

5G Campus Network

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Base

A 5G campus network provides high-performance, highly responsive connectivity within a campus area. It improves data transfer rates, reduces latency and supports a variety of Internet of Things (IoT) applications. As a private network, it enables individual security and data protection requirements.

Objectives

- Promoting innovation and competitiveness
- Securing the location's future viability
- Increasing the attractiveness for companies and talents
- Creating a testing ground for interested companies and institutes

Implementation

Following the successful application to the Federal Network Agency for a 5G campus licence for the Adlershof Technology Park in 2020, the technology and device selection process began. The private 5G network set up and operated by Logicalis GmbH consists of components from the manufacturer Nokia. The antenna was installed in the centre of Albert-Einstein-Straße to achieve the best possible coverage of the approved area. In addition, hardware for a special interior cover was installed in the a:head area (Forum Adlershof). This protected area makes it possible to test applications under controlled conditions without external interference distorting the results.

Impact

1. Private 5G outdoor coverage in the core area of the technology park
2. Private 5G indoor coverage in the a:head area
3. Option to expand coverage area
4. Individual consultation and customization of network slices possible

Project period

2019:

Concept phase

2020:

Approval of the campus licence by the BNetzA

2022:

Commissioning of the 5G-Campus network

since 2022:

Utilisation

Project partner

LOGICALIS
Architects of Change

Contact

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A project by:

