

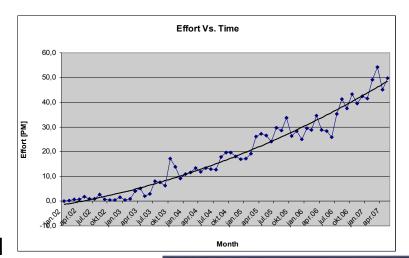
Cosylab – A Provider of Control Systems, Specialized in Large Physics Facilities

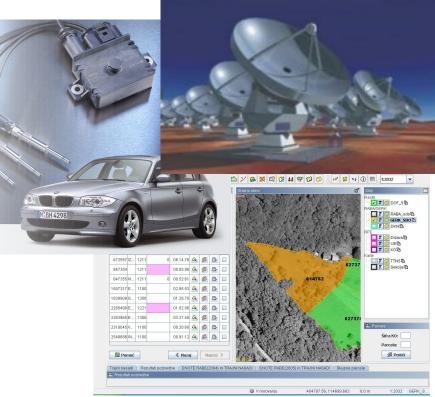
Anže Žagar anze.zagar@cosylab.com



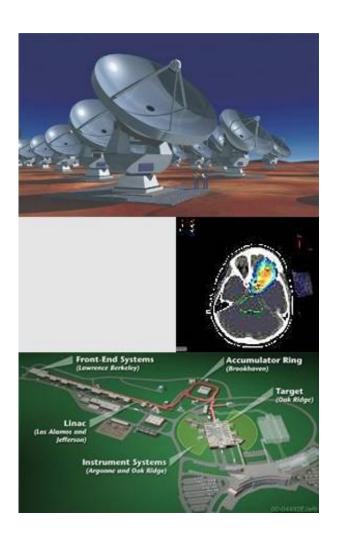
The Company Cosylab

- Stable growth from 2 employees in 2001 to 55 employees in 2007
- 50+ customers on 4 continents: top world laboratories, governments and industry
- Worldwide leader in the field of control systems for nuclear accelerators and radio telescopes
- Develops and commercializes products with highly demanding electronics and software, such as:
 - control systems
 - geographical information systems
 - business intelligence solutions
 - solutions for telecommunications
 - advanced automotive electronics





World Leader for Nuclear Accelerator and Radio Telescope Control Systems



ALMA (900 M €)

- World's largest array of radio telescopes (50-64 antennas, each 12m in diameter)
- Located in Atacama desert of the Chilean Andes at 5000m altitude
- Joint project of EU, USA and Japan
- We developed the core of the control system

MedAustron (130 M €)

Heals brain tumor

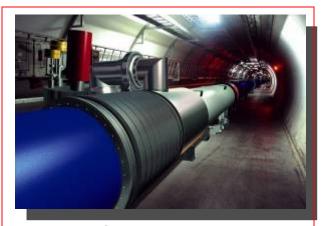
SNS (1300 M US\$)

- World's strongest neutron source, located in Oak Ridge, Tennessee, USA
- A partnership of 6 U.S. national institutes

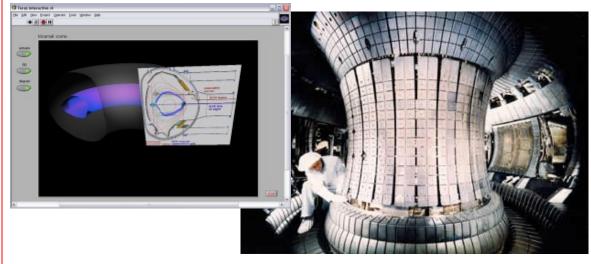
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Cosylab Cooperates on 7 of 10 World's Largest International Scientific Projects

- ALMA, SNS, FAIR, LHC, ILC, ITER, XFEL
- What is missing? International Space Station (HFS), James Webb Space Telescope (JWST), Mars Exploration?

