

# Advanced Integration Group, Inc.



- **Control System Integration Expertise:** Designing and implementing control systems using the latest available technology since 2000.
- **Comprehensive Automation Solutions:** Specializing in PLC, SCADA, DCS, and HMI design, programming, integration, and implementation across major platforms.
- **Recognized Industry Accreditations:** Rockwell Silver Integrator, PennDOT P5, Level 1 System Integrator. Member of CSIA (Control System Integrators Association).
- **Instrumentation Engineering Excellence:** Proficient in instrumentation engineering, P&ID and loop drawing development. Our expertise extends to all areas of interest to consultants for support.
- **Efficiency and Sustainability Focus:** Assist in streamlining your operations by reducing costs, increasing production, and minimizing energy consumption.
- **Construction Management Services:** Offering onsite inspections and design review services to ensure seamless execution and quality project control.
- **UL508a Certification:** Certified industrial control panel shop, manufacturing control enclosures designed as part of our turn-key solutions or to your exact specifications.

# Our Solutions and Expertise

## ▪ *Past Experience and Project Diversity*

### • Water/Wastewater

- **ALCOSAN:** CSO Bypass & Disinfection Project Design with GHD and RAS Systems Integrator with WPC
- **PWSA:** CM Electrical and Controls with HATCH and Electrical Facilities Condition Assessment with ms consultants

### • Energy

- **Vistra Energy/Combined Cycle Plants:** Maintenance of PC Software and PLC Programming of the water systems for the turbine generators.
- **PITT Carrillo Steam Plant:** Systems Integrator for all major projects for one of the cleanest university heating plants.

### • Transportation

- **PRT:** Mt. Lebanon + Mt. Washington LRT Tunnels - upgraded from GE PLC to Emerson for ventilation and status alarming. Northshore Connector LRT – SCADA systems and controls along with the overall integration management.
- **USACE:** SCADA Controls System Upgrade at Pittsburgh District Locks and Dams to modernize and secure these critical systems. Since 2008 we have been upgrading lock & dam control systems along with CCTV systems for monitoring and security.
- **MDOT:** Ft McHenry Tunnel Ventilation Improvements PLC and HMI programming along with manufacturing of the UL control enclosures

### • Metals

- **SMS:** PLC and HMI programming, CAD support along with fabrication of control enclosures for US steel facilities
- **ATI:** Upgrading Stretcher Mill – PLC5, Powerflex DC, Panelview migrations, Programming and Commissioning of Controls

# Why Advanced Integration Group?

- **Client-Centric Approach:** We prioritize your needs above all else. Our focus is on delivering solutions that exceed specifications and align perfectly with your desired outcomes.
- **Tailored Control Systems:** From concept through implementation, we are committed to delivering solutions that work for you.
- **End-to-End Development:** Trust us for cradle-to-grave development, ensuring seamless execution at every stage of your project lifecycle.
- **Expertise You Can Rely On:** Benefit from our talented, experienced engineers. Our team's collaborative efforts delivers excellence and reliability.
- **See What Our Clients Say:** Hear directly from satisfied clients who have experienced the value of our services firsthand. Visit our website to explore testimonials and success stories. <https://www.aigcontrols.com>
- **Connect with Us:** Reach out to **Donna Chappel** at [dchappel@aigcontrols.com](mailto:dchappel@aigcontrols.com) to start the conversation and discover how we can transform your vision into reality.