

Professional Services

Cosylab Engineering Partnership



Tell Us Your Technology Challenge and We Will Help You Solve It

In the fast-paced High-Tech industry many development steps have to harmonize in order to ensure successful prototyping, faster technology development and rolling out new solutions to the market. Cosylab is familiar with the high demands for **skills and expertise needed to solve the most complex technical challenges** associated with making breakthrough ideas a reality in strictly regulated environments. If your organization lacks in-house resources or experience to develop a highly-complex software solution, take advantage of our extensive experience assisting the world's largest scientific projects to develop innovative software solutions for medical systems suppliers and advanced industrial applications.*

Our **engineers, full-stack developers, and physicists** understand the physical operational principles of highly complex devices and master the software and hardware engineering of large-scale distributed control systems at the same time.

Partnering with your organization, we'll help you **reduce potential development delays, reduce risks associated with hiring for peak workloads and enhance the performance of your system.**

Our Competencies

- Software Engineering
- Large Scale Distributed Systems
- Distributed Real-Time Control Systems
- Electronics Design and Embedded Systems Engineering
- System Integration

How We Can Help You?

- **System Design:** defining the architecture, modules, interfaces, and data for a system to satisfy specified requirements
- **Project Management:** to ensure on-time and within budget delivery
- **Software & Hardware Development:** state-of-the-art architecture design, engineering, and testing
- **Risk Management:** identification, impact evaluation, and mitigation of risks
- **System Engineering:** capturing and managing complex requirements to develop a tailor-made plan

Key Benefits for You

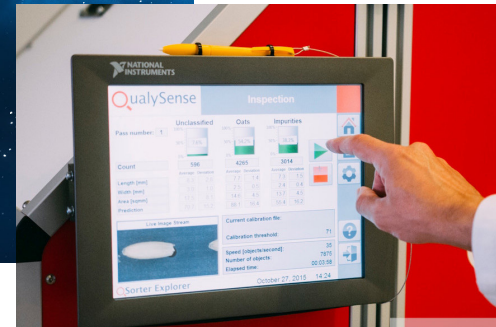
- Shorten your Time-to-Market
- Reduce your overall development investment
- Eliminate or mitigate development and technological risks
- Access a significant pool of expert knowledge familiar with both your current and target software and hardware solutions
- Leverage Cosylab's extensive experience developing successful control system engineering for most complex systems of mankind
- Full training & knowledge transfer for your staff to support the engineering & ongoing maintenance of your system

*Our customers include CERN, PSI, Stanford University, Harvard University, and large-scale international projects in astronomy, fusion and particle accelerators, like ALMA, CTA, E-ELT, ITER, ELI, ESS, E-XFEL, FAIR, and many others.

CUSTOMER CASE

QualySense, Switzerland

QualySense develops high-end solutions for a safe and sustainable food supply by pioneering single-kernel analysis. Cosylab provided the expertise to help define requirements and build an advanced real-time control system to achieve unmatched sorting precision for grains, seeds, beans, and other commodities. The solution Cosylab has built and integrated consists of both the control for the machine (based on Beckhoff components) as well as a high performance and high throughput industrial grade data processing system that includes machine vision and platform for use case specific classification algorithms. Thanks to synergies between both companies, the client was able to significantly reduce the lead time for the prototype and increase the effectiveness of their analytical sorting platform.



For more information please contact your local Cosylab office:

Switzerland

PARK INNOVAARE
Villigen PSI West
5234 Villigen PSI, Switzerland
switzerland@cosylab.com

Sweden

c/o Visma Services AB
Box 34212
10026 Stockholm
sweden@cosylab.com

USA

1530 Page Mill Road
Palo Alto / CA 94304 USA
usa@cosylab.com

China

Rm C19, A1 North Building
#218 St. XingHu, SIP
Suzhou, China
china@cosylab.com

Japan

Miyagi Restoration Park, F21 Bld.
Sakuragi 3-4-1, Tagajo-shi
Miyagi, 985-8589
japan@cosylab.com

South Korea

Green Building 201
4-2, 60, Daei-ro, Nam-gu Pohang-si
Gyeongsangbuk-do
korea@cosylab.com

HQ Slovenia

Gerbičeva ulica 64
Ljubljana, Slovenia
info@cosylab.com

Founded in 2001, Cosylab provides and integrates state-of-the-art software and electronics for the world's most complex, precise and advanced systems, to enable research organizations to discover scientific breakthroughs, hospitals to deliver better cancer treatment and organizations to improve their performance. The company employs physicists and engineers that understand the physical operational principles of highly complex devices and master the software and hardware engineering of large-scale distributed control systems at the same time. Headquartered in Slovenia, Cosylab has a strong international presence and has worked on hundreds of multi-year and multi-people projects all over the world.

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ISO 9001 Q-874
ISO 13485 M-046

