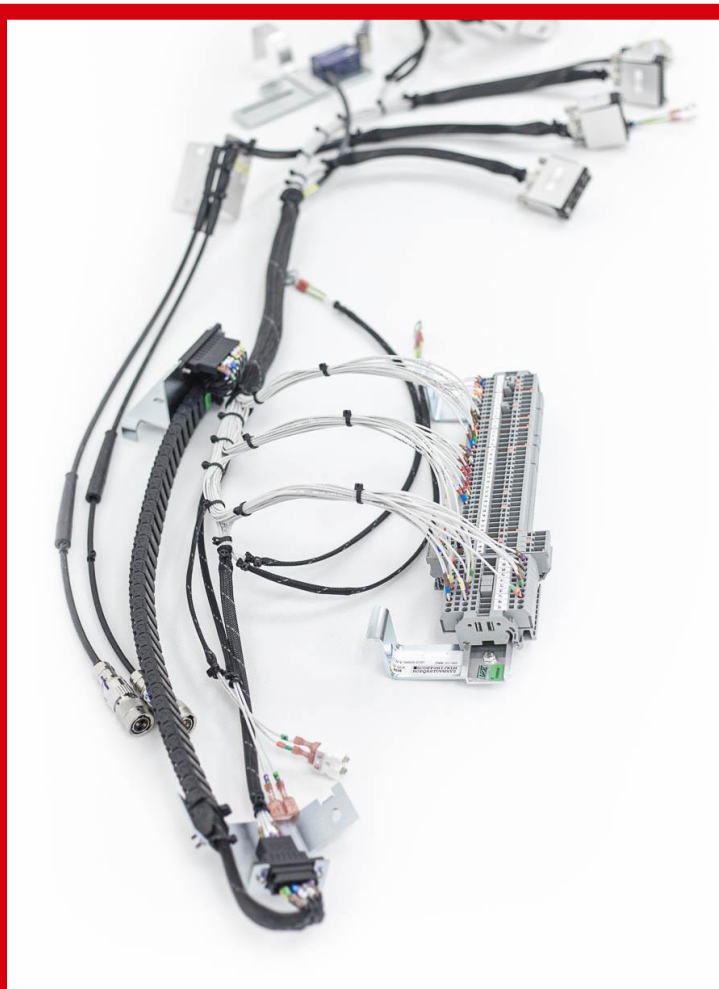
STRATEGIC PARTNER
FOR ELECTRICAL SOLUTIONS

SATYS ELECTRIC

GENERAL INTRODUCTION
WIRE & HARNESS ASSEMBLY





SATYS ELECTRIC is a global leader for custom cable assemblies, connectivity solutions, box build & control cabinets. Over 750 employees in 5 locations strives to build & deliver the best products for your market. To do this more efficiently, we have strategically located production facilities & logistic centers across the globe, including sites in the United States, France, Thailand & China. This allows us to adapt to specific market conditions, as well as bring local support by our proximity to our customers.

SATYS ELECTRIC strive to provide our customers with not only the best products, but also the best services and support. As your global partner specialized within high-mix/medium volume with over 20 years of experience and industry knowhow. We follow you from initial product development thought the complete lifecycle of your products. We offer innovative solutions in design, supply chain, services and raw materials sourcing to help our customers lead their markets while generating savings.

We work in high demanding industrial fields from aerospace to industrial machinery & medical applications.



INNOVATION & QUALITY recognized
by MAJOR INDUSTRY LEADERS

Our teams excels at finding solutions for your most difficult connectivity applications, from standard cable & wire assemblies to custom co-developed harness solutions & high level assemblies.

Our expertise built over decades of market know how combine with our constant learning mentality allow us to serve some of the most demanding markets. From standard everyday issues to the one-of-a-kind applications that no one else will touch.

SATYS ELECTRIC harnesses are now in use in a wide variety of industries, including:

