Johannes Weicksel

HEAD OF BUSINESS

DEVELOPMENT

CAMPUSGENIUS

5G-Core-as-a-Service

Johannes Weicksel, Head of Business Development, CampusGenius
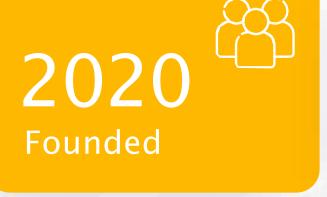
5G-as-a-Service
for Enterprise Applications

Who We Are

2020
Founded

23
Employees

5GACIA

TECHBOOST

xG-ALOE

Werner-von-Siemens Centre
for Industry and Science

NOKIA

airpuls

is-wireless

Microamp

Experts for private 5G

5G-Core Developmefit

CampusGenius 5G-SA GeniusCore Cloud Deployment
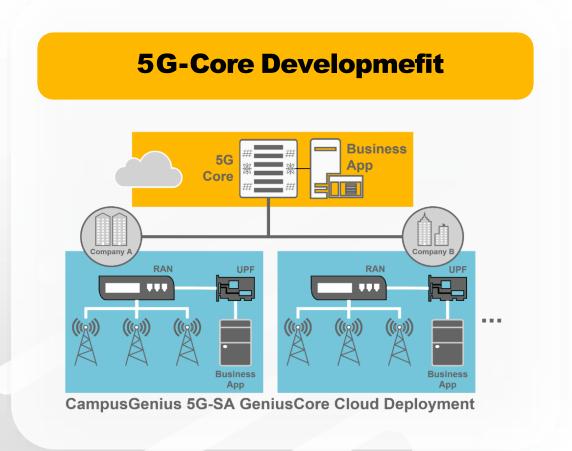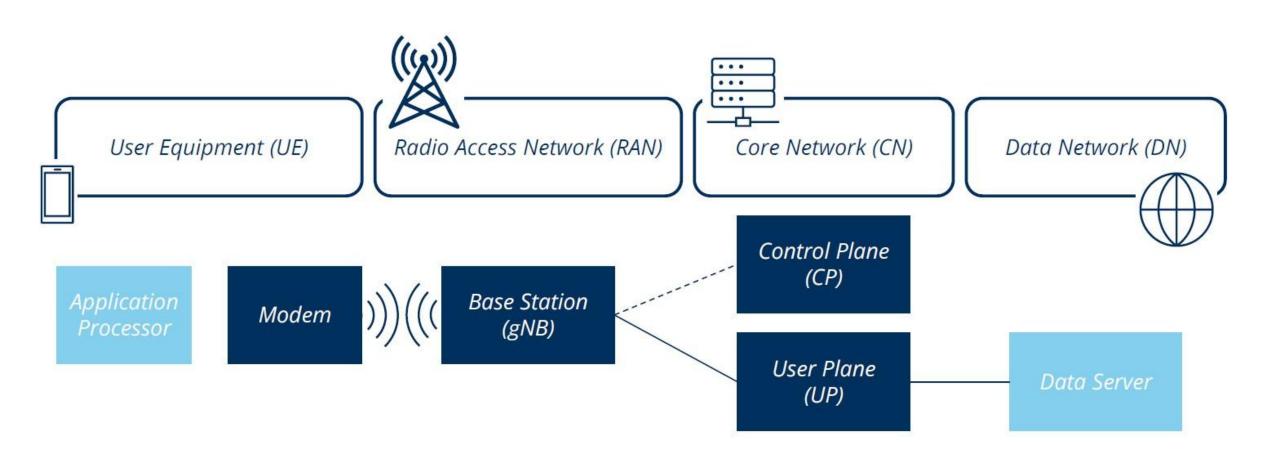
Turfikey solutiofis

