

The Control Systems Integrator

COSYLAB

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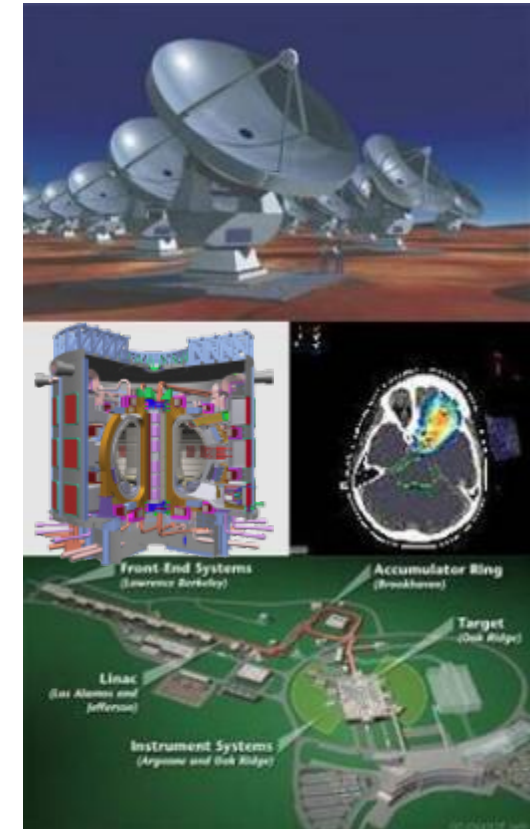
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The Company Cosylab

- ❑ **Worldwide leader** for control system integration of nuclear accelerators and large physics facilities, **chosen by the majority of projects**
- We offer services and develop products where **expert knowledge** is required.
- We know how to use and develop **state-of-the-art electronics and software**.
- We **integrate** them into mankind's most complex systems.



1.2 Time

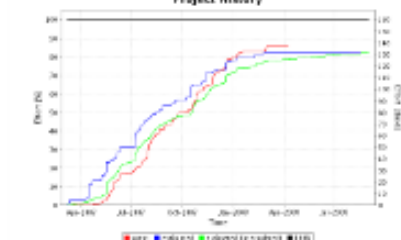
Characteristics

Project size: 80,000 net - 10,000 net - 1,000 net
 Time spent: 1M USD net - 25.5M net - 4.8M net (80%)
 Throughput: 10000/10000

