



# POWER GENERATION CONTROL SYSTEM ANALYSIS & OPTIMIZATION

## INNOVATIVE CONTROL SYSTEM SOLUTIONS

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Traditional power generation facilities that include coal, natural gas, and hydroelectric plants, typically rely on DCS and PLC-based systems for monitoring and control. In many instances, these systems can have maintenance, reliability and/or obsolescence issues. This is especially true of older plants. Vendor support for DCS systems can be costly and it is sometimes difficult for operators of these facilities to find support for smaller incremental upgrade and maintenance projects. Additionally, wholesale replacement or upgrades of hardware systems and software can be very expensive. Due to budgetary constraints, these projects may not get approved and operators are forced to continue to struggle with these issues and the challenges that they present.

EN Automation provides a full range of consulting, design and software development services to enable our customers to meet these challenges. We help our customers enhance the efficiency and reliability of their control systems and avoid the expense of wholesale replacement or upgrades by optimizing the operation of existing systems through targeted, incremental upgrades and revisions to hardware and software systems.

We do this, first, by listening to our clients and performing a thorough analysis of the facilities and control systems to gain an in-depth understanding of operational requirements and issues. Then, we apply our platform expertise and industry knowledge to develop reliable, cost effective and scalable solutions tailored to the specific needs of our clients. Finally, we deploy experienced automation professionals to implement and commission our solutions.

EN Automation has the breadth of expertise and the depth of resources that allow us to deliver projects, ranging from small control system upgrades and maintenance tasks to major modernization programs. We can execute stand-alone projects, work as an extension of our customer's team, or provide embedded resources. We are committed to helping our customers operate more efficiently, reliably and cost effectively.



## **ANALYSIS AND OPTIMIZATION SERVICES**

- Control system studies / cost estimates
- Troubleshooting
- DCS system maintenance and additions
- PLC / DCS integration
- SCADA and HMI software development
- Incremental migration / modernization projects
- Control system optimization
- Control system version upgrades
- Documentation upgrades
- Embedded plant resources
- Training

## **FOR MORE INFORMATION CONTACT:**

### **EN Automation**

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