QINTEC

Company profile

Company profile

- **Company foundation**: 2007
- **Ownership**: Slovak
- **Office**: Trnava
- **ISO 9001:2009 certified**

Our strategy

- **Q**uality = excelent quality of solutions
- **IN**formation = information means leadership
- **TEC**hnology = modern and reliable technology

Portfolio

- Research & Development projects
- Industrial Automation
- SW Solutions and engineering
- Mobile systems and applications
- HW & Server Infrastructure
- Consulting Services

Customers

Volkswagen Slovakia

IAC International Automotive Components

NITRA PLASTIKA

JP

TREVES SLOVAKIA

SLOVENSKÉ ELEKTRÁRNE

TRAMICO

fives cinetic

RACOM RADIO DATA NETWORKS

Enel

Ernstprofil S.R.O.

KOLOS MEMBER OF AUSTRIAN POST GROUP

Post

LOMTEC

TRNAVSKÁ UNIVERZITA V TRNAVE SLOVENSKÁ REPUBLIKA

YMS Group

APIMED 1998

TRNAVA MALT HOUSE LYCOS 1893

COMDET Complet M. Dekoration Team

OCTAGON

Murgitanka

VÍNO LEVICE

enagro

R&D projects

- Research of monitoring and evaluation of non-standard states in the surroundings of nuclear power plants.
  - Project partner: Slovak University of Technology in Bratislava, project starts 2012, finishing 2015
  - EU structural funds for Slovak Republic
  - Published grant contracts no. 163/2012/2.2/OPVaV http://www.crz.gov.sk/index.php?ID=447633&l=en

R&D projects

- Research: Building support tools for the implementation of applied research in the field of location-based services integrated transport
  - Lead partner: YMS, a.s.
  - Goals:
    - Design and implementation of a data repository for efficient storage of heterogeneous data
    - Architecture design and implementation of Analytical framework for data processing
    - Analysis of the possibilities of existing virtualization systems and requirements analysis of the system serving for processing LIDAR'S and other data.
    - Implementation of the systems.

R&D projects

- Research: Optimization of technological process for production of precast concrete parts to achieve the required appearance and surface quality of products by washing and staining
  - Lead partner: Klartec
  - Project activities:
    - Feasibility study
    - Research of technological standards and processes
    - Datam mining and data analysis

R&D competences

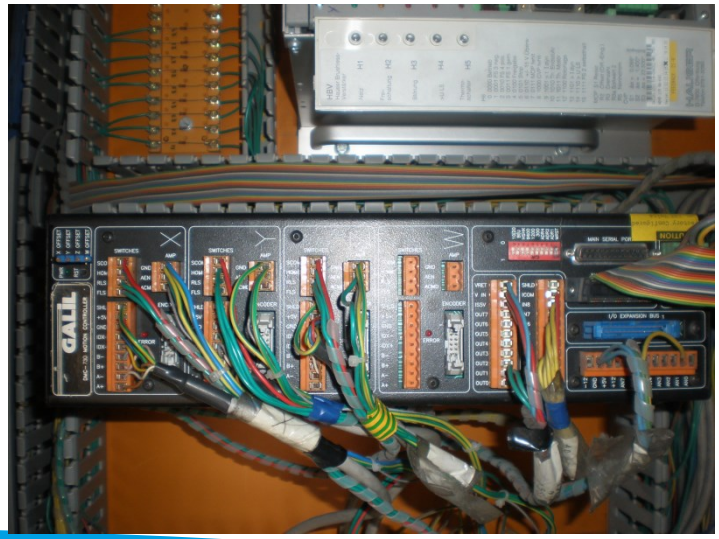
- Hardware prototyping development (sensor, motion, communication and microprocessor components, IoT),
- Industry automation (human machine interfaces, robots, manipulator devices and production lines),
- Software technologies (big data system, telemetry systems, real-time data processing systems, IoT)
- Systems administration (virtualization and clouds for Health management systems)

REALIZED PROJECTS

Production line for polystyrene contour cutting

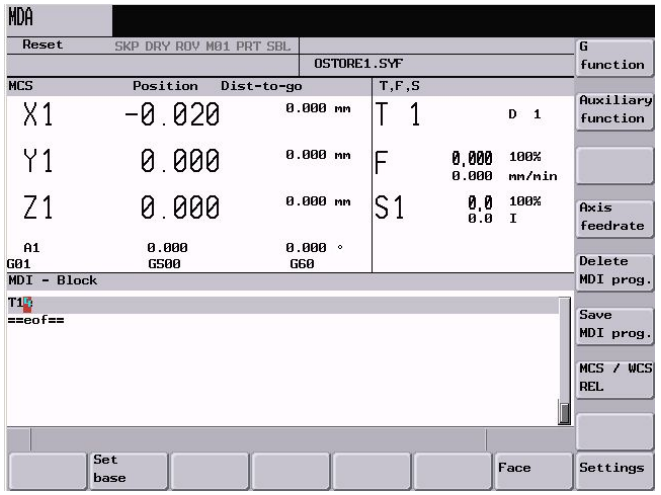
- Customer: **Plastika Nitra**
- Project name: **Production line for polystyrene contour cutting**
- Project goal: **CNC contour cutting with hot wire**
- Project activities:
  - Replacement of control system software and drives
  - Switchboard and other electrical parts
  - Documentation