100%

Projected time to finish: 1.5M net - 1.27 net

Project History

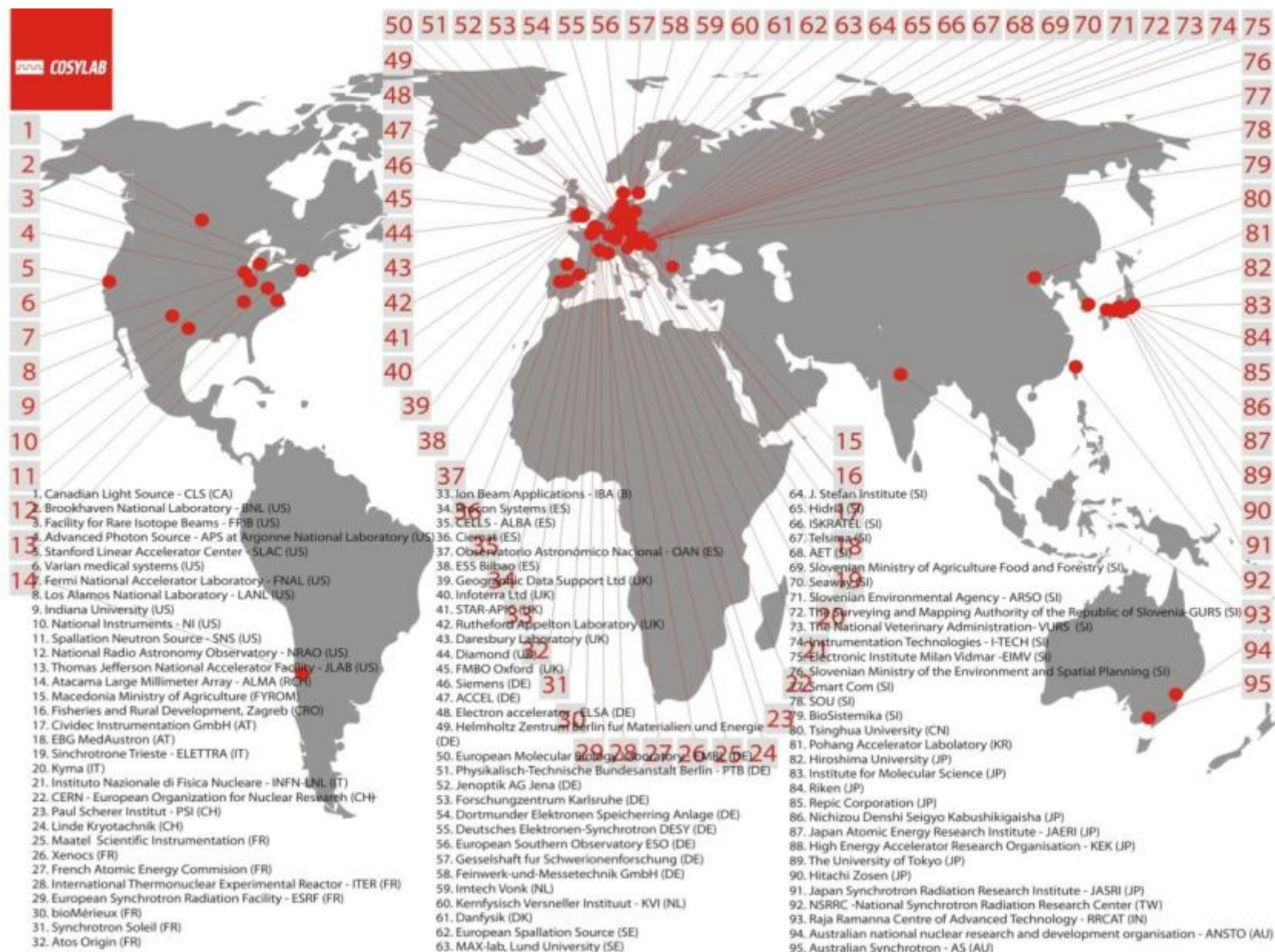


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Customers From Nearly All Major Labs Worldwide

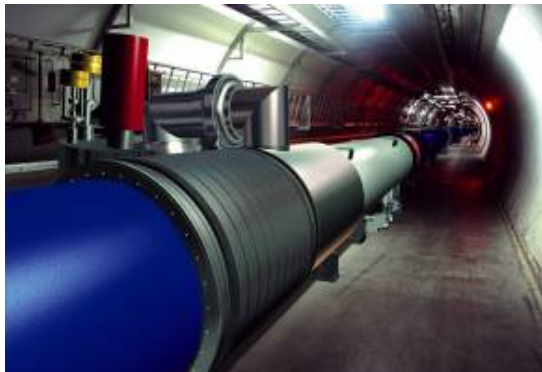
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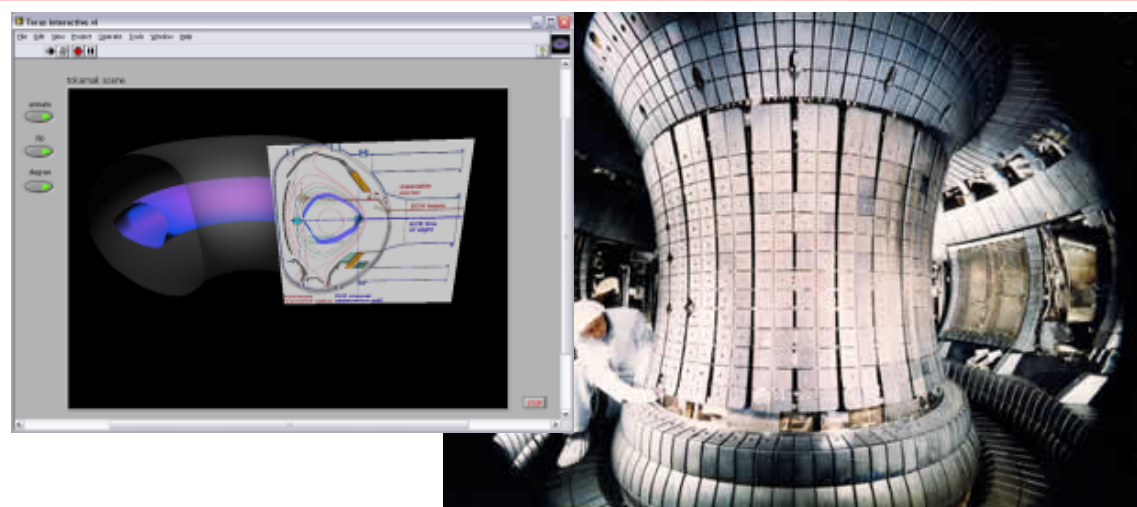
We Participate at 6 of the 10 Largest Big Physics International Projects