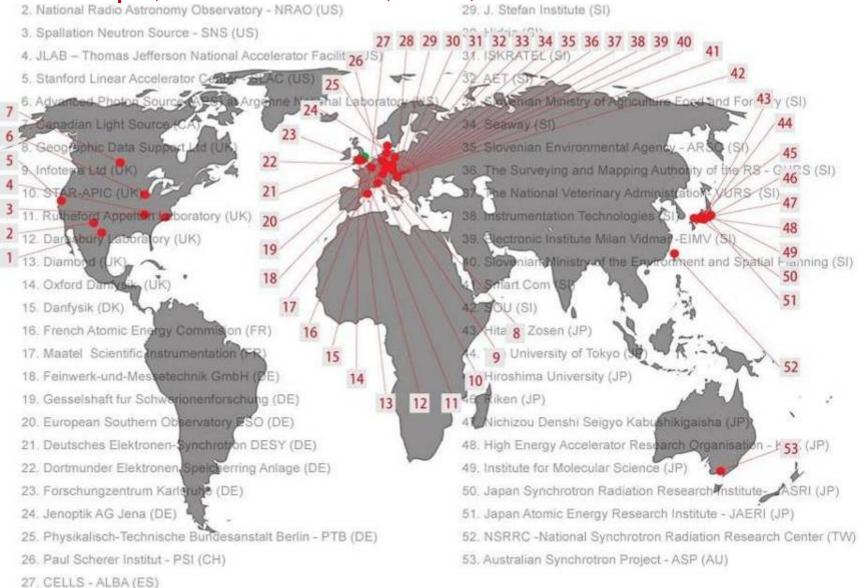


CERN Large
Hadron Collider
"the most powerful
instrument on earth"



"one of the most challenging and innovative scientific projects in the world today"

Costumers From All Over the World: Europe, North America, Asia, Australia



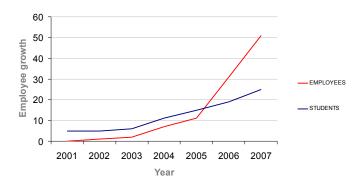
Students???



Yes, Students – Professionals

How it all started?

- 1996-2001: 1 PhD and 6 students
- 2001: students need employment, Cosylab was founded as a "spin off" from the Josef Stefan Institute



Proper business plan: globally, there was a niche market

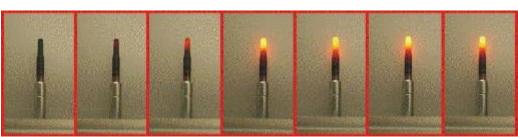
Talented high school and university students are still joining

- 2008: 40 full-time employees, mostly started as students
- Over 30 students, who are currently gaining experiences on serious projects
- We provide creative environment and unlimited opportunities
 - Work abroad at top laboratories in the world
 - Attendances of international conferences
 - CosyAcademy: internal specialized education courses

We compete with Silicon Valley!

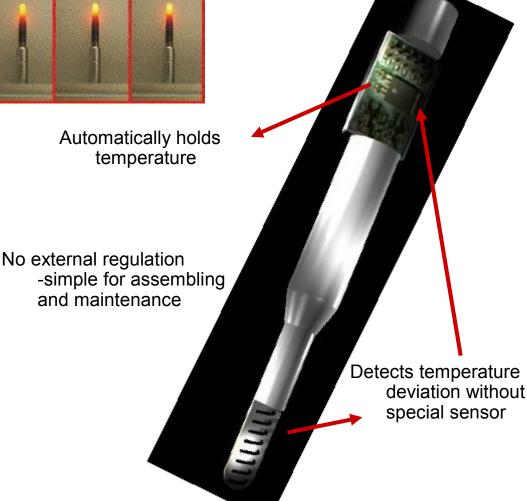
- We are no worse than Americans
- European schools and technical Universities are competitive
- We succeeded with perspective students, just like you!

Patents on Diesel Glow Plug With Integrated Electronics and Temperature Regulation



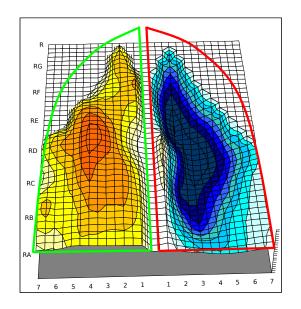


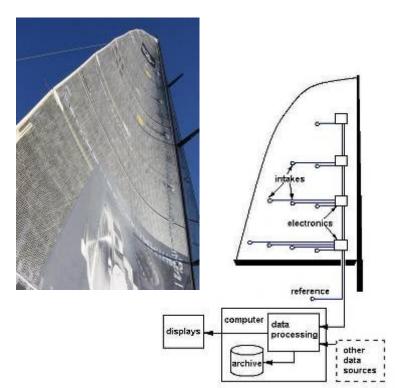
Potential: Only in Europe, 7 million vehicles with diesel engine are produced each year



CosySail – For Regatta Yachts From Olympic Classes to America's Cup

- Computer controlled sail optimizer
 - A network of sensitive pressure sensors on both sides of the sail
 - Electronics for telemetry
 - Shows pressure profile over the entire sail in real-time
 - Stores data for later mathematical analysis

