

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

Den s průmyslovými partnery FI MUNI
10.12.2009



Základní informace o společnosti



- Rok založení 1992
- Kapitálová struktura: SIEMENS AG Rakousko 100%
- Sídlo firmy Praha, pobočka Brno
- přibližně 300 zaměstnanců
- ISO 9001:2008
- ISO 14001:2004

Struktura společnosti

- SIS SVI MM
- SIS SDE IEH/HMC
- Corporate Technology Development Center CEE

SIS SVI MM

Long term, large scale project IMS

- IMS stands for IP-based Multimedia Subsystem
- it constitutes the next generation software for (not only mobile) telecommunication operators.
- With IMS, operators will be able to offer IP-based services to its customers like presence, chat, etc.
- IMS is a result of successful cooperation within Siemens and Nokia (NSN)

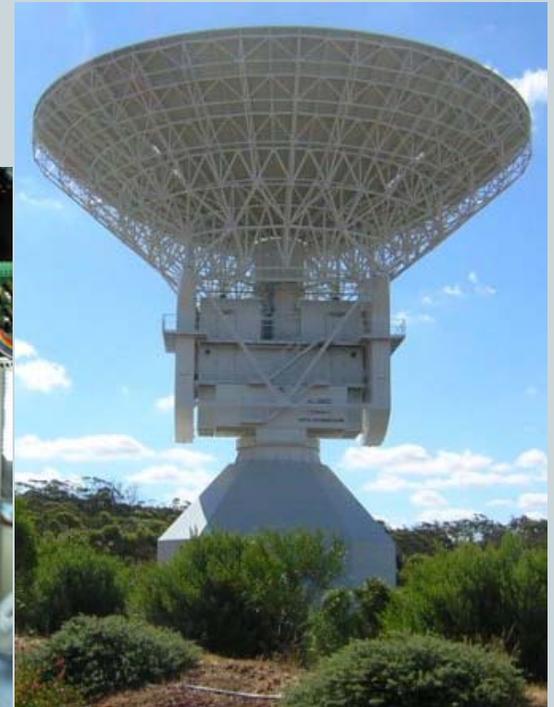
SIS SDE IEH: Aerospace solutions

▪ Satellite Test & Power Systems

- Test Systems for Satellites - EGSE
- Launch Base Power Systems

▪ Satellite Communication Solutions

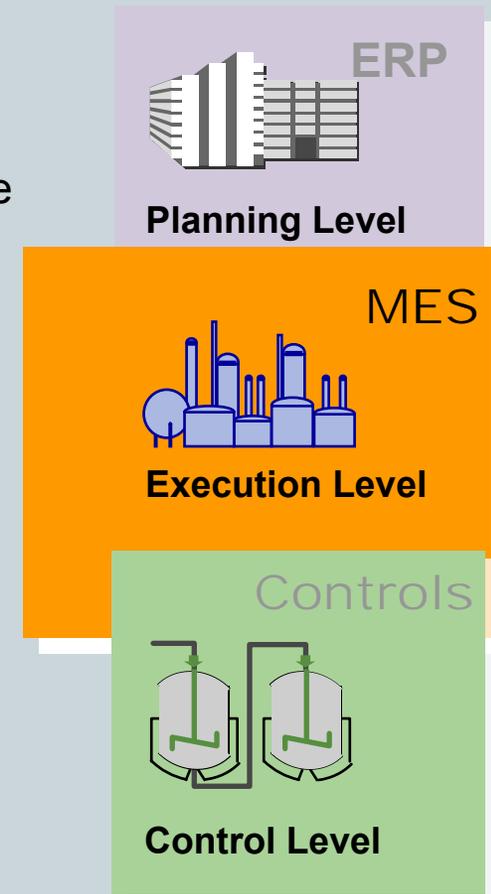
- SIECAMS (Siemens Carrier Monitoring System)



