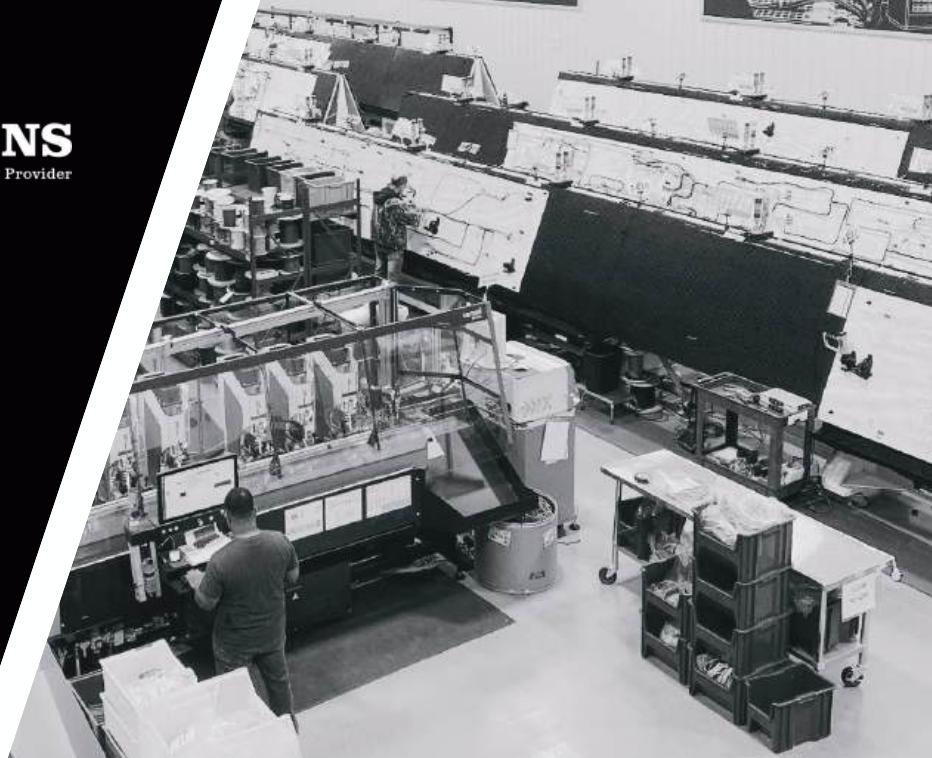




LUMIN-INNOVATIONS

Your Global Electrical Engineering Services & Manufacturing Provider

Your Ultimate Partner in Wire Harness Design & Manufacturing



Highest Quality Automation Production Equipment In The Market

- ✓ Million dollar investment for full automation equipment & inventory
- ✓ Only U.S. Prototype House to offer full automation w/traceability
- ✓ Increased capacity by **130%** reduction in delivery time by **63%**
- ✓ Reduced wire time to board from **14 minutes to 11 seconds**
- ✓ Automated electronic pull test, crimp height measurement

Lumin-Innovations is located in East Peoria, Illinois in a State-of-the-Art 22,000 square foot facility dedicated to the manufacturing of Electrical Harnesses. This impressive facility, certified under ISO9001:2015 and AS9100D, proudly stands as the only Prototype Facility in the United States to provide full automation with traceability, showcasing a commitment to excellence and innovation.

Capability by an astounding 130% and significantly reduces delivery time by 63%, the group is poised to deliver comprehensive turnkey solutions that encompass everything from schematics and 3D routing to manufacturing drawings and physical prototypes. The team's versatility spans various industries, including agriculture, appliance, automotive, aerospace, defense, heavy equipment, and marine, reflecting a deep understanding of global market needs.

📞 309.533.0845

🌐 Lumin-Innovations.com

📍 401 Farmdale Road, East Peoria, IL 61611

Follow us on Social Media



Full Turnkey Solution

- Schematic
- 3D Routing
- Manufacturing Drawing
- Physical Prototype Harness
- Production of Harness

**AS9100D
Certified Center**

Industries

- Aerospace
- Agricultural
- Automotive
- Motorcycle
- Marine
- Appliance
- Heavy Equipment
- Rail

Our Assets

- Komax Zeta Automated Wire Processing Equipment (Computer Controlled Measure/Cut/Strip)
- Each Wire Custom Printed per Circuit/Connector/Route
- Aerospace Automated Laser Marking Equipment
- Telsonic Ultrasonic Welders
- Pneumatic Crimping
- Custom Dies
- Custom Comprehensive Automated ERP Tracking System
- Auto Feed Harness Overbraiding Equipment

Value Add

- ✓ US based fully automated fabrication house
- ✓ Ability to support ITAR projects
- ✓ Quick turn around for prototypes and low volume manufacturing
- ✓ Three stages of checks for OTD and FTR results
- ✓ 100% of all circuits on every harness is electronically tested

