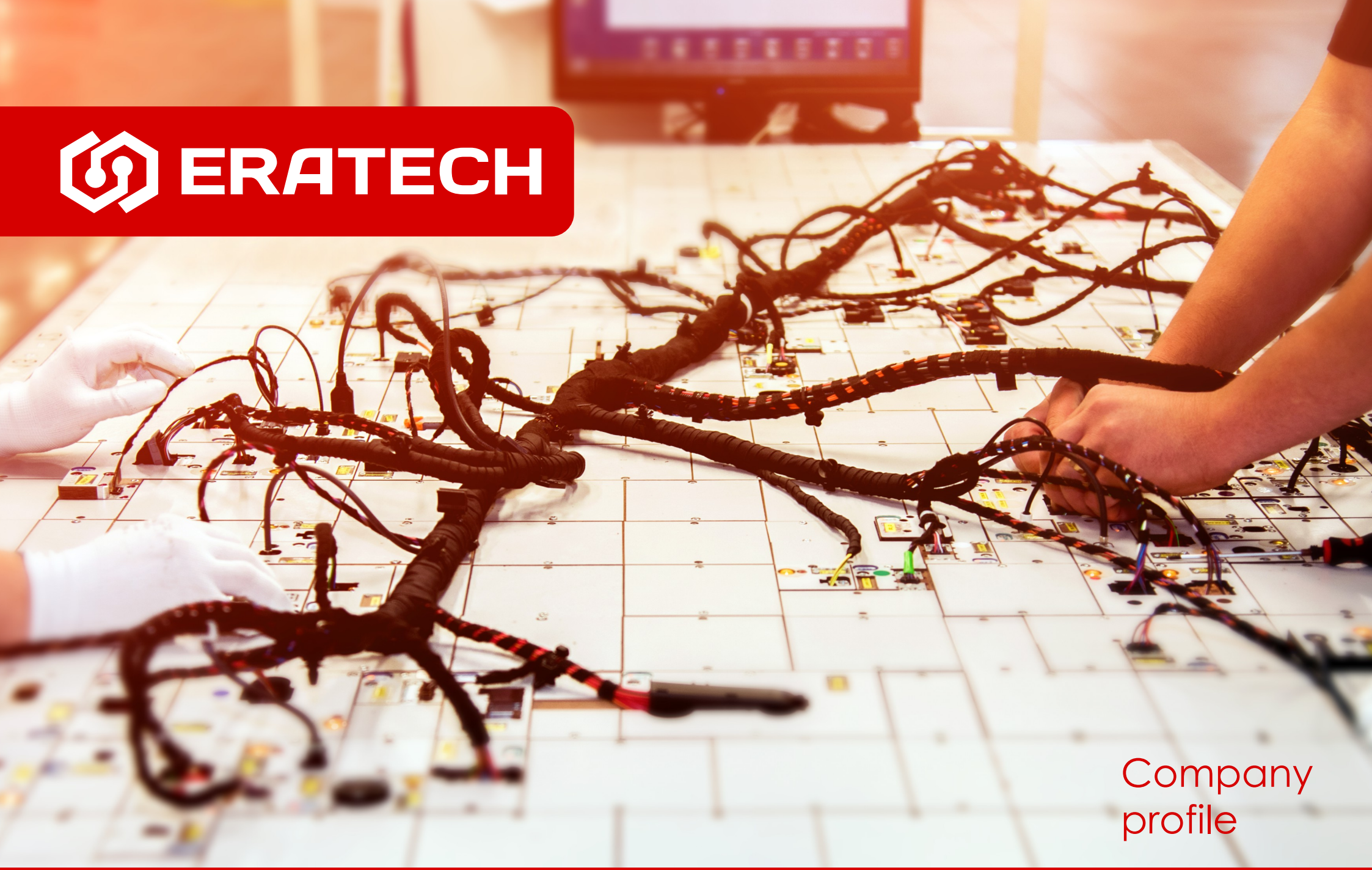


ERATECH

Company profile

Cable harnesses | Electromechanical Assemblies

ERATECH | About Company

The company **Eratech s.r.o.** is a Czech engineering and manufacturing company founded in 2018, focused on custom and low-volume production of cable harnesses, electrical assemblies, and related technical solutions for demanding applications. We build on a practical engineering approach, a strong focus on functionality, and the ability to transform technical requirements into reliable and manufacturable solutions.