- ☐ Radiotelescope: ALMA (Munich, Atacama Desert)
- ☐ Neutron source: SNS (Oak Ridge), ESS (Lund)
- ☐ Nuclear physics: FAIR (Darmstadt), LHC (CERN)
- ☐ Fusion: ITER (Cadarache)



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



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

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Who are we?

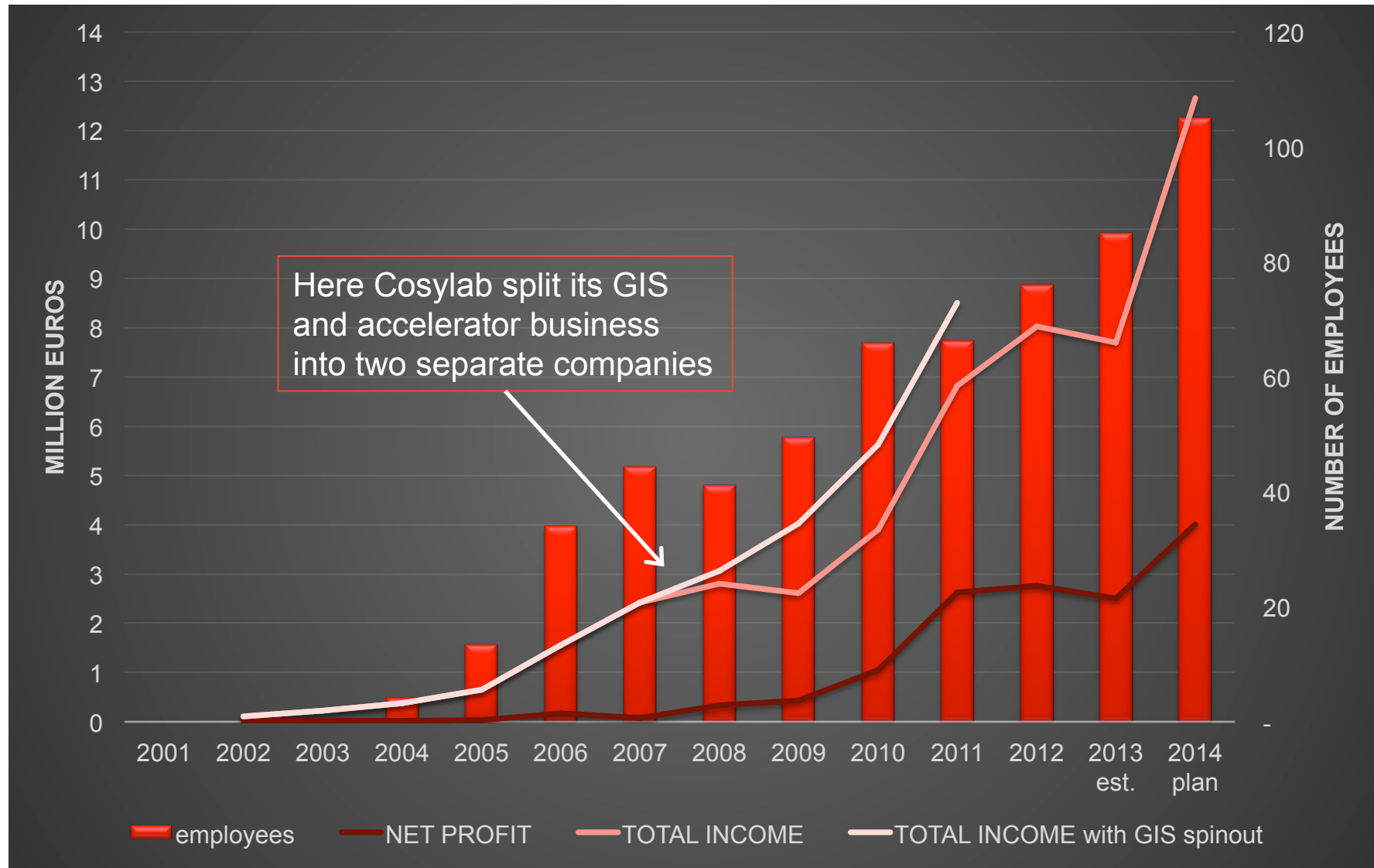


- ❑ 85 employees
 - 70 „production“ FTEs effectively
 - additional ~30 students in the pipeline
- ❑ Branches in Sweden, the USA, Japan and China



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Sustained Growth



Kyma: a Company to produce Undulators



- ❑ Joint Venture between Cosylab and Sincrotrone Trieste (Italy)
- ❑ production of undulators for FELs and electron storage rings
- ❑ complete solution with CS integration
- ❑ Example customers: FERMI@Elettra, Canadian Light Source, BNL, ...



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Kontrolni Sistemi d.o.o.