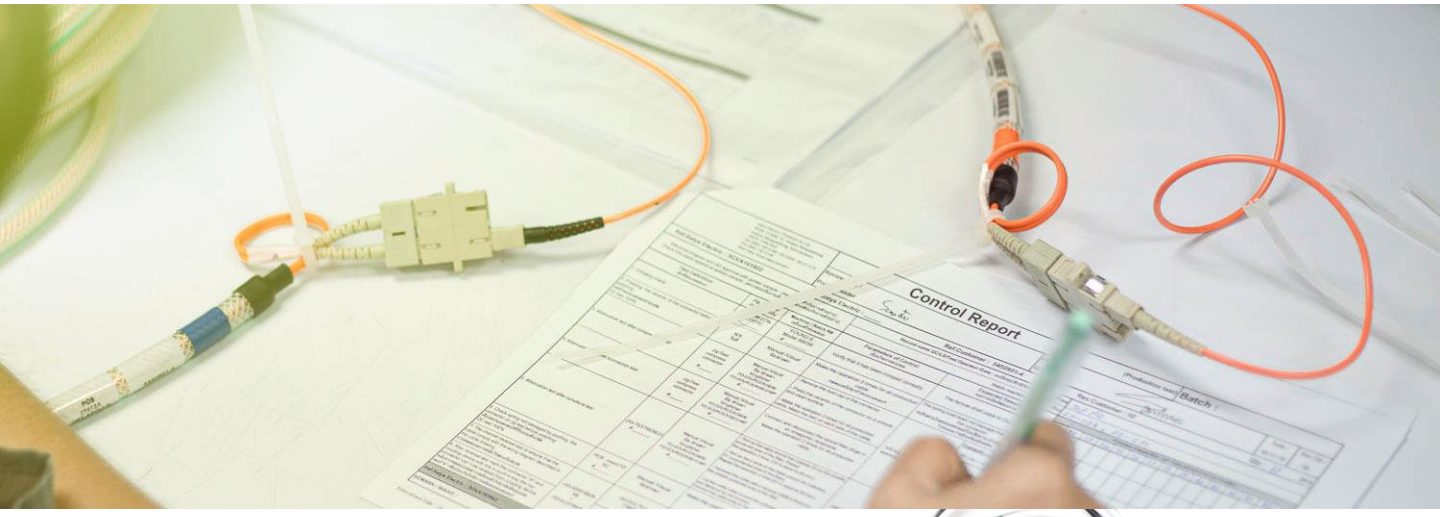
- Energy Production
- Energy Distribution
- Electronics
- Railway
- Aerospace
- Medical Devices
- Medical Imagery Systems
- Heavy Equipment's
- IT DataComm
- Industrial



QUALITY & FLEXIBILITY

SATYS ELECTRIC industry experience allows our harness team to provide customers with connectivity solutions to fit the exact needs of their applications, whether an application must withstand extreme environmental conditions or meet specific certifications.

- ISO 9001
- AS9100D - Aeronautics
- ISO/TS 22162 – IRIS
- ISO13485 – Medical
- Nadcap
- ISO14001
- UL817 certified
- ECOVADIS
- REACH SHCV
- ROHS
- IPS/WHMA-A-620 & J-STD-001E
- Conflict Mineral















Testing

- Zero defect policy
- 100% of our products are electrically tested
- Functional testing upon request
- Advance machine vision testing on complex assemblies or specific products
- Capable of testing up to 5000 points at once

Miscellaneous

- IPC 620 Class 2 as production standard. Class 3 on aerospace &/or upon request
- Mandatory quality training of all our operators following IPC standards & yearly retraining's
- QR code quality tracking on demand
- Dedicated quality teams

SATYS ELECTRIC

WIRE HARNESSES & CABLE ASSEMBLY SOLUTIONS

- From simple wire & cable harnesses to complex assemblies for all markets
- Complex connector assemblies
- Multibranch cable and wire harnesses
- Optical fiber assemblies & Hybrid electrical wire and fiber optics harnesses
- Potting, over molding & low pressure molding of assemblies and custom connectors
- Hi density harnesses up to 2500 points capable
- 3D harnesses assemblies
- Spot welding, Ultrasonic welding & Braiding



DEDICATED BUSINESS UNITS

We have dedicated a business unit for each of our market segments. This include specific engineers, quality & production team members.

As a strategic partner to your development, this organization will bring you the best service you can find and above all, people that understand your market, your requirements, your needs and people able to react rapidly to new problems and challenges your are facing.



