

Evgenii Goloborodko

Control Automation Engineer



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EDUCATION

MS in Control Automation
Process and Electric drives
ULSTU, Russia
2008–2013

SKILLS

- PLC Programming
Allen Bradley, Siemens,
Safety PLC, IEC 61131
- SCADA, HMI
Ignition, WinCC,
FactoryTalk, Citect,
Wonderware
- Industrial protocols:
IEC 61850, OPC UA, DNP3,
Modbus, Serial, Fieldbus,
EtherNet/IP, ProfiNet
- EPICS core
- Python, C, C++, SQL,
GIT, Linux
- Documentation and validation
GAMP5
- AutoCAD Electrical
- VFD & Servo Drives
- Troubleshooting —
System Debugging,
Electrical Diagnostics,
Field Commissioning

SUMMARY

Hands-on Control Automation Engineer with 10 years of international experience across power generation, pharmaceutical manufacturing, and high-tech industrial systems. Strong background in PLC programming, HMI/SCADA development, system integration, and commissioning of complex machinery. Extensive field experience with troubleshooting, hardware-software interaction, and real-time control systems.

PROFESSIONAL EXPERIENCE

PROJECT ENGINEER

Data Site, USA/Israel, MAR 2024 - PRESENT

- Design large scale monitoring systems for Data Center BMS, network design, equipment selection, and detailed schematics.
- Coordinate project timelines, technical deliverables, and installation milestones, ensuring alignment with client requirements, technical standards, and Data Center operational policies.
- Participate in commissioning activities, including inspection, functional testing, and validation. Troubleshoot and resolve system issues during integration, provide ongoing technical support.
- Developed Python-based automated engineering tools to streamline SCADA object generation, tag databases, and alarm configuration, enhancing scalability and reducing human error.

CONTROL AUTOMATION ENGINEER

Ormat Technologies, USA/Israel, AUG 2019 - OCT 2022

- Designed and programmed automation systems for geothermal power plants, including control software, hardware architecture, electrical drawings, simulation, and on-site commissioning.
- Played a key role in code standardization. Create modular, scalable, well-described PLC code structures aligned with process engineering requirements.
- Recreated SCADA visualization principles according to modern standards for efficient operations.
- Worked in close cooperation with R&D, mechanical, and electrical departments to design prototypes for unique technological processes with a focus on future scalable implementation.

SKILLS

- Precision and accuracy
- Problem-solving oriented
- Analytical Thinking
- Collaborative and Independent skills
- Time Management

CONTROL AUTOMATION ENGINEER Smart-Logic, Israel, AUG 2017 – AUG 2019

- Designed and implemented control automation solutions for complex industrial systems, including PLC programming, HMI/SCADA development, and industrial network architecture.
- Conducted full project lifecycle: system design, software development, hardware configuration, field commissioning, and ongoing technical support
- Collaborated with multidisciplinary teams (mechanical, electrical, process engineers) to align control system functionality with equipment performance and operational requirements

COURSES

2025 – in progress

Fundamentals of particle accelerator technology |
Online course (Lund University)

JUL 2024

Ignition SCADA Courses
Online

DEC 2023

CS50p | Harvard Introduction to Programming with Python

OCT 2014

Sinamics S120 |

Siemens Service and commissioning

KEY PROJECTS ISRAEL AEROSPACE – HYPERSONIC WINDTUNNEL

- Reverse-engineered legacy systems, implemented new hardware and network architecture, integrated precision positioning and heating subsystems, designed distributed SCADA, delivered robust control software.

ELECTRICITY COMPANY OF GHANA – 7 ELECTRICAL SUBSTATIONS AND OPERATION CENTER

- Develop Ignition SCADA system from scratch for 7 electrical substations and commissioning on the field in cooperation with Electrical Engineer and Protection Relay Engineer.
- Organize optic-fiber networks for IEC 61850 protocol to collect data
- Design centralized operational center, include videowall, multiple local and remote sites linked together to a central Gateway
- Deployed a comprehensive technology stack: RTU, IEC 61850, Modbus TCP, Serial communication, OPC UA, NTP/GPS – time synchronization, VPN networks, real-time trends, dynamic reporting, and distributed databases.

RAFA PHARMACEUTICAL – BLISTER PACKAGE LINE

- Modernization of high-speed blister packaging equipment through reverse engineering of existed control systems
- Designed and programmed real-time PLC control logic and intuitive HMI interfaces to optimize production reliability and operator efficiency
- Conducted on-site system simulation, testing, and commissioning to ensure seamless startup and operational stability
- Delivered full documentation package (HDS, FDS, SDS) and executed system validation in compliance with GAMP5 and pharmaceutical industry standards.