



TRI-STAR
AUTOMATION INC.



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**PROVIDING INTEGRATED
AUTOMATED SOLUTIONS**


COMPANY
PROFILE

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ELECTRICAL CONTRACTING

TSA has employed journeymen and apprentice electricians since inception in 2002. Services we are experienced in are:

- Industrial facilities including rigid pipe installation, high temperature equipment in foundries, Division 1 to 4 areas, high voltage installation and terminating to name a few.
- Commercial projects, new and renovations.
- Agricultural and chemical projects
- Cable locates
- Power quality and usage data acquisition.
- Infa red scanning
- All types of preventative maintenance.
- Mobile units, from hydro station battery back up trailer units to food trucks



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BUILDING AUTOMATION

Tri-Star Automation has been providing our repeat customers the right Building Automation Systems (BAS) integral to streamlining operations and making each facility comfortable, safe, and cost-effective. We provide a full-blown, fully customizable, fully programmable system that makes it easy for facility managers to control environments efficiently and intelligently to meet the needs of people learning, working, shopping, and living in them.


The RCStudio software engine that drives the Building Automation Systems has an easy-to-use graphics package that can be managed through any internet connected devices; desktop or mobile. Our software collects information to one, simple, centralized location, so everything can be tracked and analyzed, no matter how large the facility or network of branches. With a streamlined workflow, the team operates quickly, allowing precious time to be allocated elsewhere. Our sterling reputation with building owners, design engineers, and system operators has garnered us repeat customers and word of mouth referrals. With our focus on providing the best quality design, installation, programming and commissioning while meeting schedules and timelines on every project. We continue to grow.

We are a proud provider and distributor of Reliable Controls for many years, winning Entrepreneur of the Year award twice! Reward for continually exceeding annual targets; hard work pays off.

We also partner with Novar, a Honeywell company, and have successfully installed multiple systems with many national companies.

Building automation systems and mechanical system controls HVAC control Systems.



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ROBOTICS

Considering integrating robots into your production lines?

Look no further than TSA, we can help from initial feasibility studies, selection of robot, integration and programming, after sale service as well as training.

We have worked with welding applications, palletizing and vision systems for part inspections and measurements.



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AUTOMATED EQUIPMENT DESIGN AND UPGRADES

Tri-Star Automation provides its customers with only the highest level of products, services.


Our customers are confident from experience that we only supply safe products that perform and are installed and tested to function when we power up. To this end, Tri-Star Automation is a CSA certified manufacturer.

CSA certification is an internationally recognized quality assurance standard. Found on over a billion products worldwide, the CSA mark means our panels have been tested and meets the applicable standards for safety and/or performance including the applicable standards written or administered by the American National Standards Institute (ANSI), Underwriters Laboratories (UL), Canadian Standards Association (CSA), National Sanitation Foundation (NSF), and others. CSA field representatives conduct more than 50,000 factory visits each year, worldwide, to ensure that CSA-certified products continue to meet the applicable standards.

Being a CSA certified manufacturer, Tri-Star Automation clients benefit from enjoying the highest level of quality assurance in the manufacturing of our products as they meet or exceed CSA standards.

- Industrial Equipment and Process Control
- HVAC Control systems
- Water Treatment and Waste Water
- Agriculture
- Chemical
- Mining
- High Voltage Applications
- Lighting Control Panels



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BUILDING MAINTENANCE:


Tristar Automation has years of building maintenance experience. We provide a variety of maintenance services for every season, to ensure nothing is forgotten and your building looks great. We can provide a preventive maintenance plan to improve safety, avoid unnecessary repairs and costs, and maintain a professional look to your building.

Maintenance service can include:

- Light construction
- Mechanical repairs
- landscaping
- trim trees and shrubs
- Lawn maintenance
- Keeping grounds clean and well-manicured
- Electrical repairs and inspections
- Snow removal
- Trash collection
- Maintenance tasks unique to your building

Tristar Automation will attend to your building maintenance promptly, in a professional manner, to keep your building in top shape leaving a smile on your tenants and commercial customers.



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PROGRAMMING


PLC System Integration Consulting.

As industrial communication interfaces evolve, we continue to acquire the training and experience needed to keep up with standards including the following:

- Light construction
- Mechanical repairs
- landscaping
- trim trees and shrubs
- Lawn maintenanceKeeping grounds clean and well-manicured
- Electrical repairs and inspections
- Snow removal
- Trash collection
- Maintenance tasks unique to your building



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WATER AND WASTE TREATMENT PLANT

TSA has supplied and installed control systems in several water and wastewater treatment plants, pumping stations, and lift stations across Manitoba. We provide PLCs, SCADA, MCCs, VFDs, soft starters, control panels, and all types of instrumentation. We provide calibration, programming, commissioning, and communications for off-site alarming by phone, email, or text and remote graphical accessibility via PC or smartphone. TSA also offers ongoing monitoring and support.

MACHINE SAFEGUARDING

Not only is safeguarding your employees the right thing to do, it's the law. TSA has completed safeguarding on hundreds of machines with light curtains, fencing, all types of interlocks to ensure your employees are protected from injury. Facilities include aerospace, steel manufacturing, chemical and fertilizer plants to name a few. We work across Canada and can quickly and efficiently install these systems adhering and exceeding government standards.

