



HOW SMART TECHNOLOGY WILL CHANGE THE WAY WE LIVE AND WORK

The exponential growth of various SMART technologies, all communicating over fibre optic networks, creates a growing need for network automation and management.

The past five years we have seen major changes in our business models. These changes of the past are now the megatrends for the future and driven by constantly emerging new SMART technologies.

In the automated world we live in, we control houses and buildings via Internet and have access to everything, everywhere! Advanced networks are key in this development. For making your fibre optic networks SMART, TKF Telecom is introducing its new brand ACE+. By adding SMART technology, like sensors, tags and software solutions to our existing

ACE concept, we can enhance, automate and help controlling your network.

TKF brings you the following SMART solutions:

- Automated ODF using Robotics
- Automated OTDR Measurement
- SMART cabinet control (access and status)
- Passive component identification
- Open source software to interact with operators NOC

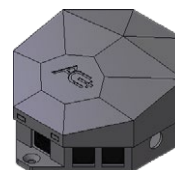
$$\text{ACE} + \text{SMART technology} = \text{ACE+}$$

APP-BASED SMART CABINET CONTROL, ACCESS AND STATUS

This lightweight solution offers SMART supervision and access management for street cabinets. The lock and the important sensors like tilt and temperature can remotely be checked, managed and automated, offering operators and service employees improved reliability, efficiency and safety. The system is easy to integrate in existing network management systems.

With our SMART cabinet, we offer the first 3-in-1 solution:

- an access control system, which manages and controls the users rights
- a supervision system for passive infrastructure
- a system that allows you to get rid of physical keys

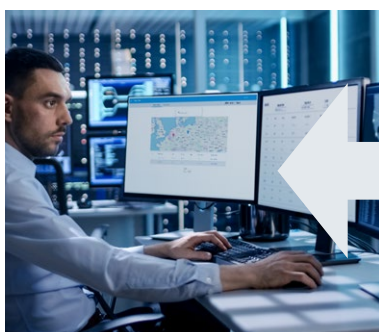


Main unit

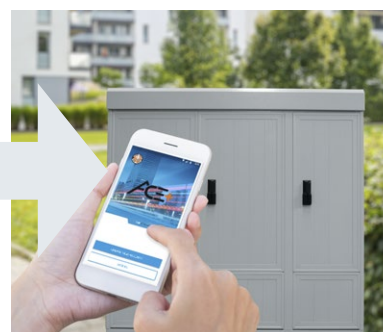
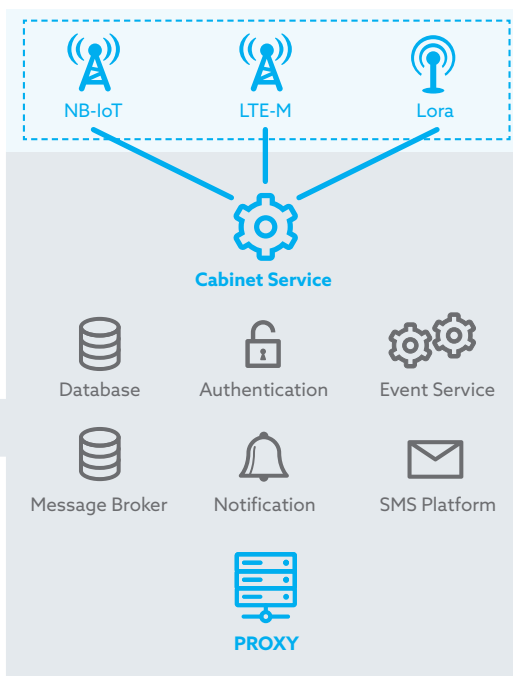


Lock

SOFTWARE ARCHITECTURE



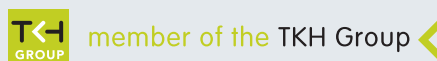
Network Operation Centre (NOC)



ACE+ Key mobile app

MEET THE TKH GROUP AND ITS CORE TECHNOLOGIES

TKH Group NV (TKH) is an internationally operating group of companies specialized in creating and supplying innovative Telecom, Building and Industrial Solutions. All TKH technologies are interlinked into total solutions for these three business segments.



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