Production line for polystyrene contour cutting



Production line for polystyrene contour cutting

- Siemens SINUMERIK 802D SL
- Siemens Sinamics S120
- Siemens S7-200
- Profibus, Drive Cliq, G-instructions
- SheetCAM with postprocessing (LUA language)
- Custom built AD / DA converters between control system and heating system



Production line for polystyrene straight cutting

- Customer: **Plastika Nitra**
- Project name: **Production line for polystyrene straight cutting**
- Project activities:
  - Replacement of control system software and hardware
  - Documentation
- Equipment:
  - Siemens Simatic S7-300

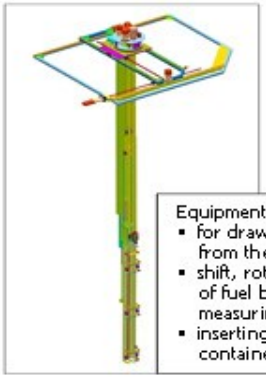
SVYP

- Customer: **VÚJE, JE EBO**
- Project name: **SVYP 440**
- Project description:
  - System for monitoring of spent nuclear fuel VVER-440 type
- Technology:
  - Simatic S7-300, WinCC, Sivarex, Profibus
  - MS SQL, Visual Basic, .NET
  - TDE Macno frequency converter, Servida drives

Inspection stand for monitoring of spent nuclear fuel SVYP-440

Upper anchorage junction ensures vertical position of bearer column of inspection stand in Shaft No. 2

Quickly demolitionable manipulation platform serves for
- assembly and manipulation activities of inspection stand servicemen
- as a travel path for equipment VPP-440



Equipment VPP serving
- for drawing-out of fuel bars from the fuel set,
- shift, rotation and toggling of fuel bars in front of measuring devices,
- inserting of fuel bars into container

Opening for collimator serving for gamma-spectrometric measuring of fuel cartridges. Detector, cryostat and container for LN2 are hidden behind the wall

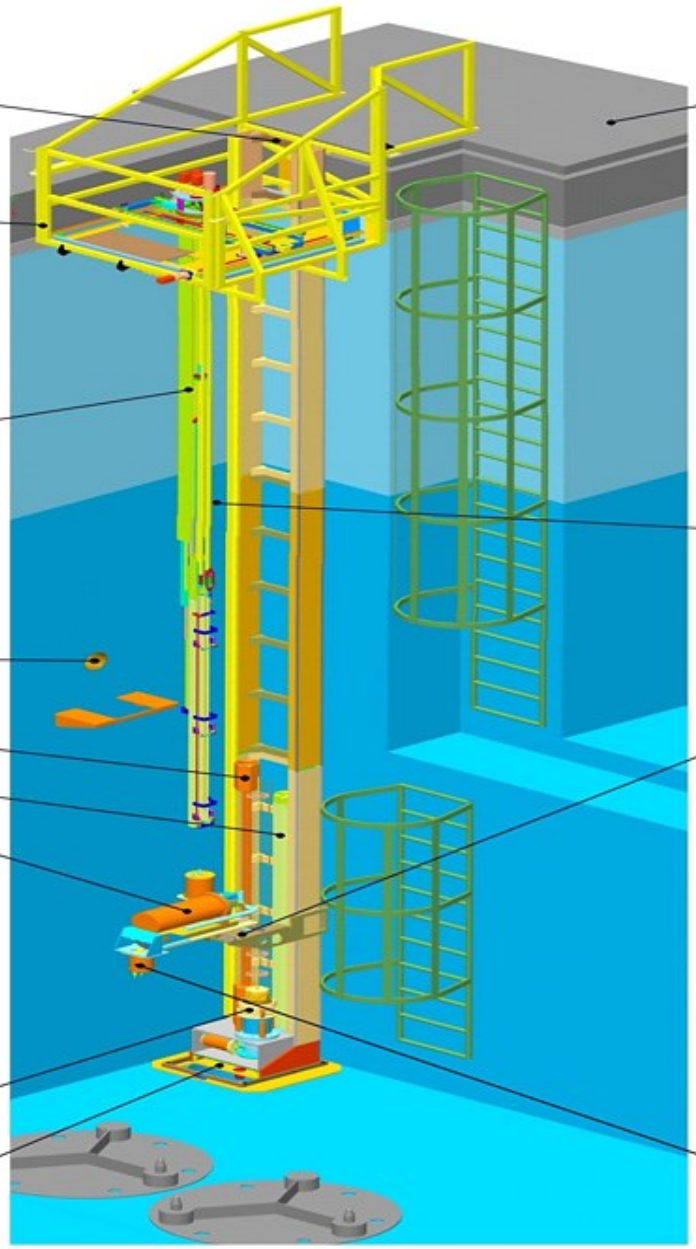
Container for fuel bars retrieved from the set

Hexagonal cover of fuel cartridge

Vertical operating cart serves for placement of the following replaceable modules of technological operations:
- Drill module for
  - drilling off the heads of screws fixing the hexagonal cover with cartridge base
  - drilling off the bottom of blinders of openings for reconnection of hexagonal cover with cartridge base
- Dolly module for reconnection of hexagonal cover with cartridge base

