

Company Profile

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History

- Triada d.o.o. was founded in 1989 by four partners who had previously worked in industry and research.



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Company Experience

- VxWorks
- embedded real time systems
- Linux
- Windows



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Tornado/WB/VxWorks Experience

- Wind River Professional Services Partner
- three engineers working with Tornado/WB/VxWorks.
- beta testers for Tornado II for 68k targets.
- BSP development
- drivers development
- applications development



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BSP Development

- MPC8260
- MPC5200
- MPC8548e
- MIPS32 24kec
- Motorola 68000
- Motorola 68307
- Motorola 68302



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Drivers Development

- END network drivers (Aironet, Varan EMAC, PCI, 3c574, i82588)
- USB host/device drivers (ISP1362, AU1100, PPC440EP, TD243, several class drivers)
- CAN drivers & integration with WindNet CAN stack (SAK82c900, PPC)
- Compact Flash integration on PowerPC
- modem drivers (73K324, RC144)
- serial protocol drivers (Z8530, PPC)
- drivers for several peripheral boards (relays, digital inputs, digital outputs, analog inputs)



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USB Development

- USB 1.1, USB 2.0 and USB 3.0
- USB host drivers
- USB device drivers
- USB class drivers
- USB drivers analysis (using Ellisys Explorer 200)
- USB performance analysis and tuning (using Ellisys Explorer 200)



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Applications Development

- application for Electronic Toll Collection on Slovenian Highways
- traffic lights control centre
- tunnel control



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Embedded Real Time Systems Experience (HW)

- small embedded controllers based on Intel 8051 processor connected in 485 network. Demonstration program and drivers for PC were developed in Modula-2, Pascal and C.
- eight channel analog input card for PC was developed with drivers for Asyst data acquisition software.



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DOS/WIN Systems Experience

- DOS
 - several serial drivers for electronic cash registers (ECR)
- Windows NT
 - driver for Intel 82588 Ethernet card
 - driver for Omron IMC card (Cash Register Peripheral Controller)



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Programming Languages

- C
- Python
- Pascal
- Modula-2
- SoftVelocity Clarion
- several assemblers



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Host Operating Systems

Currently work with

- Windows
- Linux
- FreeBSD

and used to work with

- DOS
- CP-M
- AIX
- OS-2 Warp



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Target Operating Systems

- VxWorks, eLinux
- used to work with QNX and OS-9



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Target Processors

- Motorola 68k and Coldfire
- Motorola PowerPC
- ARM
- MIPS
- Intel 86x
- Rabbit, PIC18, Z80, 6502, 8051, 6809



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Development Systems

- Tornado, WB and Eclipse for real time embedded applications
- SoftVelocity Clarion for small data base applications
- Oracle and MS SQL for large data base applications



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Project Practice

- Visual Slick Editor
- Eclipse
- CVS revision control system



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Major Customers

- Wind River GmbH
- Wind River Systems International, Inc.
- Society for Slovenian Highways (subcontractor to Iskra Sistemi / Asist / Traffic Design consortium for Electronic Toll Collection project)
- Iskra Sistemi / Asist
(subcontractor for Traffic Management and Tunnels Management project)