SIS SDE IEH FAS in focus of MES

Core competences

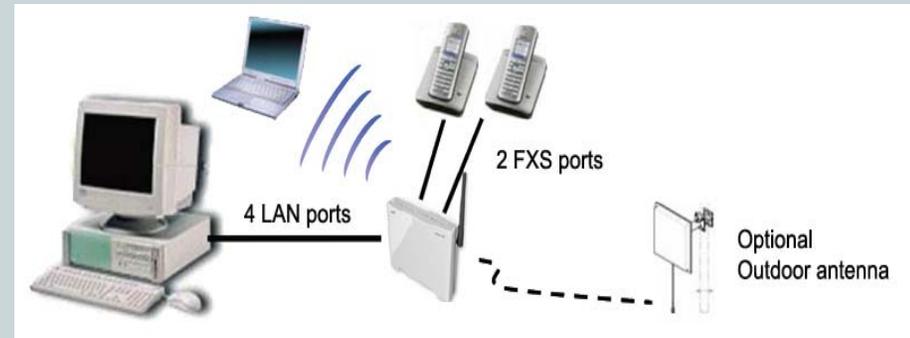
- professional consulting as well as with efficient development work throughout the entire software developing process.
- Manufacturing Execution System
- Projects for OSRAM and SAB Miller (Pilsen Brewery)



SIS SDE IEH Projects: WiMAX

Gateways, mobile and fixed devices (modems) for WiMAX network providing high performance wireless last-mile access.

- **ANF Data does both development and system test**
- **Products**
 - SX685/SX686: full featured WiMAX gateway
 - SX682: WiMAX modem
- **Main Features**
 - WiMAX modem
 - WiFi (SX686 model only)
 - Ethernet ports
 - VoIP, FXS ports
 - Web server, File server, USB print server
 - OTA (over-the-air) provisioning
 - Throughput of 23 Mbps
- **Technologies**
 - Infineon HW platform with MIPS2, ARM architecture
 - Intel RF API
 - Embedded Linux OS, VxWorks
 - WiMAX, TCP/IP, VoIP, SIP, SNMP, UPnP, WiFi, USB, EAP, TLS/TTLS, OTA, TR-069, SSH
 - C/C++, Javascript, HTML



SIS SDE IEH: Former projects

▪ VoIP phones

- Customer: Siemens COM
- OpenStage phones, VoIP clients for Siemens mobile phones

▪ WiMAX ASN Gateway

- Customer: Siemens COM

▪ Broadband Gateways

- Customer: Siemens SHC / Gigaset
- Porta W502V, WiMAX D modem

▪ DECT phones

- Customer: Siemens SHC / Gigaset



SIS SDE HMC CZ

Local Support centres:

▪ **Project management**

- Consulting in following areas: PM, QM, RE, EPM, CM, [PROC](#), [ALM](#)
- Facilitation of workshops, project kick-off and project experience meetings

▪ **Java**

- Monitoring technology
- Consulting & Support - solving on demand questions on projects

▪ **Architecture**

- Architectural reviews and consultations on projects
- Short-term participation on projects with focus on architecture
- Support for tools related with architectural topics
- Support for local trainings and coaching

▪ **Test**

- Provide training, e-learning, etc. with the focus on test methods
- Test know-how exchange (test tools, experiences, ...)

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 50 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 I IAS CEE - Industrial Communication

- Reliable partner for **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



- To design, develop, install, configure and support the most reliable Meter-to-Bill solution for AMI meters infrastructure (Smart Metering) in Europe.
- Together with our partner eMeter company operating mainly in USA, 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

Co ANF Data nabízí studentům

Naší hlavní činností je výzkum a vývoj v oblasti SW a poskytování maximální přidané hodnoty našim zákazníkům za použití nejmodernějších poznatků, trendů a technologií. Proto se orientujeme na spolupráci s univerzitami.

Pro studenty nabízíme:

- Part-time práce při studiu
- Spolupráce na zajímavých Bc. a diplomových pracích
 - (Ing. Jan Verner obdržel cenu **Werner von Siemens Excellence Award 2009**)
- Hostované přednášky našich expertů

Thank you for your attention!

Ondřej Skřehota

Section Leader

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