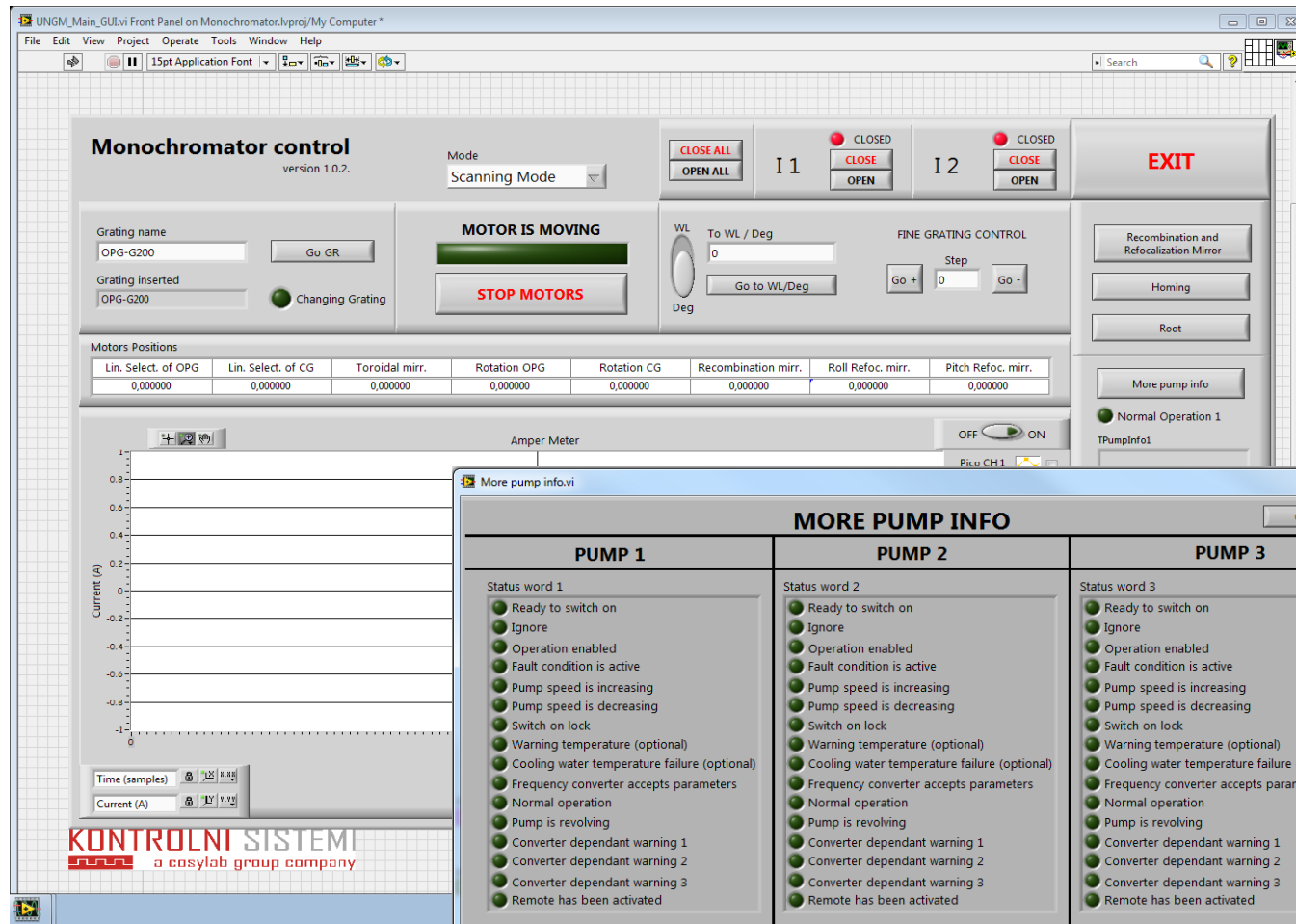


- Cosylab group company
- Business innovation centre @ Sežana
- stronger local presence
 - close collaboration with Elettra and University of Nova Gorica
- Project partner of SLO-ITA CITIUS project
 - responsible for control system device integration

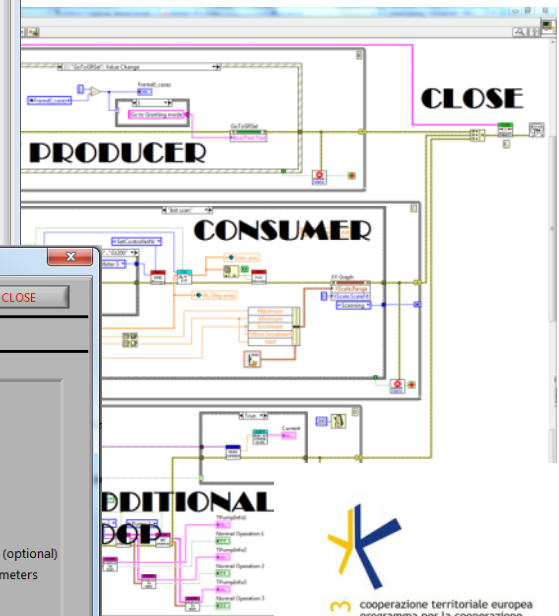


