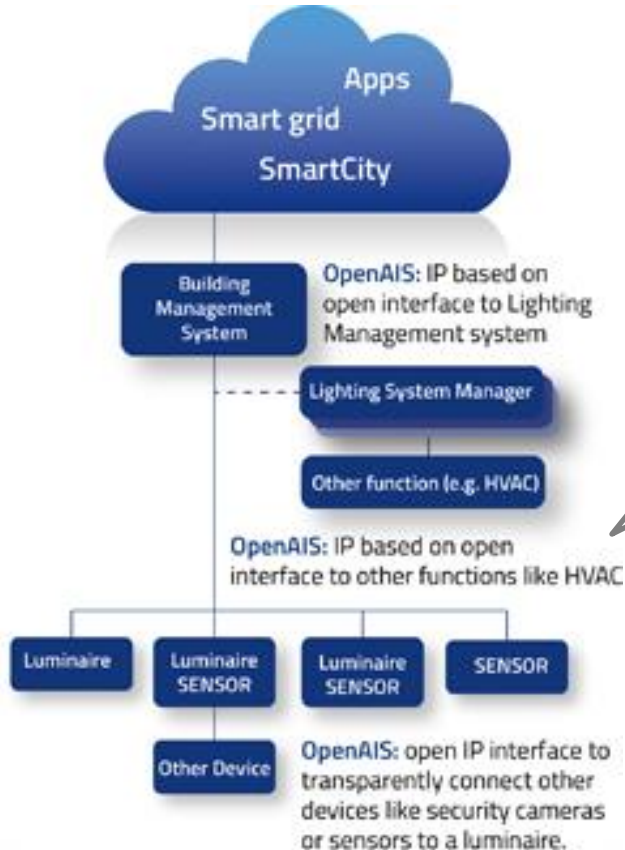


OpenAIS – Pilot Implementation of Next Generation Building Lighting Systems and Connectivity Architecture



Reference Architecture for:

- **Control and communication** architecture for indoor managed building lighting and sensing
- A **multi-vendor** and open IT connected systems
- Need for **differentiation**, openness and future developments.

PHILIPS



NXP



ZUMTOBEL

dorniq

ARM

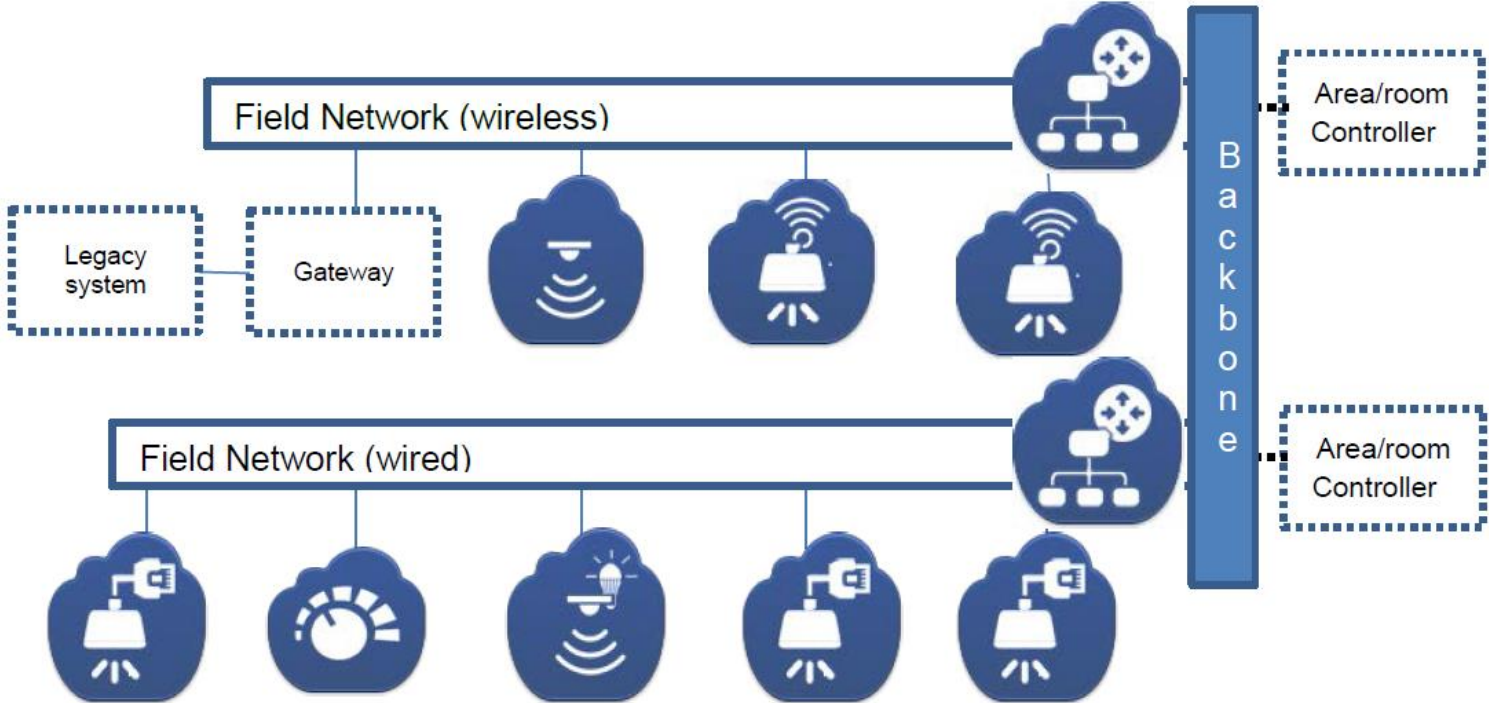
TRIDONIC
enlightening your ideas

TU/e

TNO

Supported by the Horizon 2020 funding of the European Union

OpenAIS – Pilot Implementation of Next Generation Building Lighting Systems and Connectivity Architecture



OpenAIS – Pilot Implementation of Next Generation Building Lighting Systems and Connectivity Architecture



Pilot deployment: De Witte Dame building in Eindhoven, the Netherlands

Interoperability

- 400 connected nodes (luminaires, sensors) from different manufacturers

Hybrid wired and wireless networks:

- Ethernet and Thread Wireless integrated with Commissioning infrastructure and IT network

Advanced lighting control strategies focused on enhancing user experience:

- Local occupancy and light level sensing per luminaire, granular sensing and control strategies (local dimming), personal control via office Smartphone App

Building Management System (BMS) Integration:

- Data analytics for occupancy & energy data

<http://openais.eu>