Waterproof embedded electrometer ensures rotation of fuel cartridge

Bottom anchorage junction ensures defined placement of inspection stand in Shaft No. 2



Floor in ISSF at elevation +7.2 m in Shaft No. 2 surroundings serves for placement of the following parts of stand:

1. control unit of inspection stand
2. feeding unit of inspection stand
3. box for TV system control
4. evaluation unit for gamma-spectrometric measurements
5. box for control of eddy current module
6. reservoir LN2 – deware vessel by firm Canberra

Etalon of fuel bar for measurement of oxide sediments

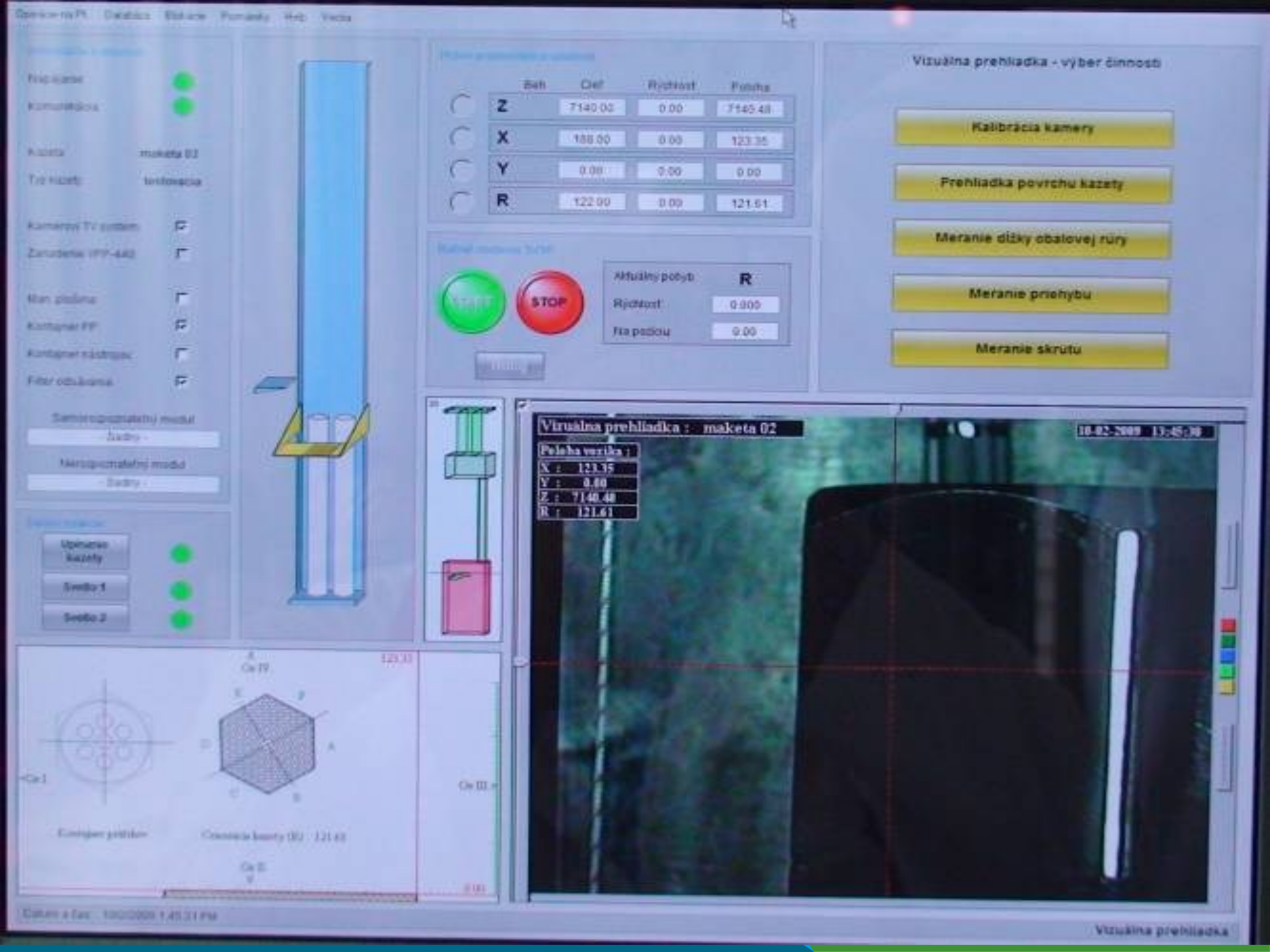
Vertical operating cart serves for placement of the following replaceable modules of inspection operations and measurements:

1. module for inspection of water in fuel rods in the set by means of ultrasound

2. module for inspection of oxide sediments and integrity of individual fuel rods by means of eddy current

3. module for inspection of burn-out of individual fuel rods by means of gamma-spectrometric measurement

4. waterproof encapsulated electric motors of vertical cars ensure motions of the bearing platform in 3 axes and rotation for modules of technological operations