CAPABILITIES & SERVICES

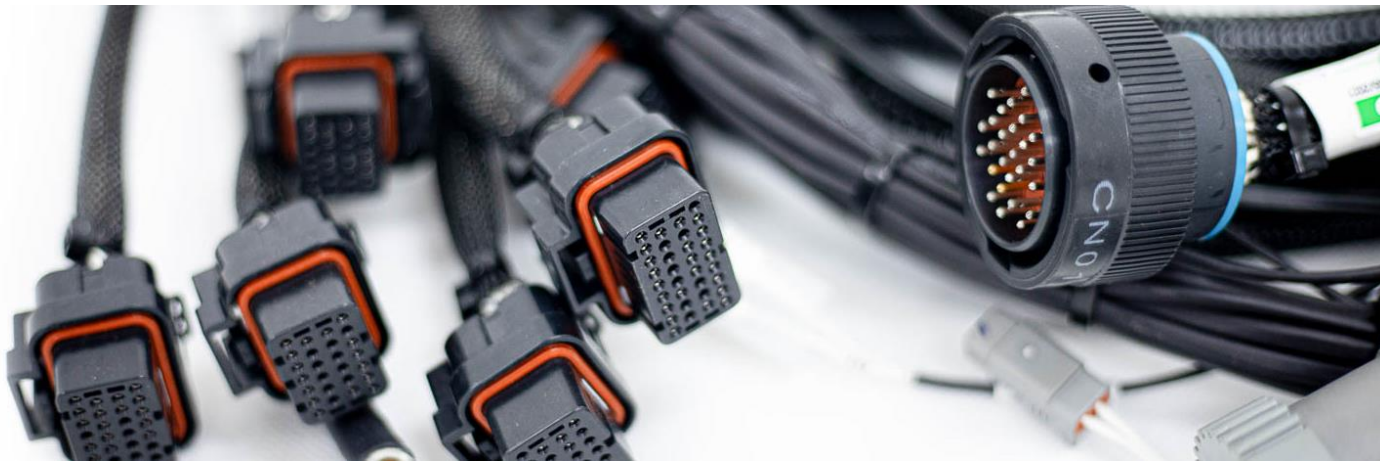
Our capabilities in wire & harness cable are up to the highest standards

- Automatic stripping and crimping
- Advanced cable cutting
- In-house cable design
- Highly experienced soldering
- Potting
- Custom marking
- Printing, including inkjet laser
- Wire prep/processing
- Cable/wire bundling
- Looming
- Labeling
- In-house plastic molding connectors



We offer a wide range of services to cover all your needs

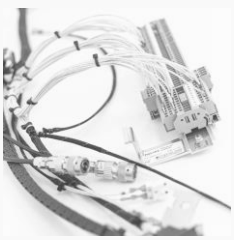
- Custom design
- Component resourcing
- Kan-Ban
- PPAP management
- Kitting
- Dedicated Teams
- IPC 620 class 2 & 3
- Mechanical durability testing





Crimping

- State of the art fully automatic crimping machines to manual crimping.
- Internal crimping validation for each contact/wire configuration.
- Controls of crimping key parameters at the beginning and end of each production batch, with full traceability.



Assemblies

- Specific assembly fixture per product design and revision.
- For in process assembly and final electrical tests.
- Specific trainings on particulars products or markets.
- Hight flexibility and modularity of our production footprint.

SATYS ELECTRIC

YOUR PARTNER FOR SUCCESS

Design and support

- Design expertise on various markets with specific know how's
- Assistance during the design process
- Redesign to cost with similar spec materials
- Efficiency and standardization of existing designs



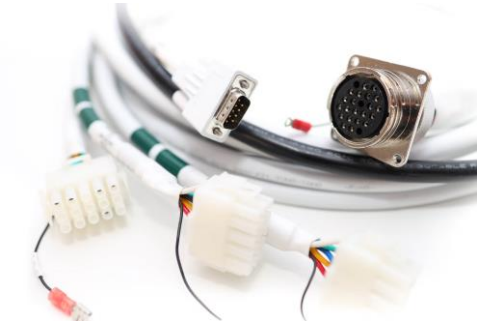
Built to print

- Capable to work with any customer designs
- Ability to building to "copy exact" from design to materials
- Manufacture directly from customer drawings or samples
- Capable of reverse engineer physical parts for industrialization



One Stop Shop

- Wire & cable Harness design engineering services
- Fast prototyping
- Wide range of manufacturing capabilities
- Efficient manufacturing processes
- In-house tool shop for customization
- In house testing services
- Component resourcing for cost improvements





Custom molded connectors

- In house molded connectors capacity
- 100+ standards molds
- Fast customization of design and mold
- Medical & Aerospace compliant processes



Fast prototyping

- Dedicated prototyping production line and personnel.
- Purchasing material flexibility across our 5 locations
- 3D printed of connectors
- In house pegboard design and manufacturing

STRATEGIC PARTNER
FOR ELECTRICAL SOLUTIONS

SATYS ELECTRIC



CONTACT US >

General Enquiry
contact@satyselectric.com