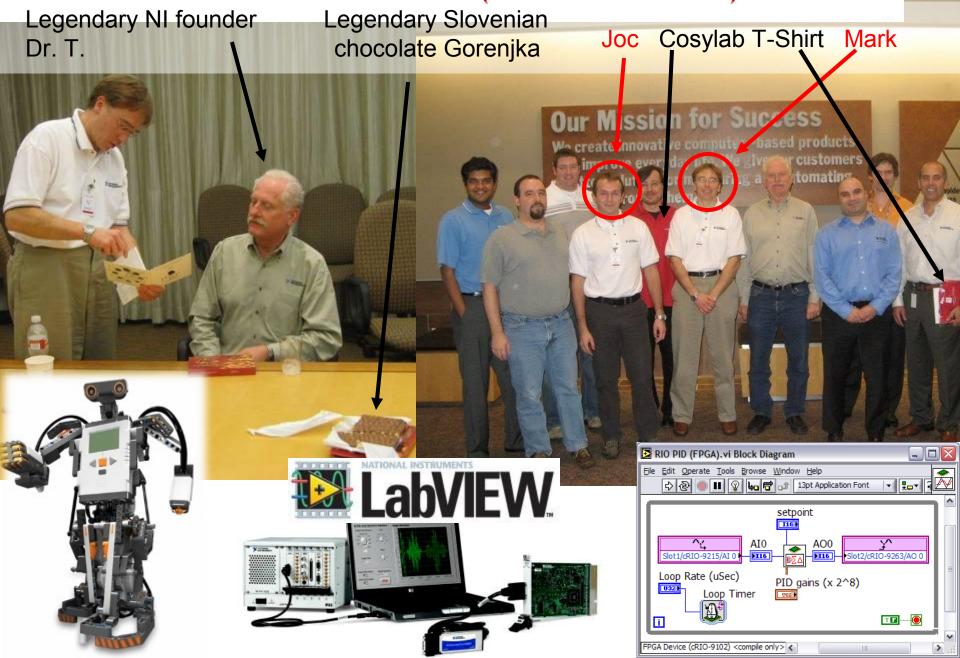






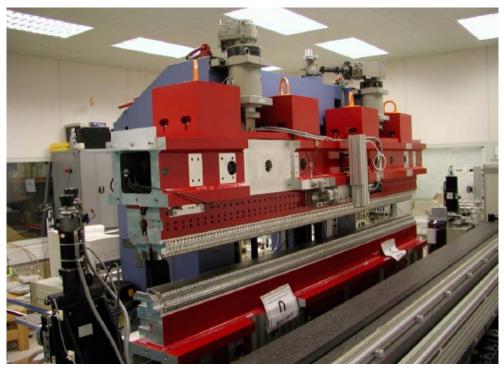


Invited to National Instruments (Microsoft for CS)



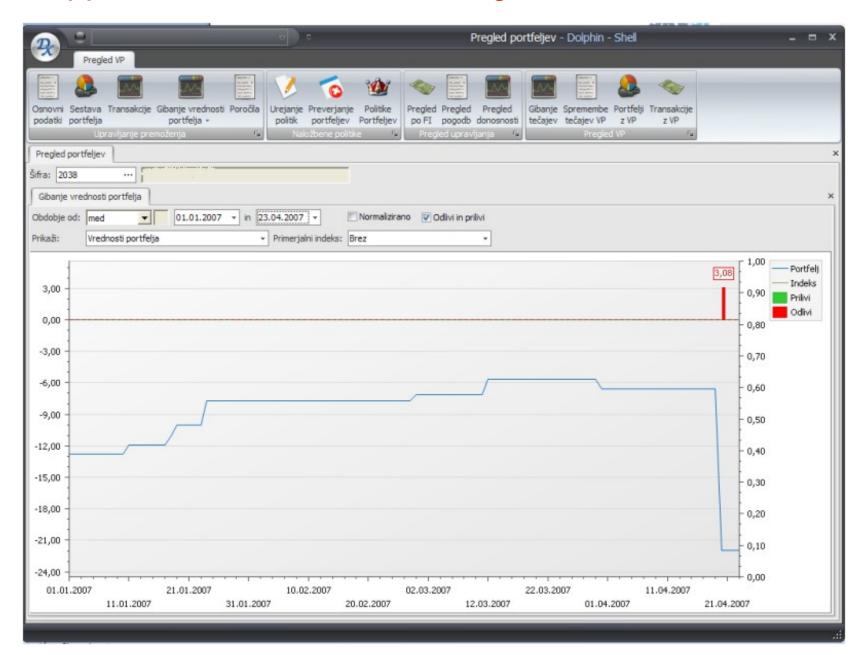
Joint Venture With Sincrotrone Trieste (Italy)

 Kyma, a company to produce undulators for synchrotron radiation light sources (FELs and electron storage rings)