Vizuálna prehliadka - výber činnosti
Kalibrácia kamery
Prehliadka povrchu kazety
Meranie dĺžky obalovej rúry
Meranie priehybu
Meranie skrutu
Os Z
Os X
Os Y
Os R
Beh
Cieľ
Rýchlosť
Poloha
Aktuálny pohyb
Rýchlosť
Na počiatok
START
STOP
Vizuálna prehliadka : maketa 02
Poloha vozíka :
X : 123.35
Y : 0.00
Z : 7140.48
R : 121.61
Vizuálna prehliadka

Production line for car seats assembling

- Customer: **Faurecia Valladolid, Vigo Spain**
- Project name: **Front seats type 3**
- Project goal: **Assembling of car seats**
- Project activities:
  - Control system software and hardware
  - Visualization
  - Conformity checking and Barcode scanning
  - Poka-Yoke, Pick To Light
  - Documentation

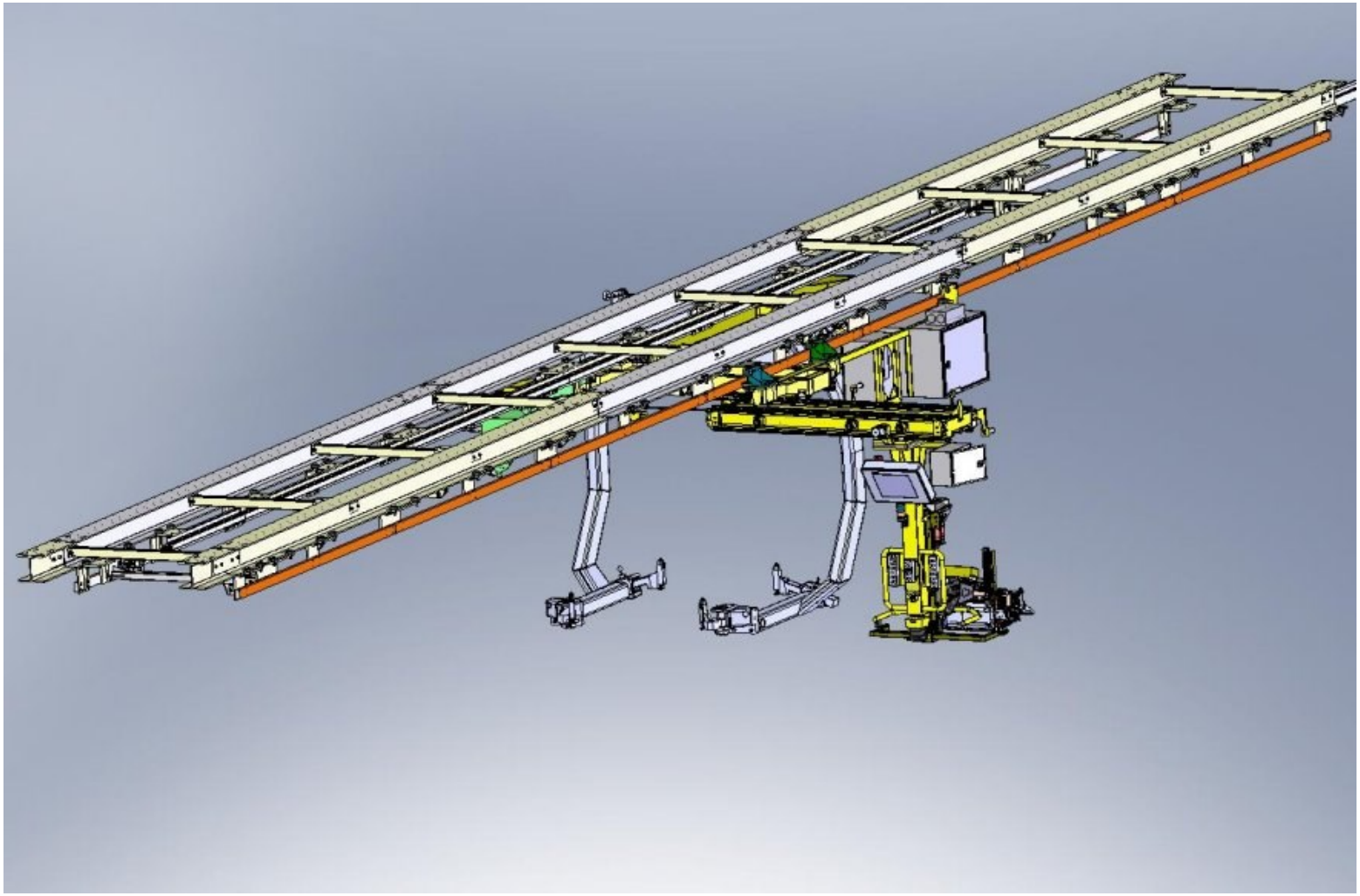
Production line for car seats assembling

- Siemens Simatic S7-300
- Siemens WinCC, ProFace
- AS-Interface
- Profibus, Profinet
- Festo
- Barcode scanner

