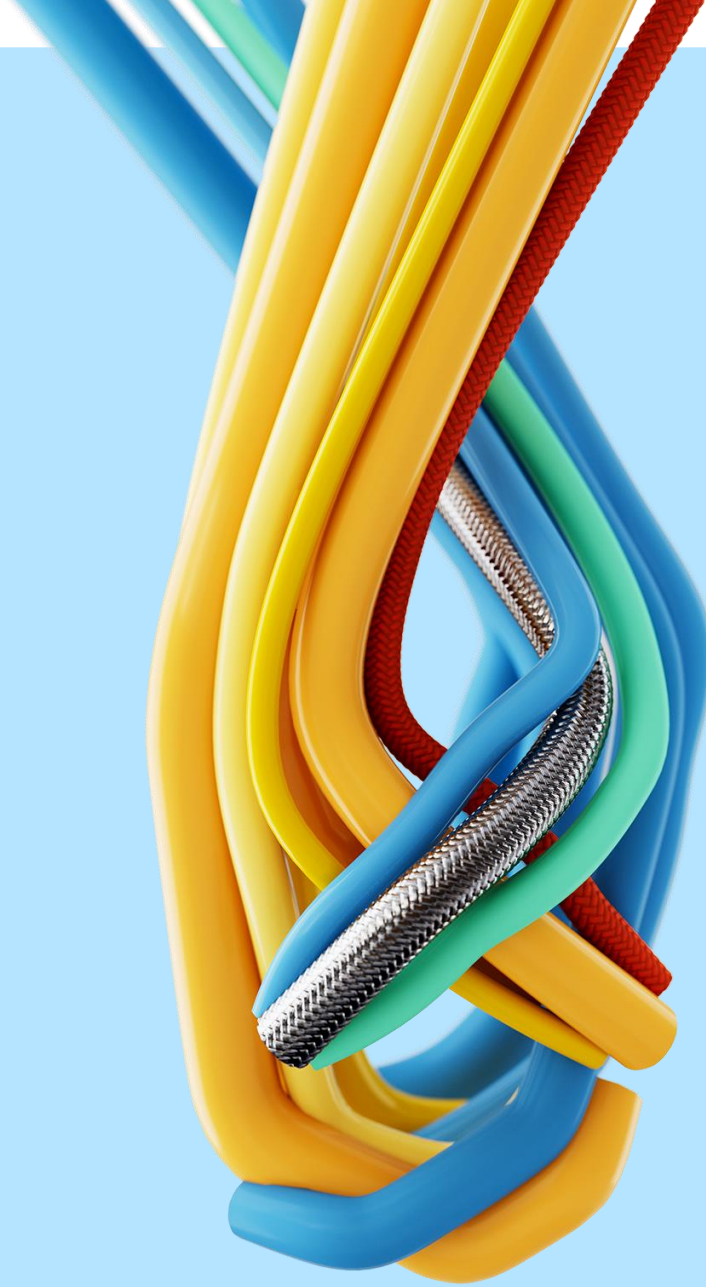


Habia

Solutions beyond the ordinary

Your partner for specialised cable
and connectivity needs.



"HEW-KABEL and Habia Cable share a long history as manufacturers of custom cables for demanding applications.

After completing the merger of the two groups, we look forward to work under one brand, ready to support our customers with the cable and connectivity challenges of today – and tomorrow."

Carl Modigh

**HEW
KABEL** 

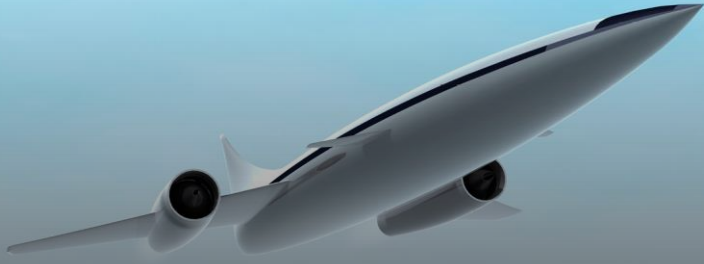
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Habia Cable