The company's roots are based on a strong electrical engineering background and hands-on experience in electronics, diagnostics, and technical solutions in the automotive sector. Over time, this experience naturally developed into a specialization in cable harnesses and electrical assemblies for technically demanding, non-standard, and individually tailored projects. ERATECH has gradually established itself as a partner for customers who are not looking only for a manufacturer, but for a company that understands the technical assignment and can turn it into a functional result.

Today, we focus primarily on projects for the defence industry, special and combat vehicles, and motorsport — areas where cable harnesses and electrical assemblies must meet high demands for reliability, durability, precision, and long-term performance. In these applications, not only the quality of the final product matters, but also the ability to consider the solution in a broader context — from design and component selection to practical implementation and production integration.

An important part of our know-how is the production of Raychem-based cable harnesses designed for demanding operating conditions, where mechanical resistance, robustness, high-quality workmanship, and long-term reliability are essential. This type of harnessing is used where standard solutions are not sufficient and where a high level of execution and confidence in reliable operation under load, vibration, and temperature changes is required.

In addition to manufacturing itself, we also provide technical support throughout the project. We assist customers with harness design, component selection, optimization of design solutions, improvement of manufacturability, and implementation of new solutions into production. This allows us to be valuable not only when the documentation is complete, but also when a project needs further technical refinement or adaptation to a specific application and real production conditions.

Our strength lies in combining technical understanding with practical manufacturing experience. As a smaller company, we are able to remain flexible, respond quickly, communicate openly, and approach each project individually. We value fair cooperation, a personal approach, and responsibility for the work we deliver. Our goal is to provide high-quality, functional, and robust solutions that perform reliably in real operating conditions.

CEO
Jakub Tichý

ERATECH | Business Units

LAND SYSTEMS

- Mil Standard Cable Harnesses
- CAN-BUS Vehicle Control System
- Harness Testing & Validation
- Electromechanical Assemblies
- Control Units
- Power Supply & Distribution

AEROSPACE

- Interconnection Cables
- Engine & Airframe Harnesses
- Control Panels

MOTORSPORT

- Engine & Chassis Harnesses
- CAN-BUS Vehicle Control System
- Switch Panels & Driver Controls
- Data Logging & Analysis
- Custom Interface Boxes

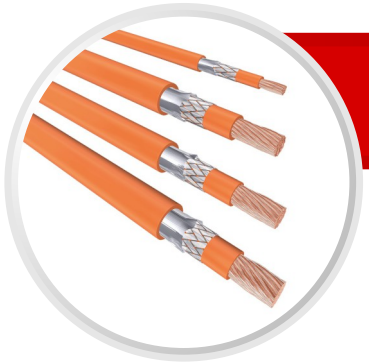
ERATECH | Land Systems

MIL-STD Cable Harnesses

Design and manufacturing of MIL-STD cable harnesses for harsh environments, including robust interconnection solutions, protected routing and high reliability assembly.

CAN-BUS Vehicle Control System

Support with CAN bus integration, harness design, bus termination, diagnostics, data acquisition and system validation.



Power Supply & Distribution

Power supply and distribution for electrical assemblies, including higher-power cable harnesses, robust design and suitable protection of individual circuits.

ERATECH | Land Systems

Control Units

Cable harnesses and enclosure solutions for control, interface and support units, including selection of suitable connectors and technical interfacing with third-party devices.

Harness Testing & Validation

Comprehensive harness testing and validation including continuity, resistance and high-voltage insulation testing using professional test equipment for complex and demanding cable assemblies.