Industrial Automation Refferences

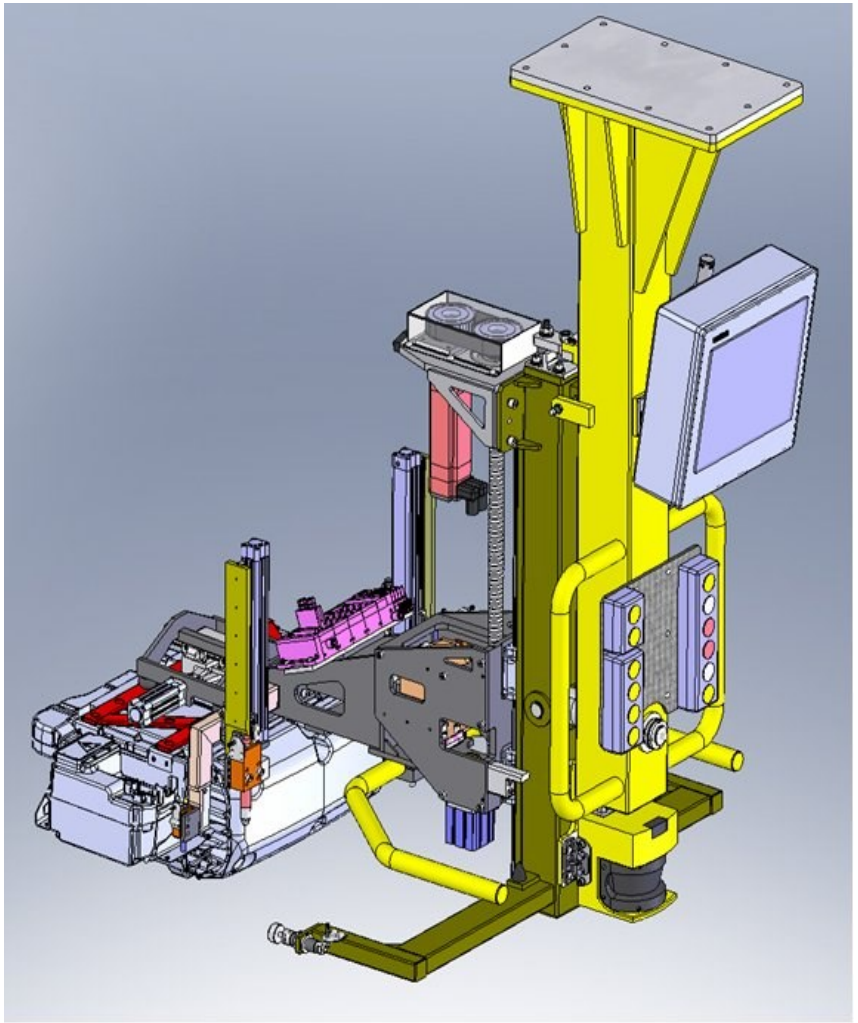
- Customer: **VW Slovakia Bratislava**
- Project name: **Hybrid batteries assembling manipulator** (integration into production line)
- Project goal: **Load hybrid battery from pallet and put it into Car (VW Touareg)**
- Project activities:
  - Control system software and hardware
  - Switchboards and other electrical parts
  - Documentation (E-plan)

Hybrid batteries assembling manipulator



Hybrid batteries assembling manipulator

- Siemens PLC S7-300
- Festo pneumatic drives
- Profinet/Profibus communication
- WinCC visualization with multi-panel MP377
- SICK scanner for automatic return motion