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Example of CITIUS control system



Pocket Desktop, 2 axes application



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Letrika Sol d.o.o.

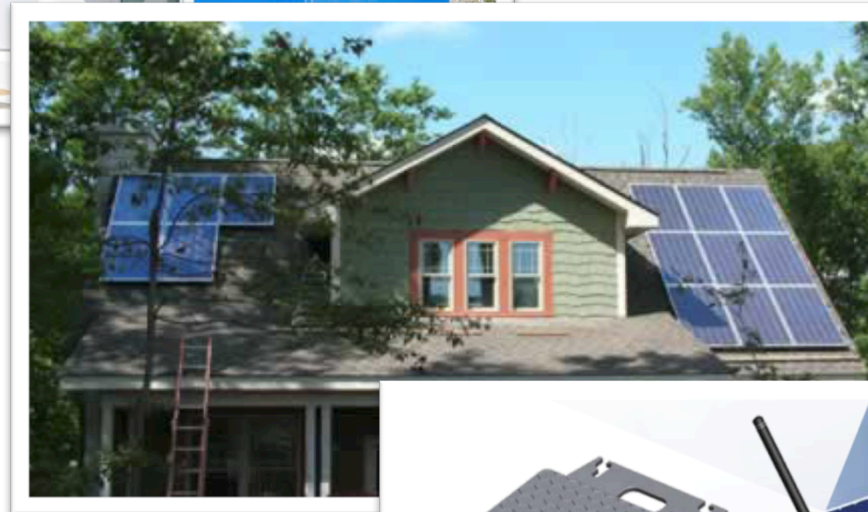
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Micro Inverters for Solar Plants