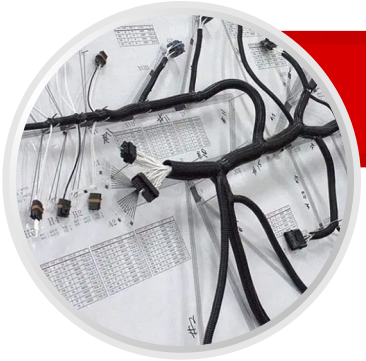
Electromechanical Assemblies

Assembly of electromechanical units combining cable harnesses, connectors, control elements and mechanical parts into reliable functional assemblies.

ERATECH | Aerospace

Interconnection Cables

Interconnection cables and cable assemblies for reliable electrical interconnection of systems, subassemblies and devices in demanding applications.



Engine & Airframe Harnesses

Cable harnesses for engine and airframe applications with focus on reliability, precise workmanship and suitability for demanding operating conditions.

Control Panels

Control panels for new applications, retrofit and modernization of existing systems, with focus on clear layout, reliable operation and practical use.

ERATECH | Motorsport

Data Logging & Analysis

Support with logging, evaluation and basic interpretation of operational data for function checks, condition comparison and better understanding of system behaviour.

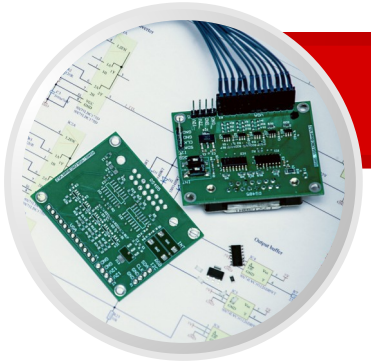
CAN-BUS Vehicle Control System

Support for CAN-BUS communication, harness interfacing, bus termination and operational data handling.

Engine & Chassis Harnesses

Engine and chassis cable harnesses manufactured according to supplied documentation, sample parts or specific application requirements.

ERATECH | Motorsport



Custom Interface Boxes

Interface boxes built according to specification, sample parts or specific application needs, including connector solutions and interfacing with other parts of the system.

Switch Panels & Driver Controls

Switch panels, driver control modules and driver controls according to application requirements, including new designs as well as modifications of existing solutions.

ERATECH | Services

Reverse Engineering

Reproduction and further development of cable harnesses based on an original sample, including measurement, analysis and preparation of production documentation.

Testing & Validation

Testing and validation - of cable harnesses and assemblies using dedicated test equipment for continuity, resistance and high-voltage verification. Our equipment includes the High Voltage HIPOT tester E for high-voltage and high-power cable harnesses with up to 512 test points, and the Komax CIRRIS 8100 continuity and resistance tester with up to 1256 test points. We focus on wiring accuracy, electrical integrity and reliable performance before delivery or production release.

Custom Solutions

Custom cable harness and electrical assembly solutions developed according to specific customer requirements, application needs and operating conditions. We aim for technically sound, practical and reliable results.

ERATECH | Quality

Manufacturing according to IPC/WHMA-A-620

Cable harnesses and assemblies are produced in line with IPC/WHMA-A-620 requirements, with focus on workmanship quality, consistency and inspection criteria.

Raychem-based harness solutions

Capability to manufacture harnesses using Raychem materials and processes for applications requiring high durability, environmental resistance and robust finishing.

Traceability

Traceability can be maintained across materials, components, production steps and finished assemblies, supporting control of manufacturing history and identification of used parts.

Inspection and verification

Harnesses are subject to inspection and electrical verification, including continuity, resistance and high-voltage testing according to project requirements.

Low-volume and custom production

Strong focus on custom, prototype and low-volume production with ability to react quickly to design changes and customer-specific technical requirements.

Cooperation with SA Group on aerospace projects Compliance

We are beginning a keypartnership with -Scandinavian Avionics S/A- we providemanufacturing and designservices in compliance withEASA aviation regulations.

Every one of our aerospacefocusedproduct leaves withan EASA Forem 1.

SA
The SA GROUP

- EASA Part-**145**
- EASA Part-**21J**
- EASA Part-**21G**

ERATECH | Contact

ERATECH

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