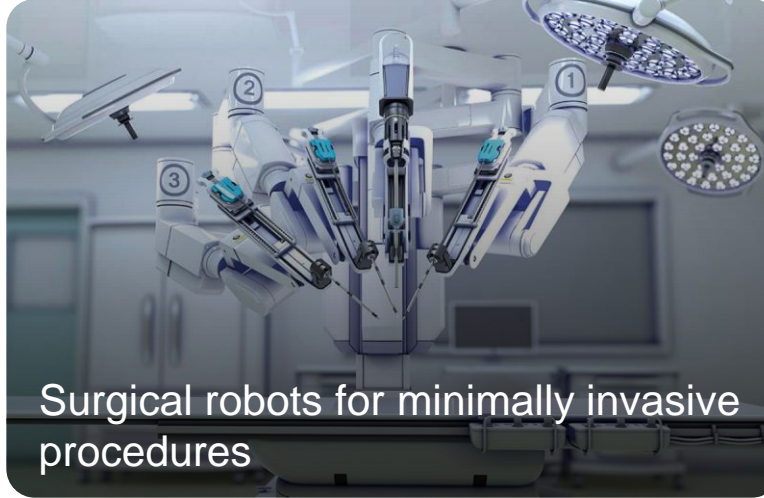
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Habia

Solutions beyond the ordinary...



Electric airplanes powered by clean hydrogen



Surgical robots for minimally invasive procedures



Submarines relying on sonars to detect the slightest man-made sounds



Sensors measuring and calibrating car engines to perfection, reducing emissions



Nuclear reactors generating clean energy for 60 years or more



Relentlessly productive industrial robots

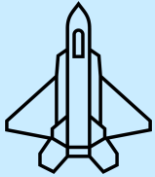


... require interconnect technologies that
can meet the toughest requirements

- Heat
- Cold
- Abrasion
- Smoke
- Water
- Oil
- Toxicity
- Flexibility
- High voltage
- Radiation
- Corrosion
- Acids
- Bases
- Bending
- Fuels
- Pressure
- Stretching
- Tension
- Interference
- Data transfer rates
- Electrical properties
- Dimensional tolerances

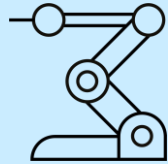
Our solutions are found in these areas...

Defence & Aerospace



Military-grade solutions designed for some of the world's toughest defence specifications

Robotics



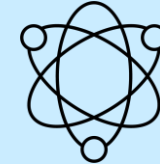
Robust and durable cabling solutions for all common robot types.

Marine



Marine-grade certified cables and harnesses for offshore applications.

Nuclear



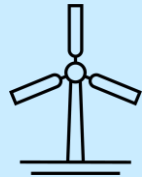
High specification range of safety-critical signal and control cables for installation inside nuclear power plant.

Medical



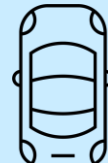
Wide range of medical sensor cables, including micro cables for ultra-sensitive applications.

Wind energy



Wide range of custom-tailored wires, cables, and harness solutions for wind turbine power applications.

Automotive



Customised wires and cables for exhaust aftertreatment and brake sensors.

Sensor technology



Custom cable solutions for sensors used in demanding automated environments.

...and many others

Habia

Global Coverage, local touch

We combine the speed and nimbleness of a local player with the resources and expertise of a global group.

