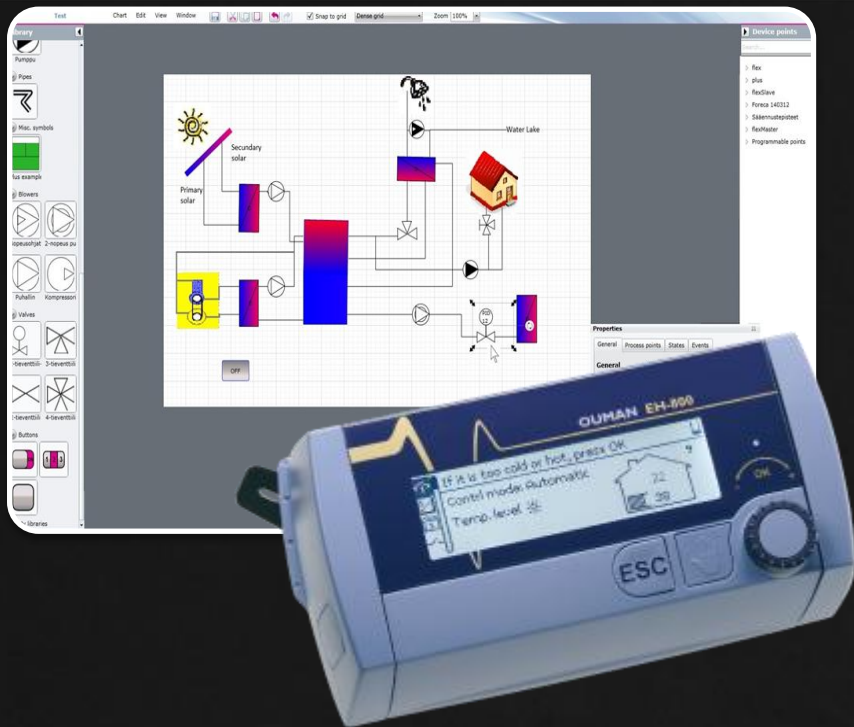


# Relevant on Microsoft Platforms



## Intelligent building monitoring system

- Real time information, communication and control over the state and functioning parameters of the devices from virtually anywhere
- Remote maintenance and monitoring of building processes (heating, ventilation, security) via a rich web interface.

Customer: Confidential, Finland

## Technologies

- Silverlight 2, Visual Studio 2008
- ASP .NET 2.0, Visual Studio 2005

The AROBS Team: 5 developers, 1 PM, 2 QA

# Embedded Projects/ Automotive



## Operator Panels,

Development of operator panels, suitable for mobile machines (centralized control solution for managing various types of accessories attached to the utility vehicle)

**Customer:** Confidential



**Technologies:** C, C++,QT, OS: proprietary / Linux; CAN protocols: CAN Open, ISO 11783 -ISOBUS

## The AROBS Team

10 software developers, 1 Project Manager, 2 testers

# Embedded Projects/ Automotive



## Infotainment System

- Multimedia (audio/video) backend
- Index ( with tracker-tracker) from Gnome
- Integrated mass storage device
- Modules for iPod, MTP and UPNP
- DMB (mobile TV), Voice notes and Speech to Text

Customer: Confidential, USA

Techologies: Linux, Genivi, nVidia Tegra (ARM)

The AROBS Team: 7 Software Engineers

# Embedded Projects/ Automotive



## GPS Navigation System :



- Design and Implementation of various features: Door-to-door Navigation, Signpost Information, SpeedInfo, Touch screen operation, 3D-view, Voice, Command function, Route planning with reference points, Destination selection from Outlook contacts

Customer: Confidential, Germany, USA, Finland

# Embedded Projects/ Automotive



## MP3 portable player

The player was developed for a PNA device equipped with the NAVIGON MN6-based navigation software



Technologies: C++/ MFC

The AROBS Team: 8 developers, 1 Project Manager, 2 QA



## Automated Fare Collection for Public Transportation

- Implement and control communication (drivers implementation) with all hardware components: printing machine, bill acceptor, coins acceptor, card reader, AC system, touch screen, web cam
- Back office - serves and software (back office services) to provide management and oversight of the AFC system: fare management, media management, reporting

Customer: Confidential, Romania

Technologies: .NET, WPF, WCF

Team: 3 software developers, 1 Project Manager, 1 tester

# Relevant Embedded Projects/ Automotive



## Automotive – Interior and Body & Security

- Body Control Modules - building blocks of modern vehicle architectures.
- Access Control Systems - ensure a higher degree of security and greater convenience.
- Tire Information Systems - help make motoring safer, eco-friendlier and tire management easier for the driver.

Customer: Confidential

Technologies: embedded C, MathLab

Team: 16 software engineers, 1 Project Manager



## House Automation –

- zSafe is a complete concept (hardware and software) designed to protect and secure personal properties by supervise and control systems that might cause damage on properties.
- The concept consists of a set of sensors, attenuators and a hub that is able to make the devices communicate with the outer world via Internet or the GSM network.

Customer: - , Norway

Technologies & Protocols: ZigBee (ZCL), GPIO, UART, I2C, ThreadX, ASP MVC 4, ASP MVC Web API, Entity Framework, MS SQL Server

Team: 4 software engineers, 1 Project Manager





# Relevant Embedded Projects



## AGT – GPS Tracking Device

- AG T is an efficient and cost effective GPS tracking device used for commercial fleet monitoring.
- ARM 32-bit Cortex™-M3 CPU , GPS,GSM, CAN modules
- Interface to connect other devices from vehicle using inputs/outputs and a CAN interface.
- Customizable firmware.
- Remote device configuration and firmware update over the air.

Customer: AROBS

Technologies & Protocols: embedded C, CAN protocols

Team: 4 software engineers, 1 Project Manager