

## Case Study

# About Deutsche Glasfaser

Established in 2012 by the Dutch firm Reggeborgh, Deutsche Glasfaser deliver fibre to the home (FTTH) in regions of North Rhine–Westphalia, Schleswig–Holstein, Bavaria, and Lower Saxony, for 100 or 200 Mbps internet, television, and VoIP telephone communication services.

## The Challenge

- › Protecting Critical Infrastructure sites against intruders and the elements, including fire, temperature, humidity, and power failures.
- › Implementing an electronic access control system that would provide critical information for site security and enable remote access to maintenance technicians and other required personnel.
- › To reduce the risk and streamline key handling processes.

## The Outcome

- › Implementation of our AC system for electronic access control and remote access to areas for maintenance technicians and personnel at DGF Sites.
- › Heightened security at VI locations with intrusion detection and reporting features that provide crucial information on people presence at unmanned sites.
- › Environmental monitoring of crucial information on Humidity/ Temperature/Flooding and fire detection for facilities with large visitor numbers and increased risks.



# The Solution



## Apollo controllers

Installed in every point of presence (PoP) location, APOLLO controllers support the delivery of a fully automated key management system that can be controlled remotely.



## Environmental monitoring

Apollo enables temperature and humidity monitoring at Deutsche Glasfaser's unmanned sites. Exceeding threshold limits triggers operator alerts for timely corrective action.



## Heightened security at unmanned sites

To enhance security at unmanned sites, passive infrared sensors were implemented. These sensors detect and report intrusions through monitored inputs, ensuring peace of mind and a prompt operator response.



## Seamless access management procedures

A key priority was electronic access control and remote access for maintenance technicians and personnel. Our access control solution, utilizing card/Bluetooth technology, ensures seamless and efficient entry, eliminating the need for traditional keys.



## Testimonial

"Apollo contributes to a reduction of the total maintenance costs of the glass fibre network. For example, we get a notification if the air-conditioning in a PoP gets too high and therefore the A/C needs to be used more than usual."

**Frank Merkel**

Responsible for PoPs at Deutsche Glasfaser



[tkhsecurity.com](https://tkhsecurity.com)

[info@tkhsecurity.com](mailto:info@tkhsecurity.com)

Copyright © 2023 TKH Security B.V.