



# Mobile OEM Partner

CUSTOM ELECTRONIC CONTROLS & MECHANICAL SOLUTIONS > **HEAVY EQUIPMENT INDUSTRIES**



**FULL TURN-KEY  
OPERATOR CABS**



**CONTROL PANELS  
LOGIC BOXES**



**INSTRUMENT CLUSTERS  
DASHBOARDS**



**CUSTOM ELECTRONIC  
DESIGN/CONTROLS**



**WIRE HARNESS &  
CABLE ASSEMBLIES**

ISO 9001 | TS 16949



**STERLING**  
TECHNOLOGIES, INC.

[www.sterlingtech.org](http://www.sterlingtech.org)



## Innovation & quality recognized by major industry leaders.

Sterling Technologies manufactures high quality electronic controls and mechanical system solutions including wire harnesses, logic boxes, control panels, pcb design, instrument clusters/dashboards, full turn-key operator cab enclosures, and more.

We're a trusted partner that brings innovation to your solution and strives to always exceed customer expectations while meeting important industry standards for cost, reliability, performance, and on-time delivery.

For over 35 years, our reputation for high quality and technical expertise has been recognized throughout the Construction, Mining, Railroad, and Automotive Industries by top manufacturers such as **Caterpillar, JLG/Oshkosh, Gradall, Visteon, General Motors, and Ford Motor Company.**



**100% TESTING  
ENSURES HIGH  
RELIABILITY  
FOR ALL  
STI PRODUCTS.**

### Key Capabilities

PROJECT MANAGEMENT  
CUSTOM MANUFACTURING/TESTING  
BUILD TO CUSTOMER PRINT  
ENGINEERING DESIGN/VALIDATION  
PCB DEVELOPMENT (HW/SW)  
J1939, CAN BUS, AND COMMUNICATIONS  
CNC ROUTING/ENGRAVING  
POLYCARBONATE PLACARDS/OVERLAYS  
CAD/CAM DESIGN SUPPORT

### Industries Served

CONSTRUCTION  
RAILROAD  
AUTOMOTIVE  
ROAD MAINTENANCE EQUIPMENT  
SPECIALTY/OFF-ROAD VEHICLES  
HEAVY TRUCK/BUS (COACH)/RV  
AGRICULTURE  
MINING  
GOVERNMENT/DEFENSE  
MARINE

ISO 9001:2008  
TS 16949:2009  
AIAG QUALITY MANAGEMENT

## Select Sterling Products

### FULL TURN-KEY OPERATOR CABS

STI Cabs are custom built assemblies to meet your requirements. They include painted weldments, sealed windows, wiper systems, seating, lighting, sound, sound-proofing, cab pressurizing, hvac controls, operator interfaces, power conditioning, and all control panels, electronics, and harnessing. Increased integration and 100% testing ensures highest quality and rapid installation for OEMs.



### CONTROL PANELS, LOGIC BOXES, J-BOXES

STI Control Panels can be customized in any size or shape to fit your requirements. They are configured for applications such as operator interface consoles, power distribution centers, junction box assemblies, or for engine/hydraulic controls interface. They are designed & manufactured for use in rugged environments and 100% fully tested for high reliability in the field.



### INTEGRATED INSTRUMENT CLUSTERS

Instrument Clusters and Dashboards are customized & CNC routed from durable, heavy-gauge polycarbonate material. Custom Placards use thin-gauge polycarbonate material with reverse printing/ silk-screening for reliable long-term wear and scratch resistance in harsh environments. We can develop or install any combination of gauges, switches, back-lighting, audible/visual alarms, harnesses, and electronic controls.



### WIRE HARNESSES & CABLE ASSEMBLIES

From simple to complex harnesses, STI offers high quality assemblies for all applications with a full line of terminals and connectors such as Tyco, Delphi, Molex, and Deutsch. Our capabilities include ultrasonic welding, automatic lead making, wire coloring/marking/stripping, harness braiding, shielding, twisting, potting, pull & pressure testing, and 100% electrical tests for insulation, shorts, resistance, capacitance, and more.



Project Management • Custom Manufacture/Test • Build to Print • Low to High Volumes



## Other Services

### PACKAGED ELECTRO-MECHANICAL SOLUTIONS

We will work with your Engineering Team and Commodity Buyers to develop or re-design your electro-mechanical sensor, control, and interface components. Custom STI solutions & innovations are ideal for new programs as well as affordable replacement strategies for legacy service products that may be phasing out of production but still have market demand.



### PCB DESIGN/ MANUFACTURING

STI Engineering will accept or help develop your functional requirements for a unique electronic solution. We have expertise in analog/digital circuit designs, EMUs, displays, hardware/software development, and a variety of wired/wireless network communications & protocols that include CAN bus and J1939. Manufacturing processes include SMT and Through-hole technology.



### POWER DISTRIBUTION CIRCUITS/PANELS

Let us custom design a power distribution circuit or fabricate a panel for your mobile application. Circuits are designed for rugged applications, high current, high reliability, fast installation and easy maintenance.

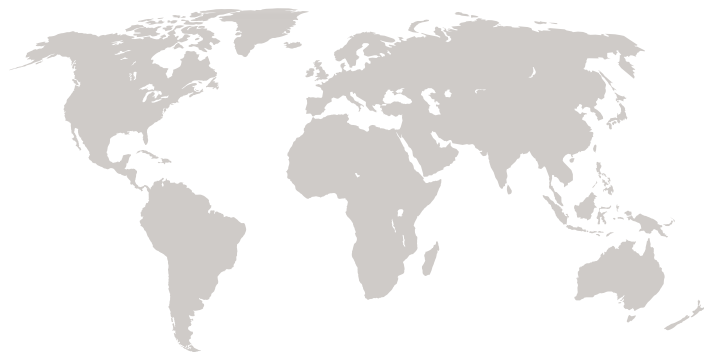


### JUMPER/ADAPTER HARNESSES

Jumper or Adapter harnesses are ideal solutions when you need to make connections between existing components and new service parts. Custom PCBs may also be added "in-line" for routing of connections or inserting logic/timing into the harness circuitry. STI offers "kitting services" for OEM's to make things easy for their service and dealer network.



What can we build for you?  
Contact us with your requirements.



Sterling Technologies, Inc.  
2035 Easy Street  
Commerce Township, MI 48390

Tel. 248-669-0334  
Fax 248-669-0336  
Email: [info@sterlingtech.org](mailto:info@sterlingtech.org)



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TECHNOLOGIES, INC.

[www.sterlingtech.org](http://www.sterlingtech.org)

Manufacturing affiliates in  
USA • Canada • Mexico