□ Joint venture Letrika and Cosylab



□ 1 DC-AC
convertor
per panel



□ Central RF Communication
Gateway

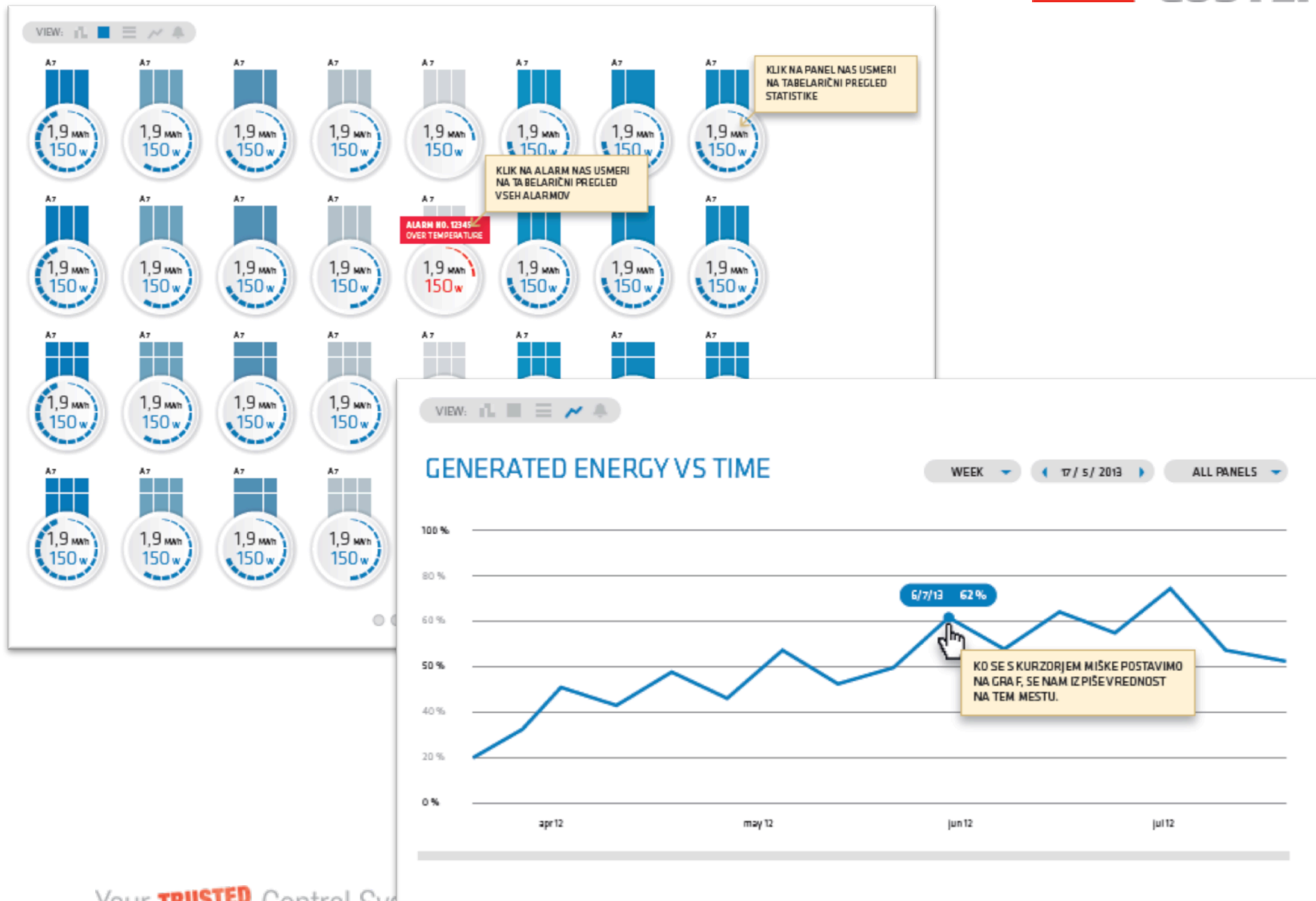


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Letrika Sol Micro Inverter App

Screenshots

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THANK YOU!

Frank Amand

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Web: www.cosylab.com

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