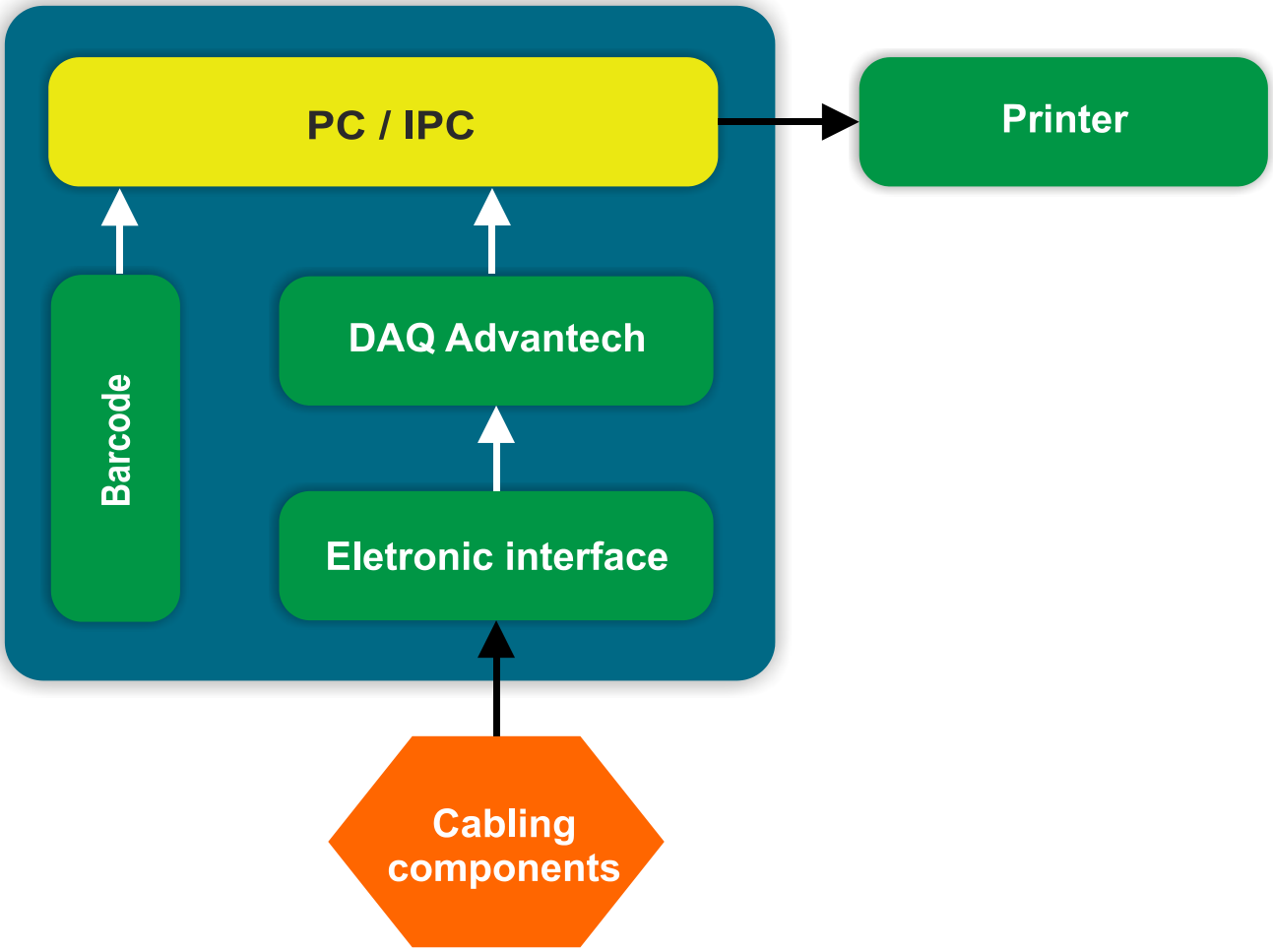
System for skid position monitoring

- Customer: **VW Slovakia Bratislava**
- Project name: **System for skid position monitoring**
- Project activities:
  - Design and development of software
  - Laser scanning
  - Visualization
  - Documentation
- Equipment:
  - Industrial PC, SICK Laser measurement scanner

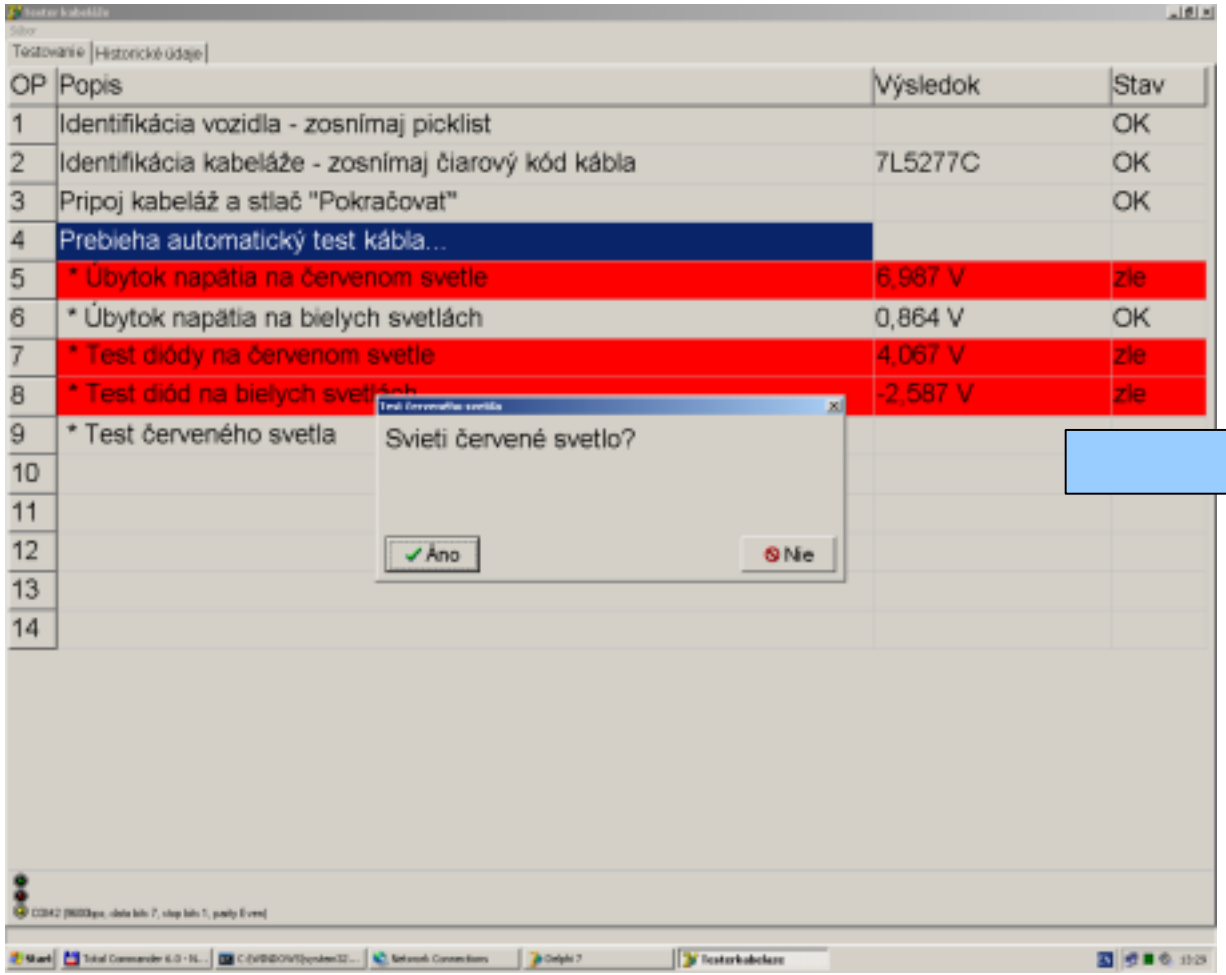
Automated system for car cabling testing

