

# **ANF Data spol. s r. o. a Siemens company**

SPP FI MUNI  
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## Základní informace o společnosti ANF Data



- Rok založení 1992
- Kapitálová struktura: SIEMENS AG Rakousko 100%
- Sídlo firmy Praha, pobočka Brno
- přibližně 250 zaměstnanců
- ISO 9001:2008
- ISO 14001:2004

## Struktura společnosti

- Communication Media Technology (CMT)
- Siemens Corporate Technology Development Center CEE (CT CEE)

# Corporate Technology Development Centre (CT DC)



- CT DC CEE in Czech Republic was founded in April 2009 as part of CT CEE Austria after split of former Siemens PSE organization.
- With around 60 motivated people we support Siemens sectors by high quality engineers.
- We work on our project from location in Prague and Brno
- Department head is Mr. Vladimír Kulla

## CT DC ITS CEE – Traffic Systems



We develop and integrate SW solutions in the following areas:

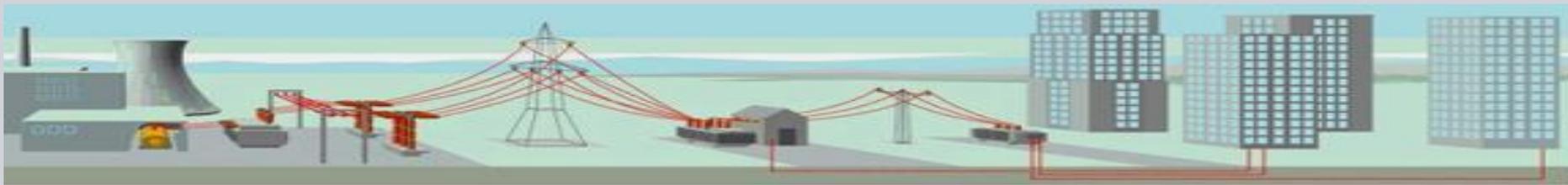
- **.NET applications**  
Large-scale Client/Server applications for traffic engineers (GUI, data layer)
- **Java applications**  
Mainly java servers using advanced J2EE techniques.
- **Embedded C**  
Firmware for parking machines.
- **Embedded Linux**  
Traffic server device.
- **CM Support**  
ClearCase and ClearQuest administration for the customer.

## CT DC | IAS CEE - Industrial Communication

- Reliable partner for **HW development, embedded real-time development, industrial communication and test**
- Complete near-shore development solution in Prague
- Expert level PROFINET IO know-how from specification to system test and certification
- Wide range of real-time operating systems (VxWorks, RT Linux, NRK, eCos ...)
- Development of wide range of communication protocols (PROFINET IO, FF, HART, Wireless HART...)
- PROFINET Certification test
- Trainings



## CT DC E DES CEE



Together with our partner meter company operating mainly in CEE, we are bringing to our customers the most Capable & Scalable and Exceptional Meter Data Management System **EnergyIP**.

- We are also actively cooperating with Siemens AMIS team responsible for developing Smart Meters

## CMT – Czech Republic

### Overall

**CMT Czech Republic**  
**ANF DATA s.r.o.**



Founded: 1992

Locations: Prague, Brno  
cca 130 Employees

### Skills / Domain Know-How

Certificates:

Certified SCRUM Masters  
ISTQB certified tester  
Siemens certified PM  
Sun Java certified programmer  
Certified Product Owners  
Certified ClearCase  
Certified Design and programming in C++  
Certified Unix/Linux scripting tools  
Ccertified Visual Studio .NET  
Certified Sun Solaris  
Certified Symbian developer  
Forum Nokia Champion

Skills / domain know-how:

95% M.Sc./B.Sc. degree  
95% English or German speaking

Key competence areas:

Software – C/C++,C#, .NET, Java / J2EE; SmallTalk  
Telecommunications, embedded development,  
Unix and Windows platforms

ISO Certificates:

ISO 14001  
ISO 9001

# CMT – Czech Republic

TN AS

- ESA Qualified Partner (QPA)
  - Satellite Communication Solutions
  - Siemens Carrier Monitoring System (SIECAMS)
  - Carrier Monitoring&Signal Analysis, Interference localization, Easy Line Up
- Key customers: ESA, Eutelsat, Noorsat (Bahrain), Horizont (Saudi Arabia)

BS IM

- Inventory Management (CONDIS)
  - Inventory and network management systems and their integration
  - Integrated information base of the entire multi-technology / multi-vendor network
  - One logical, consistent storage for all data about resources, physical & logical services and their usage by product customization, integration and migration
- Key customers: RFI (Italy)

MM VMR

- IP Multimedia Subsystem (IMS) – next generation software for telco operators providing IP-based services
  - Significant part of the project is done in Brno
  - OTT – Over-the-Top TV
- Key customers: NSN and its customers (Vodafone, Verizon, Orange, Telefonica, T-Mobile, France Telecom, ComHem, TeliaSonera, Time Warner Cable)

## CMT MM VMR

IMS

- IMS: next generation software for telco operators providing IP-based services (NSN product)
- Significant part of subproject management, development, performance & system engineering and testing done in Brno
- Key know-how of people in Brno:
  - Standards: 3GPP, IETF, TISPAN, TCP/IP
  - C/C++, Java, Unix platform
  - Test automation – Tcl/Tk, Perl, ISTQB certifications

OTT

- OTT – Over-the-Top TV
- Development of client applications (iPhone, Android, Symbian)
- New and quickly emerging topic

## CMT OSS IM

- Integrated information base of the entire multi-technology / multi-vendor network
- Own product
- Realization of one logical, consistent storage for all data about resources, physical & logical services and their usage by product customization, integration and migration
- Key know-how: Inventory, network management systems and their integration
- CONDIS projects are realized with AT & SK colleagues; in CZ (Brno), development is concentrated
- Current projects with participation in CZ
  - Condis BWI
  - Condis for RFI

## CMT TN AS

Focused on the development of software solutions for:

- Satellite Control Systems
- Ground Station Solutions
- IT infrastructure for Space Agencies
- Earth Observation Infrastructure

Projects:

- SIECAMS (Siemens Carrier Monitoring System): highly sophisticated automated RF traffic monitoring system for continuous monitoring of satellite signals and for ensuring high quality standards in uplink procedures. Installed on many ground stations distributed all over the world and monitoring the downlink traffic of 28 satellites.
- Spatial Observation Services and Infrastructure (SOSI-CZ)
- Galileo Payload Test System, Satellite Constellation Control Facility

**Thank you for your attention!**

## **RNDr. Ondřej Skřehota**

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