End-to-end solutions

Tailor-made for our customers

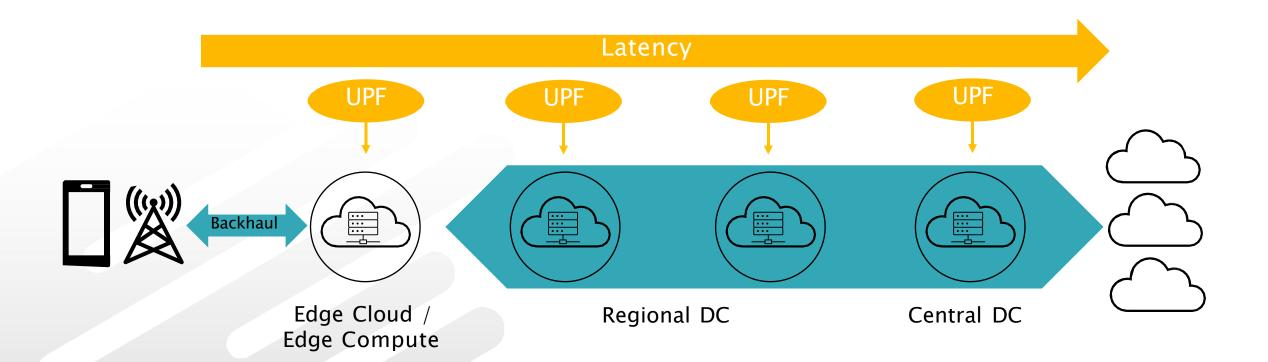Fully integrated and pre-configured

Operation and monitoring
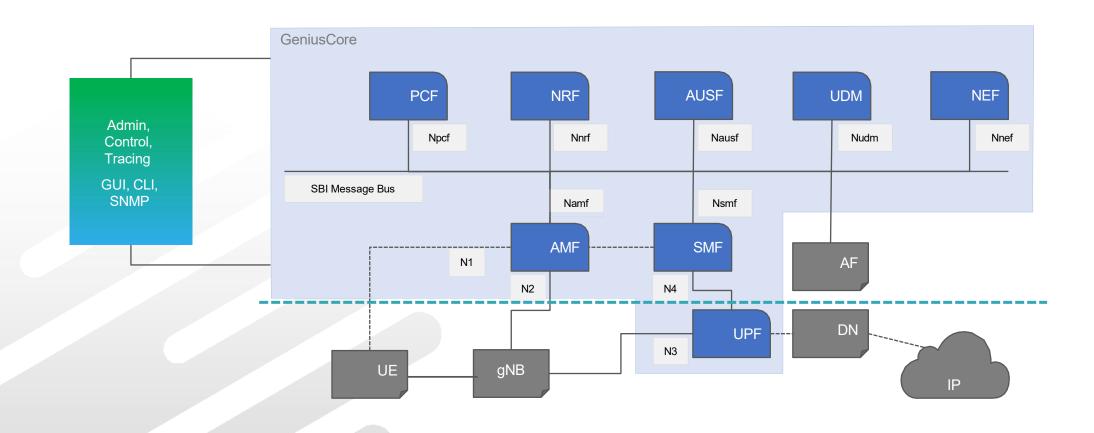
Architecture and components

Where's the edge?

5G–Core as Enabler for Edge Computing

5G–Core as Enabler for Edge Computing

Pi Stack Demo
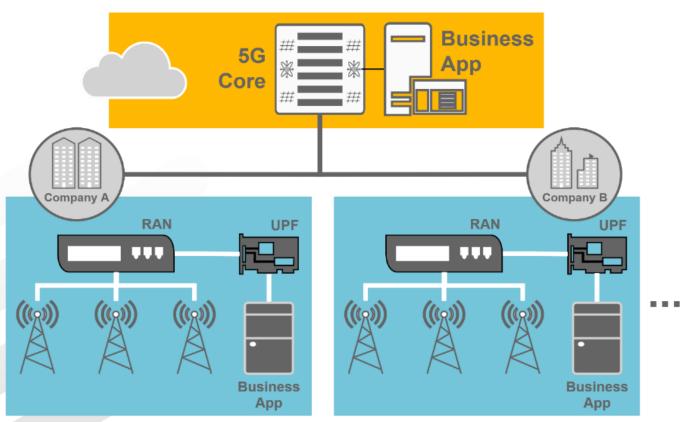
Each network function on a single Raspberry Pi 4

1. AMF

2. AUSF

3. SMF

4. NRF

5. PCF

6. UPF

7. UERANSIM

8. UDM +GUI

Control & User Plane Separation (CUPS)

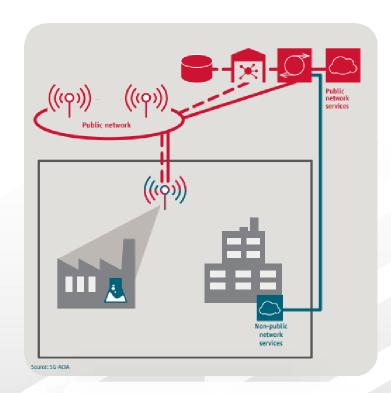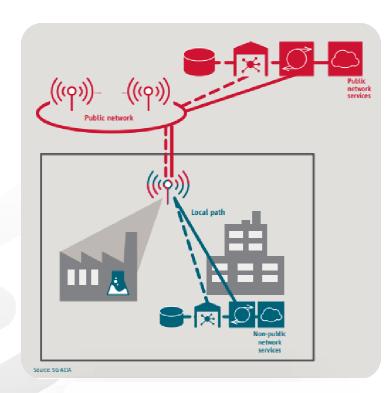CampusGenius 5G-SA GeniusCore Cloud Deployment
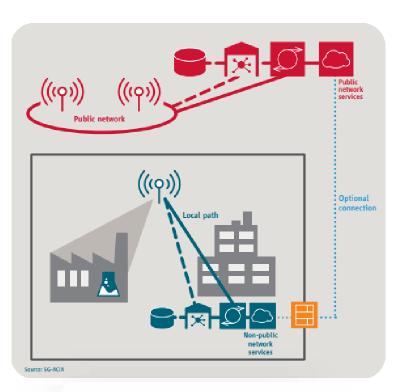
Deployment models for private 5G

Public network services

Public network

Non-public network services

Source: 5G-ACIA

As Network Slice via Public Network

Public network services

Public network

Local path

Non-public network services

Source: 5G-ACIA

As hybrid network with local data breakout

Public network services

Public network

Local path

Optional connection

Non-public network services

Source: 5G-ACIA

As Independent 5G-network

Verticals

CAMPUS GENIUS

Logistics

Production

Agriculture

Media

Education

Medicine

Construction

Smart City

Verticals

Hospitals
- Positioning
- Voice Services

- Remote Diagnosis (Video)
- Patient Data Management Systems

Agriculture
- local Coverage (power)
- Fixed Wireless Access

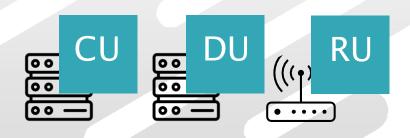Media & Events
- Everything Edge
- Midhaul

Construction
- Coverage (Reflection)
- Positioning

Hardware

Smartphones

Tablets

Routers

m.2 cards

CU

DU

RU

Control my network at the edge

We support you ifi buildifig more flexible, secure afid efficiefit private 5G fietworks!

CAMPUS GENIUS

Johafifies Weicksel

Head of Sales

johafifies.weicksel@campusgefiius.com

+49 151 400 34 034