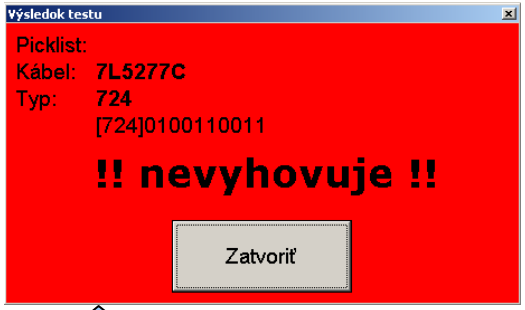
- Customer: **International Automotive Components Slovakia**
- Project name: **Automated system for car cabling testing**
- Project activities:
  - Design and development of hardware
  - Programming
  - Barcode identification
  - Visualization
  - Documentation

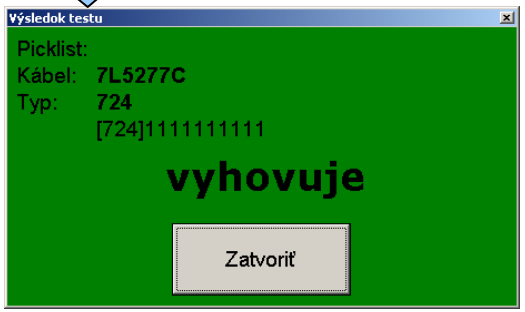
Automated system for car cabling testing



Automated system for car cabling testing







SW solutions

- Custom built software
  - Desktop (Win, Linux)
  - Intranet/Internet (WebSites, WebPortals, etc.)
  - PDA (Windows Mobile)
- Databases: Oracle, MS SQL, PostgreSQL, MySQL

SW solutions competences

- Client/Server database SW
- SW with RFID, chip cards or biometric data
- Production process monitoring SW
- Object monitoring systems (GPS, GSM/GPRS, Radio modems)
- Telemetry systems (GIS, SCADA/HMI)