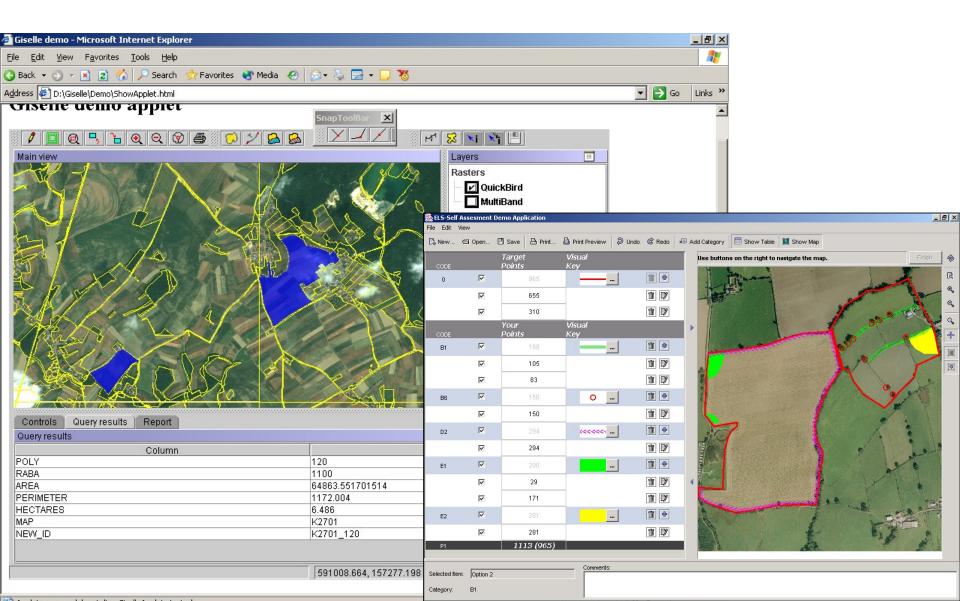
- Public-private partnership, Technology transfer, Cross-border cooperation
- We master not only both the research and business cultures, we know also to join them effectively and get them to cooperate

Applications for Stock Brokerages

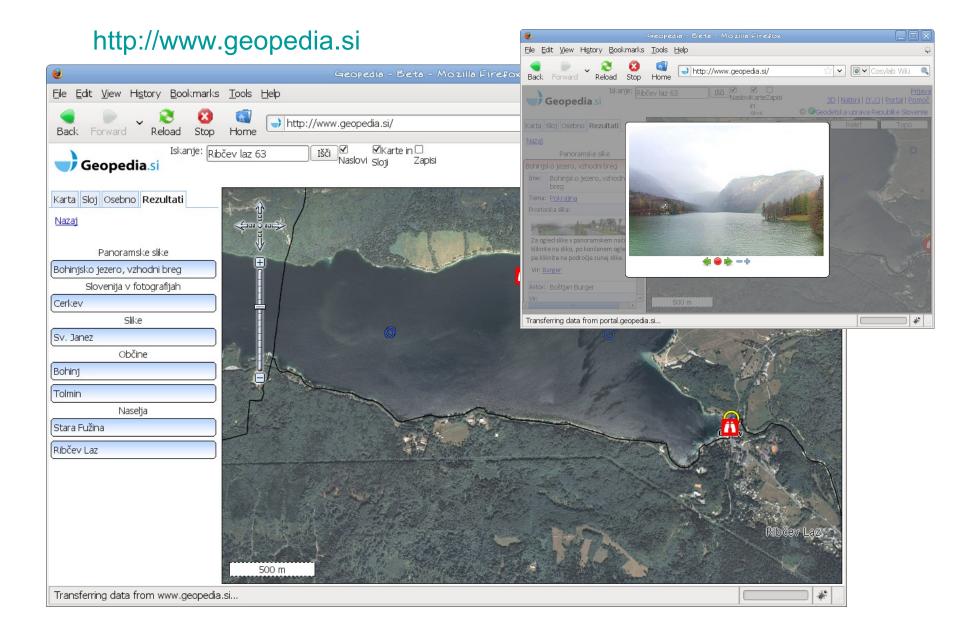


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Geographic Information Systems (GIS)-



Geographic Information Systems (GIS)-



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What Do We Have to Offer?

In no particular order:

- free courses
- remote work (from home or university)
- help from experienced mentors
- daily fresh fruit
- laptop
- work abroad (Germany, Switzerland, USA, ...)
- stimulative payment
- interesting and versatile work, full of challenges from all kinds of fields (computer science, physics, mathematics)
- inter-divisional work (control systems/GIS/stock applications/...)
- location close to faculties of mathematics, physics, computer science and electrical engineering of University in Ljubljana
- option to complete compulsory training required by some studies
- opportunity to get a status of young researcher in industry for postgraduate studies
- employment opportunity
- **-** ...

Invitation -

- Are you looking for part-time student work, a full-time job or maybe just a summer internship? Would you like to join our team?
- Yes? You are invited to send us:
 - A brief biography
 - Your availability over the summer or any other time of the year
 - Your interests (accelerators, GIS, stock brokerage applications)
 - Are you interested to do a short course in Java and/or EPICS control system?
 - Are you interested in summer internship at DESY institute in Germany next year (about August)?

over e-mail: marjana.frantar@cosylab.com