

# Cables and system solutions for special vehicles

## Special Vehicles



**The Quality Connection**

**LEONI**

# Your partner for first-class system solutions

The LEONI Business Activity Special Vehicles is a leading supplier of systems and solutions for manufacturers of special vehicles. Our services include development, design and production of electrical systems as well as complex wiring, which will function faultlessly even under tough operating conditions.

As sector specialists, we have product and application-related expertise. We create dedicated solutions that exactly match our customers' requirements. In so doing, we always keep our sights on the overriding objective of our work: to underpin the ability of our customers and their products to compete in the global market on a lasting basis.

In addition, our customers benefit from the wide-ranging synergistic advantages of the Business Activity Special Vehicles within the Wire & Cable Solutions Division. Experience from other industrial sectors flows into our ideas for the special vehicle manufacturing sector, just as the latest developments from the automotive and fiber optic technology sectors do. This is a first-class basis on which to create dedicated solutions that are a paradigm for others.

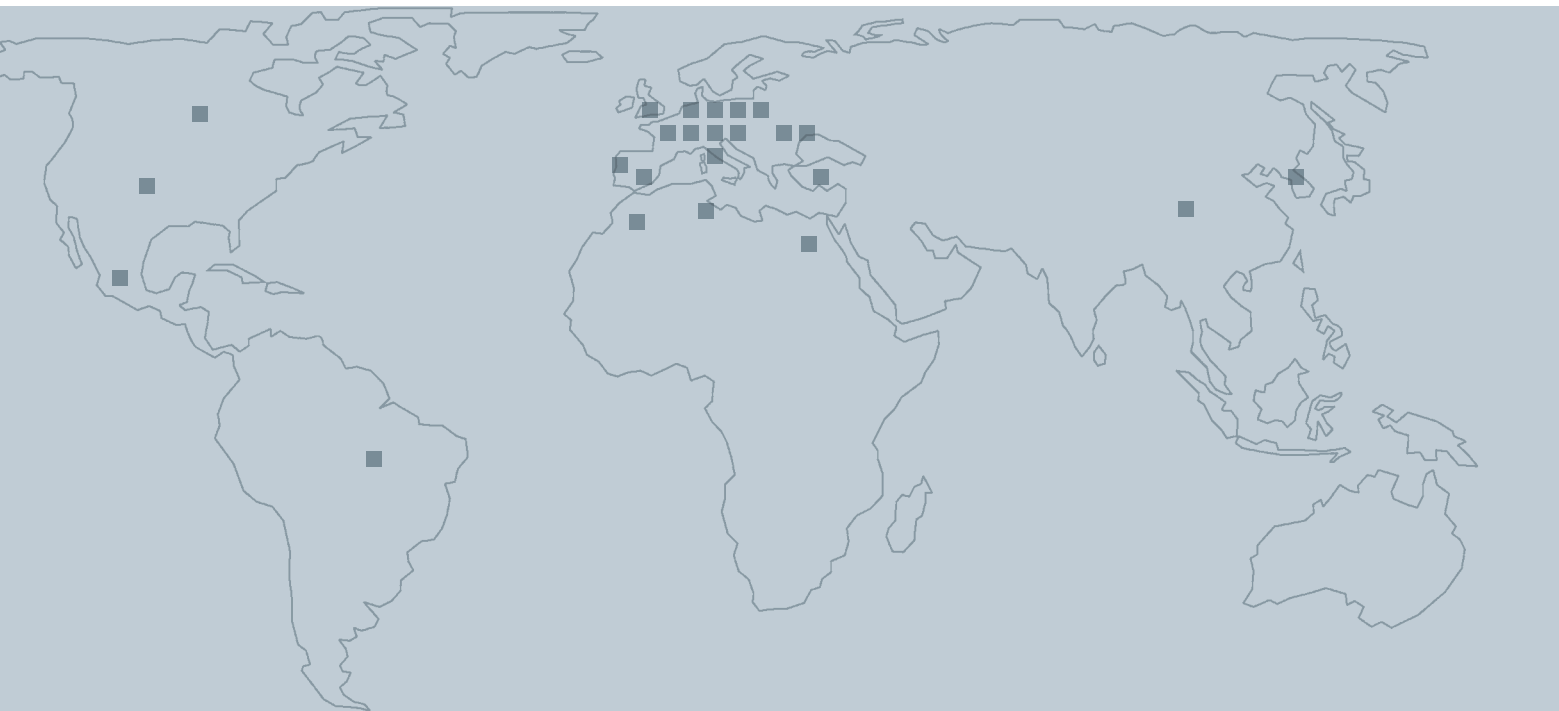
Notwithstanding all this customisation, every LEONI product of course meets all the common norms and standards. In future, too, we intend to excite our customers with ideas and solutions that go well beyond the prevailing standards – be it in engineering, testing, production or the area of logistics.

## **We develop your cabling for every lot size.**

In so doing, we offer you the optimum solution for every special vehicle, every crane and practically every conceivable application: from the single strand through to setup and wiring of master electrics. From standard cables through to highly sophisticated wiring systems in which we also integrate switching gear and control units.



