and that buildings should be CO2 neutral by 2050. Wired Modbus installations worked, but the cabling cost money, was connected wrong, was hard to monitor and update, and held back the function. A mesh radio network was easier to install, let rooms be reconfigured, scaled better and took software updates. A building lasts about 150 years, while control equipment is replaced about every 15 years and software is updated every year. He set out the manufacturer's role: good hardware, following products through their life cycle, making data available, and openness and collaboration.

KEY TAKEAWAYS

- Wired Modbus worked, but cabling was costly, often connected wrong, and hard to monitor and update.
- A mesh network installs more easily, lets rooms be reconfigured, scales better, takes software updates and is redundant.
- A building lasts about 150 years; control equipment is replaced about every 15 years, software every year.
- Manufacturers should make data from products and systems available for reporting and optimisation.
- Best practice: build a good foundation, demand data in standard formats, and prioritise.

50%

of the building sector's CO2 emissions come from heating, ventilation and cooling