Services and Tools

Service Offerings	Domain	Solution Accelerators - IP's & Frameworks	CAD/PLM Tools
Systems & Architecture	Automotive	iLean4NPD™	CATIA, Solid Works/Enovia
Schematic & Harness	Trucks & Off-Highway	iNexumPro™	UGNX/Teamcenter
Prototype & Validation	Aerospace & Railway	iTracePro	Vesys/Capital H
HV & Component Engineering		UHTB	3D Experience
HV & Component Engineering		Circuit Analyzer	Creo/Windchill
VAS (VAVE, Automation Simulation)		DFX	Solid Edge
			Zuken E3/Cabling Designer
			MATLAB

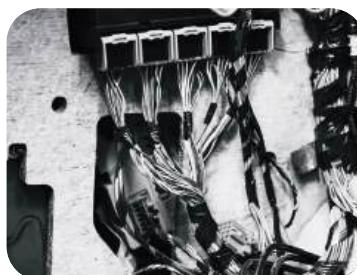
Products



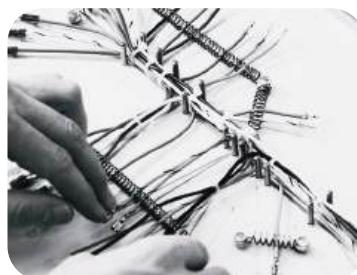
Full Chassis Harnesses



Engine Harnesses



Infotainment Systems



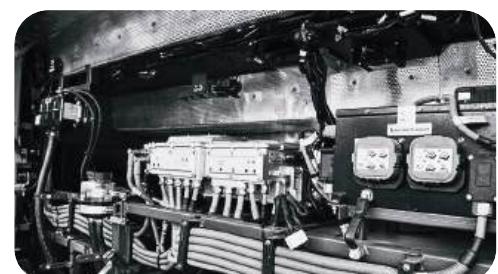
Lighting Harnesses



Complete End to End Wiring



Full EMI EMC Aerospace wire harness



Electric Vehicle (EV) High Voltage Cables



HIL Benches



Aerospace Harnesses



Marine High Voltage Harnesses

Services and Tools



Custom Design and Development
R&D Lab



Automotive / Off-Highway Marine
Full Production Harness



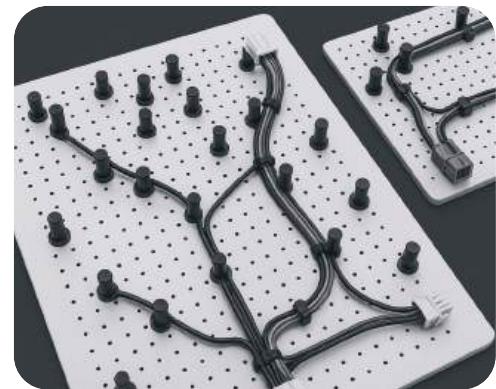
Turnkey HIL Cabinet Fabrication and
Completion



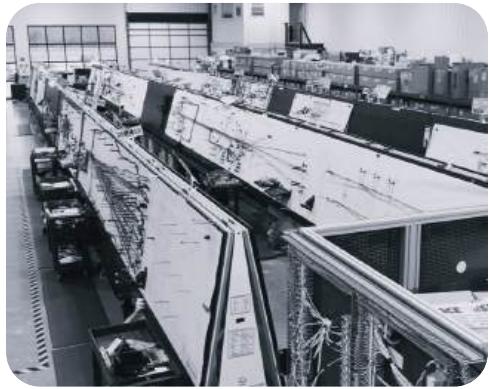
Pneumatic Strip / Seal & Terminate



Ultrasonic Welders



Est 6K sq ft. Panduit Quick Build
Form Boards & Fixtures

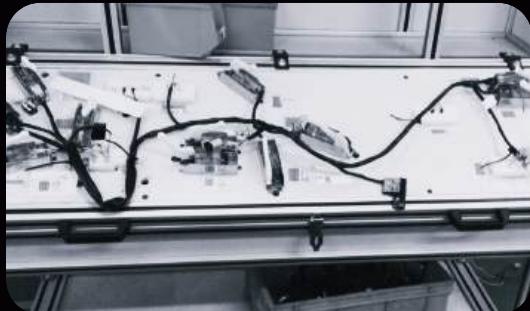


Custom Designed Mobile Carts for
Testing & Assembly

CIRRIS Cable & Harness Testing

The system supports guided assembly with on-screen connector images

- ✓ Highlighting proper cavity positions guidance
LEDs on the assembly board
- ✓ Immediate graphical and audible feedback to
catch errors as they occur



Quality Electronic Testing of All
Production Harnesses



CIRRIS
SYSTEMS