From system design to panel assembly and everything in between, Gross Automation provides a turnkey solutions one-stop shop. With engineering, programming, designing and building capabilities, our solutions meet and can be certified to multiple UL standards. Our engineers and/or service technicians can also provide startup and troubleshooting assistance on an as-needed basis when you just can't spare the manpower or resources.

You can engage our services at any point in your product development or manufacturing. We can tailor what we do to exactly what you need. Take advantage of our in-house panel shop or we will even come to you!

**The Gross Advantage**

**The Right Talent at the Right Time**
Experienced engineers and certified technicians are only a call away.

**Flexibility**
Get the services that you need without the ones you don't.

**The Right Parts at the Right Price**
We work with over 40 world class manufacturers at volumes that ensure you get the best value.

**Global Experience**
Global sourcing with global availability. We can ship anywhere.

**The Expertise You Need**

**Custom Engineering**
- Product Support
- Control System Design
- Control Panel Design
- Data Network Design

**Custom Reporting**
- SQL Server
- Visual Studio
- Crystal Reports
- Oracle
- Python

**Panel Manufacturing**
- UL508A Certified Panel Shop
- Contract Manufacturing
- Sub-assemblies

**Programming**
- PLC/DCS/HMI Programming
- Variable Frequency Drives Programming
- Data Network Programming

**Fieldwork**
- On-Site Assistance
- Field Service & Repair
- Field Startup & Commissioning
- Retrofit & Modifications

**Preparing for the Future**
- Industry 4.0 (Smart Factory)
- 4th Industrial Revolution
- IIOT (Industrial Internet of Things)
- Global Cities Initiative

**Hardware and Software Expertise**
# The Future of Technology

We also offer a line of panels and systems that will cover your future needs.

- Industrie 4.0 (Smart Factory)
- 4th Industrial Revolution
- IIOT (Industrial Internet of Things)
- Global Cities Initiative

## Case Studies

### Overflow Assembly

**Problem**
Food & Beverage machinery OEM needed additional qualified staff to wire control panels.

**Solution**
Gross Automation provided a UL508A trained technician on site for 4 weeks.

**Benefit**
Delivery due date to their customer was met instead of missed.

### Low Volume Contract Panel Building

**Problem**
Robotics machine shop had insufficient resources (line time & staff) to fill a panel order.

**Solution**
Gross Automation supplied all necessary parts, built and tested the panels to UL508A standards in our onsite panel shop.

**Benefit**
Filled an order that might have been postponed or missed without disruption to the production line.

### Design & Build

**Problem**
Marine equipment OEM needed the control system for a key machine updated.

**Solution**
Gross Automation:
- Removed old controls
- Designed new control system
- Rewired the machine for new sensors, VFDs, PLCs and HMI supplied and programmed by Gross.

**Benefit**
Increased machine throughput by over 50%.

### Programming/ IT Services

**Problem**
Dry concrete batching plant's software needed an upgrade of the DCS system and hardware.

**Solution**
Gross Automation programmed, tested and commissioned a functionality upgrade.

**Benefit**
Improvement in overall plant throughput.

### Engineering Design and Modification

**Problem**
OTS products did not have the necessary access ports to meet design needs for a control panel ultimately placed in an electric car produced by a prominent energy storage company.

**Solution**
Modified the standard enclosure to allow access.

**Benefit**
Improved reliability and ease of access while maintaining integrity of the internal board. Saved money and shortened the development cycle.

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## Connect With Us

Call us today and see what a difference our service-oriented team can make in your automation control sourcing!

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