INŽENIRING
AVTOMATIZACIJA
ZASTOPSTVA

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TELEM d.o.o.

ENGINEERING, AUTOMATION, REPRESENTATIVE

(*Established 06.04.1992*)

REFERENCES IN THE FIELD OF INFRASTRUCTURE – COMMUNICATION SOLUTIONS

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IBAN: SI56 04515-0000109633, Nova KBM d.d. Maribor
SWIFT: KBMASI2X
ID for VAT: SI93972920
Registration number: 5625831
Field of activity: 71.129 - Other engineering activities and related technical consulting
SIQ: ISO 9001:2008 Q-665 (Slovenian Institute of Quality and Metrology)
Registrations:

- *Register of design firms **in the Slovenian Chamber of engineers** (Inženirski zbornici Slovenije - IZS) with ID **0414***
- *Registered at **Slovenian Research Agency** with ID **2325**,*
- **Technology Network - Process Control Technology (TVP)**

1. INDEX

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Številka reg. vložka: 1/05754/00
pri Okrožnem sodišču v Mariboru
Osnovni kapital: 80.000,00 EUR

2. COMMUNICATION SOLUTIONS

Modern technological processes are increasingly managed by computers and computerized systems. Due to the high processing power such systems are easily linked into a whole in order to operate more efficiently and perform control over the entire system simultaneously. Communication systems provide a more user friendly experience and raise overall employee's quality of work. We offer the following solutions:

We offer the following solutions:

- **Services for informing users about the functioning of the system (short message services (SMS), data and voice call, e-mail, web access)** - the use of notification services is suitable for systems with lower data transfer, or as an additional service to inform the administrator about the status of the system. The notification is performed periodically at a predetermined period, and / or by events (e.g. alert values are exceeded). Notifications are sent to the GSM terminals, which are nowadays a part of our daily lives, or to the central control system. System's security is guaranteed by filtering the reception number of messages, precisely defined sets and / or identification with a password. If we allow the programming module to receive messages, we add a remote control system function to the system;

- **Remote control of objects (via GSM / GPRS / UMTS / HSUPA, DSL, LAN technology)** - remote control systems are utilised for connecting remote units and central control unit for the purpose of transferring technological information and alerting the system administrator. The type of remote control technology used depends on the needs, purposes, equipment at hand, distance, etc.;
- **Local Ethernet network with fast redundancy connections set up** - when designing and implementing local Ethernet networks we cooperate with leading, world-renowned equipment manufacturers such as Siemens, Hirschmann, Cisco etc.;
- **Industrial Routers** - we provide solutions via industrial routers that enable secure connection of industrial devices to the Internet with the possibility of remote access and collection of various technical data from industrial devices. Typical applications include advanced remote maintenance and access to devices, remote services, management of remote devices, notifications, measurements, M2M etc. Supported protocols are: MODBUS TCP, MODBUS RTU, SNMP, UNITELWAY, EtherNet / IP, DF1, FINS TCP, FINS Hostlink, ABLOGIX, S5-AS511, S7-300/S7- 400/S7-1200 - PPI, MPI, PROFIBUS, ISO TCP, S7-200, Hitachi EH QWave, MITSUFX, MELSEC, PSTN, ISDN, GPRS / EDGE / UMTS / HSDPA / HSUPA, LAN / WAN, ADSL 2/2 + VPN etc.

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3. REFERENCES IN THE FIELD OF INFRASTRUCTURE – COMMUNICATION SOLUTIONS

1.	Network installation – industrial Ethernet Krka Krka d.d., Jastrebarsko, Croatia (2004)
2.	Industrial Ethernet network Krka – Sinteza 4 Krka d.d., Novo Mesto, Slovenia (2006)
3.	Sewage system stations remote notification WTE GmbH, PE Kransjka Gora, Slovenia (2007-today)
4.	Ethernet backbone network – Ulitki (7 facilities) Talum d.d., Kidričevo, Slovenia (2008)
5.	Process WLAN network (3 facilities) Acroni Jesenice d.o.o., Jesenice, Slovenia (2009, 2010, 2011)
6.	Process Ethernet network (4 facilities) Ljubljanske mlekarne d.d., Ljubljana, Slovenia (2011)

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7.	Modifying remote access Envitec (Aero Celje), Celje, Slovenia (2012)
	Remote communication system for waste water pumping stations (24x) Komunala Kranjska Gora, Kranjska Gora (leto 2016)

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