Professional Services

Cosylab WinCC OA Solutions

Delivering Excellence

Cosylab is a global technology company that builds and integrates state-of-the-art software and electronics for the world's most complex, precise and advanced systems.

Advanced WinCC OA Skills and Knowledge

Cosylab combines over 15 years of experience in **large distributed systems** that has been earned on **safety-critical** projects with **demanding requirements** for **sub-nanosecond timing instrumentation**, **alarms, archiving, system automatization, system autonomy** and **operating usability.**

We have successfully delivered projects of the highest complexity in **WinCC OA** technology, among them, control systems for particle accelerators for **research applications** and **particle therapy** facilities for **cancer treatment**, and a variety of **robust, industrial applications**.

Cosylab complements a **wide set of engineering skills** with experience from the **complete vertical stack** from controlling low-level hardware devices, through the communication middle layer to the UX of a human-machine interface. **We support your business process** with **modular** and **scalable WinCC OA solutions** that take into account your high-level system requirements and architecture.

Operational and Process Excellence

We understand the business value of your application. To fully support you with a **bug-free environment** and **ensure the highest possible uptime of your facility**, our development processes are aligned with international standards:

- Quality management: **ISO 9001:2008** and **ISO 13485:2016**

- Software development: **IEC 62304:2006+A1:2015**

- Risk management: **ISO 14971:2012**

Team

With a large team of 15 WinCC OA experts we cover all project roles; from **project management** to **analysis** and **implementation**.

Team members are officially certified in WinCC OA technology by actively participating in the official certification program.

We keep the team scalable according to your requirements in an **efficient** and **repeatable way,** through the **Cosylab internal WinCC OA training program**. Cosylab engineers are well equipped to transfer the knowledge to you through **Cosylab technical consulting services.**

Solutions, tailored to your needs

Cosylab can help you make important design decisions and you can consult with us during the development process, starting from the idea through to the analysis and system design to the implementation and successful deployment of the application. Once the application is running, we provide you with support and updates to keep the system up-to-date with your needs.

Innovation & Reliability

Cosylab is a **uniquely positioned software engineering and integration specialist** that brings to you a unique value proposition: we combine the knowledge about **cutting-edge systems and technologies** of the world's most complex research projects with the **robustness of industrial applications.**

For meeting the needs of your specific solutions, the extensibility of WinCC OA allows us to develop **custom communication protocols**, solutions that **speed up the integration process** and **reduce your time to market.**

COSYLAB

OUR REFERENCES

Hefei CAS Ion Medical and Technical Devices, China

HFCIM SC200 is a cyclotron-based proton therapy facility with multiple treatment rooms. It is controlled with the Cosylab Accelerator Control System (C-ACS) product suite that uses WinCC OA for SCADA. The C-ACS suite allows complete control of the accelerator facility and execution of automated control procedures through a generic WinCC OA human-machine interface. This significantly lowers the time to market.

Integration of a Gas Terminal

Cosylab is integrating a gas terminal in cooperation with a customer from the Oil & Gas Industry. The system consists of multiple facilities that are controlled remotely from a control center. Together the facilities act as a distributed system. The system has strict reliability requirements and has to remain operational in the case of any natural disasters.
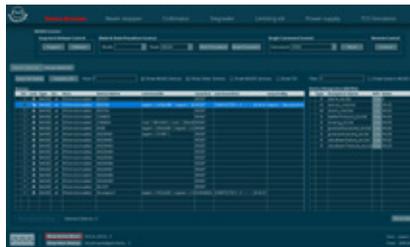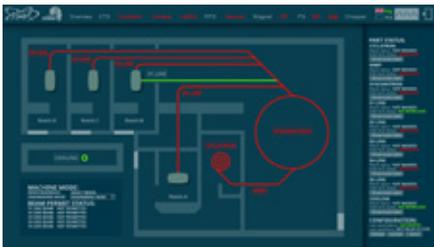
Example Cosylab WinCC OA GUIs

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Cosylab has 17 years of experience in providing and integrating state-of-the-art software and electronics for the world's most complex, precise and advanced systems. We help enable research organizations to make scientific breakthroughs, help hospitals to deliver better cancer treatment and help organizations to improve their performance. Cosylab employs physicists and engineers that understand the physical operational principles of highly complex devices and have mastered the software and hardware engineering of large-scale distributed control systems at the same time. With offices in Slovenia, China, Japan, USA, Sweden and Switzerland we have a strong international presence and we have worked on hundreds of multi-year and multi-people projects all over the world.