Sales team

- China
- Europe
- India
- US

Agents & distributors

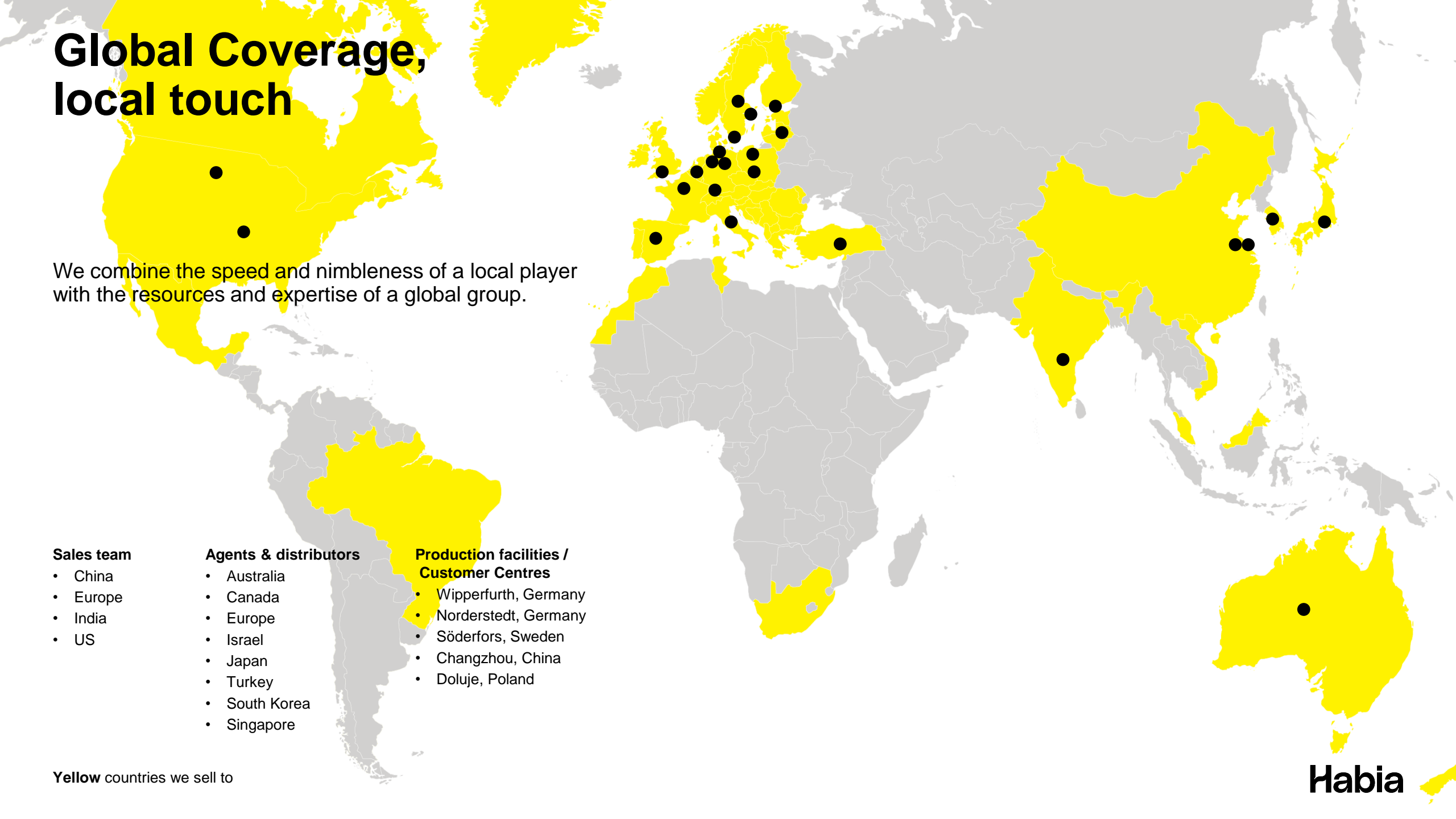
- Australia
- Canada
- Europe
- Israel
- Japan
- Turkey
- South Korea
- Singapore

Production facilities / Customer Centres

- Wipperfurth, Germany
- Norderstedt, Germany
- Söderfors, Sweden
- Changzhou, China
- Doluje, Poland

Yellow countries we sell to

Habia



Habia at a glance

~1,000

employees in
Europe and Asia

5

production
facilities

~10,000

products
sold / year

Sales to
~2,000

customers / year

Sales to
~60

countries / year

Turnover
~200

million Euro 2022

Five specialized production units in Europe and Asia



Söderfors, Sweden

- Advanced custom designed cables
 - Fluoropolymers and halogen free materials
 - E-beam cross-linked
- Defence, Nuclear, Offshore, Aerospace, Marine, Industrial...



Wipperfürth, Germany

- Advanced custom designed cables
 - PTFE and other fluoropolymers
 - Silicone and other halogen free materials
 - Micro cables
- Automotive, Industrial, Robotics, Wind, Medical...



Norderstedt, Germany

- Standard and custom fluoropolymer wires and cables
 - Melt and paste extrusion
 - Low MOQs and short lead times
- For general use in demanding applications



Changzhou, China

- Custom and standard wires and cables
 - PTFE and other fluoropolymers
 - Halogen free materials
- Telecom, Automotive, Industrial, Marine, Robotics, ...



Szczecin, Poland

- Cable harnesses
 - Moulded connectors
 - Special solutions
- Defence, Industrial, Offshore

Key functions at each factory:

- Engineering
- Order administration
- Procurement
- Planning
- Manufacturing
- Logistics
- QA

125 years of creativity and innovation

We are building on a strong foundation, uniting two dynamic and innovative speciality cable groups, each with its own entrepreneurial legacy. By harnessing our collective knowledge, pooling our resources, and expanding our global reach, we can serve our local and global customers even better than ever.