# Worldwide expertise



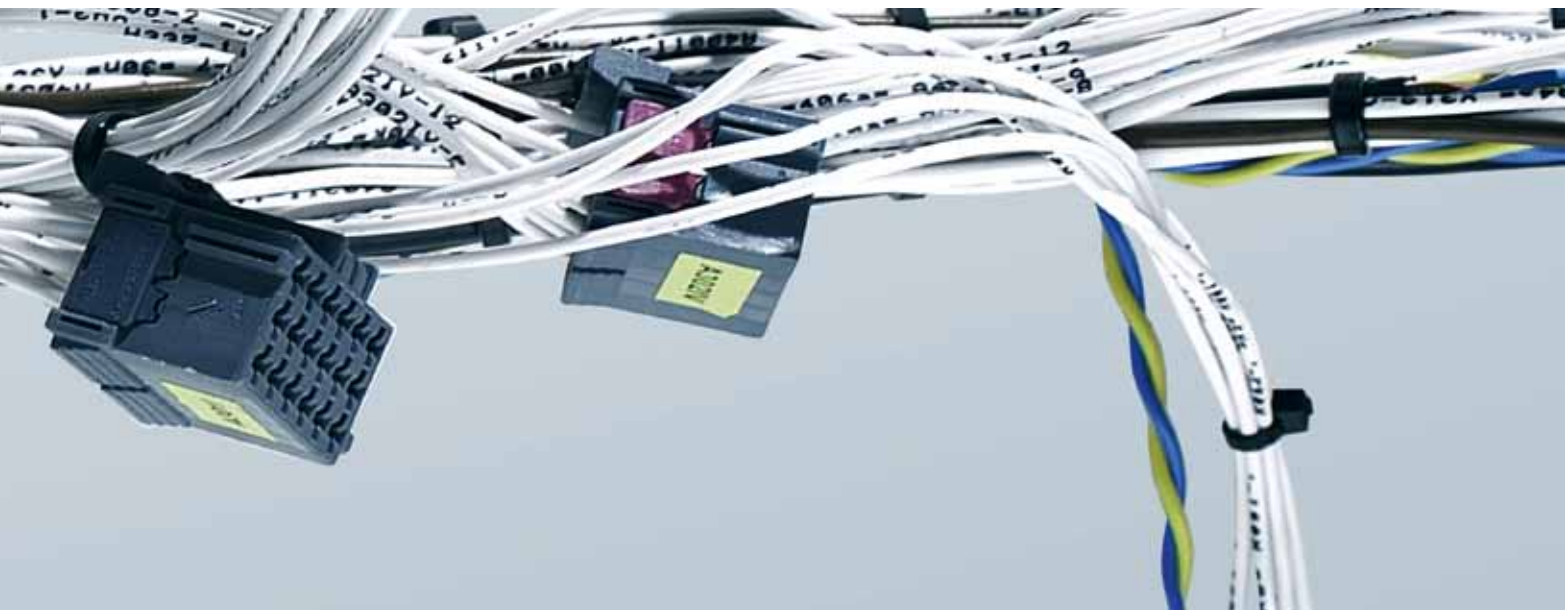
## Our areas of expertise

- Agricultural machinery
- Construction machinery
- Crane vehicles
- Emergency service vehicles
- Fire-fighting vehicles
- Aircraft tractors
- Waste disposal vehicles
- Special transport vehicles
- Other specialist vehicles

## Our strengths – your benefits

- Extensive service & support
- Customer- and application-specific product solutions
- Tests, functional trials and simulations
- Modern test equipment for central electrical systems and cable harnesses
- Broad range of synergy effects within the LEONI Group
- International production network
- Customer-specific logistics concepts
- Installation and on-site commissioning on request
- Spare parts management

**Certified**  
**quality management system**  
**according to ISO 9001:2008**





Special cables

Control elements

Special connection components

Central electrical systems

Fittings

Cable harnesses / systems



# Product range

## Central electrical systems

- Complete setup with housing, PCBs, fuses, relays, transfer connectors
- Optimisation concepts for setup and wiring
- Short-term implementation of special solutions
- Complete functional tests with defined test procedures
- Prototype construction, individual and special production
- Installation and assembly on-site



## Control systems

- Complete system solution
- Optimum functionality
- Perfect ergonomic efficiency and user-friendliness
- Optimum integration in the vehicle concept
- Continuous development possible during serial production
- Wide range of variants



## Cable harnesses/ systems

- Assembly of simple to highly complex cable harnesses
- Automotive cables, control cables, data cables, battery cables
- Installation of electronic and/or electro-mechanical components
- Protective systems made from corrugated, zipper, PVC, PUR and woven hoses
- Individual cable printing
- Centre of competence for prototypes and urgent orders
- Prototyping and customer-specific series production



## Special cables

- According to customer-specific requirements
- Optimised weight and diameter
- Optimum EMC properties
- High mechanical and chemical resistance



## Special connection components

- Connectors for the most challenging conditions in industrial environments
- Waterproof connector systems
- Connector families for the automotive area
- Metric PCBs and cable connectors
- Hybrid connectors for optical data communications
- Customer-specific solutions
- Installation of customer-supplied parts



## Fittings

- Controls
- Displays
- Optimisation concepts for setup
- Complete system solutions



## Service & Support

- **Engineering**  
Our specialists will add strength to your design team
- **Prototyping**  
We build prototypes as the basis for your series production – we can also work from samples or sketches
- **Processing**  
Our broad range of production techniques enables us to offer maximum flexibility for your requirements
- **Project management**  
We will manage your projects with a focus on objectives and results – both within our own team and in collaboration with your team
- **Logistics**  
We can adapt flexibly and smoothly to fit in with your flow of materials and information
- **Spare parts service**



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Special Vehicles

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