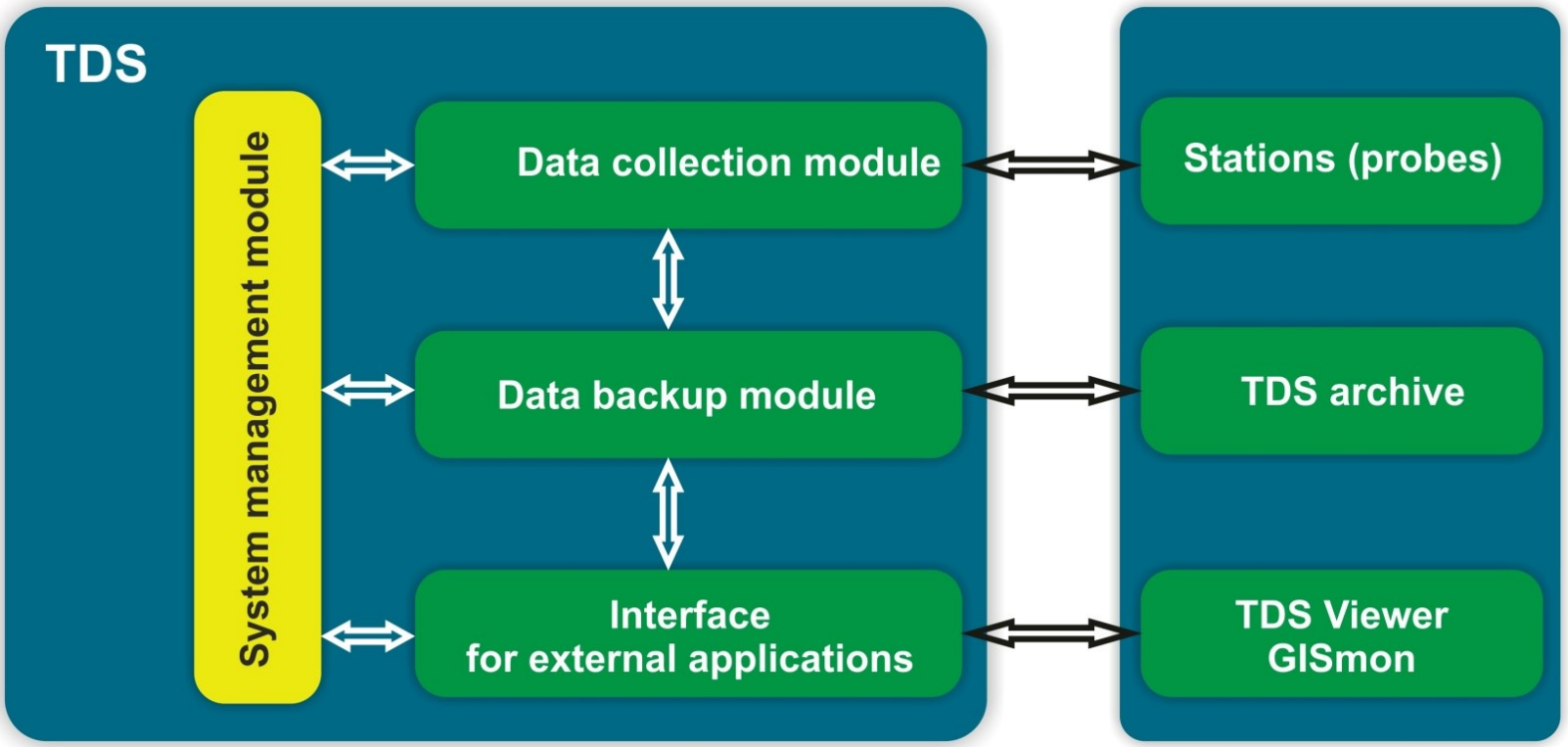
TDS - Teledosimetry system

- Customer: **Slovenské elektrárne, EBO**
- Project name: **TDS - Teledosimetry system**
- Project description:
  - System for monitoring impact of nuclear power plants
  - Measurement, collection and telemetry transfer of required values from power plant to control and data center
  - Alarm states evaluation and visualization

TDS - Teledosimetry system

- Technology:
  - PostgreSQL, C++, Linux, Delphi
  - RACOM, Advantech ADAM 4xxx
  - TCP/IP, RS-485, RS-232

TDS - Teledosimetry system

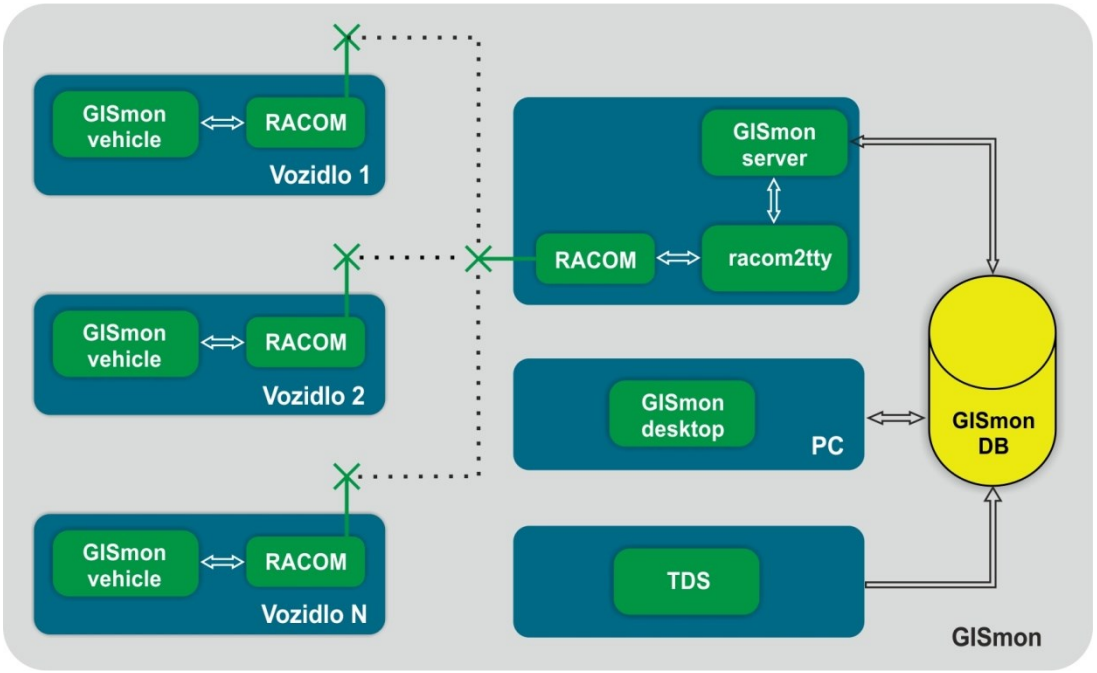


GISmon

- Customer: **Slovenské elektrárne, EBO, EMO**
- Project name: **GISmon**
- Project description:
  - mobile telemetric GIS system for measurement and transfer of data between mobile units and control centre with position visualization based on GPS
- Technology:
  - PostgreSQL, Delphi, Linux
  - RACOM MARS-A
  - GPS

GISmon


AV
GISmon 3.0 (2010-02-14)
224.0 nSv/h
5.1 nSv


GISmon vehicle
RACOM
Vozidlo 1
GISmon vehicle
RACOM
Vozidlo 2
GISmon vehicle
RACOM
Vozidlo N
GISmon server
RACOM
racom2tty
GISmon desktop
PC
TDS
GISmon DB
GISmon

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