Habia Cable

1941
Founded in Stockholm, Sweden by Carl "Charlie" Herbert Jacobson to make Bakelite components

1945-55
One of the first in Europe to manufacture components in PTFE

1969
Habia opens first international sales office in Breda, Holland followed by sales and production companies in Europe, Asia, and the US

1977
Habia is sold to Beijer Sponsor, which continues the international expansion until the mid-1980s. New factories were set up, each with a different product focus. Sales offices were also established in France, Germany, UK, Spain, Belgium and the US

1980
Establish first Cable Systems Department. Pressure-tight glands for submarines are the first products manufactured

1985
Habia is split up. Beijer Alma, controlled by Anders Wall, acquires what becomes Habia Cable

1985-90
Other parts of Habia end up as Axon Cable, Habia Technoflour, and parts of General Cable, PolyOne and Optinova

1990
The coaxial wonder cable Flexiform™ is introduced, a solution that revolutionises the antenna industry

1997
The Cassini Orbiter begins a journey to Saturn with special cables from Habia Cable

Isotec Kabel GmbH

1973
Founded by Wiltrud Haas and Martin Schächter in Norderstedt, near Hamburg, Germany

1950-57
First cable are manufactured

HEW-KABEL

1964
HEW-KABEL is founded by Heinz Eilertrop in Wipperfurth, near Cologne, Germany, and managed as a family business for 34 years

1969
Move to the new (current) location in Wipperfurth, Klingsiepen

1982
Introduction of PTFE tape in oval shape

1984
Konfektion E founded in Kreßberg-Marktstutenau

1987
Start of production of HEI-TAPE® (Gore-Tex)

1998
Company takeover by CTD Group

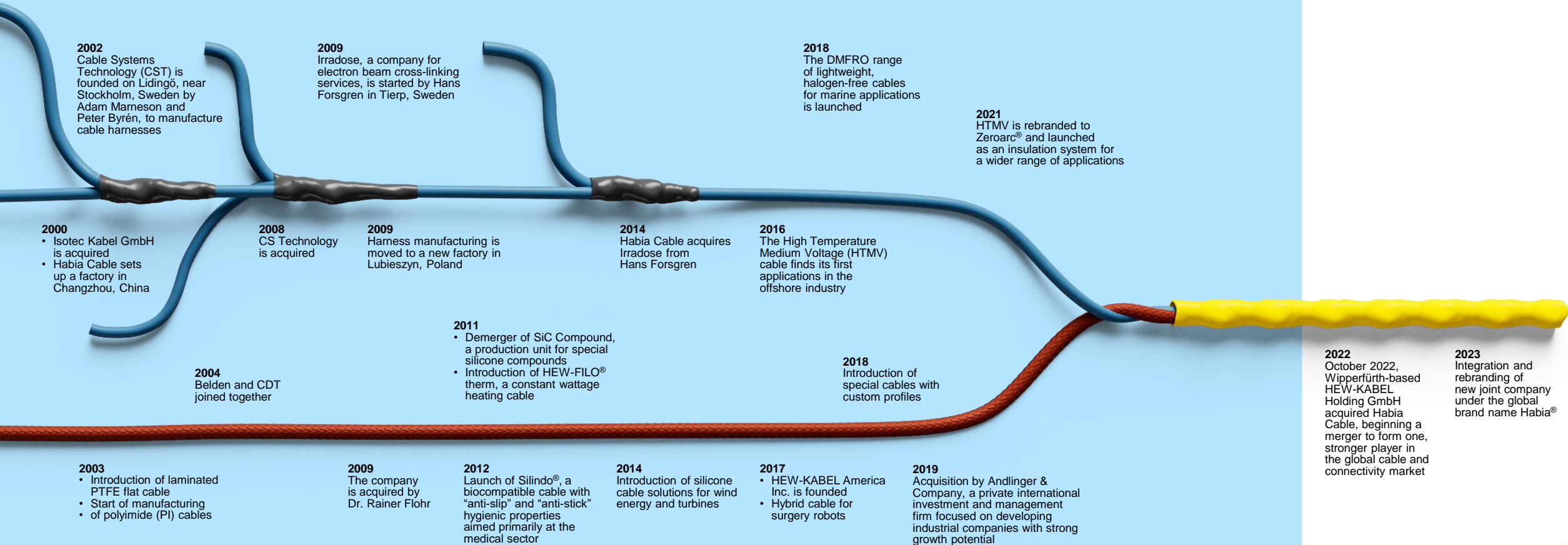
2000
Low-noise cables

Optinova

PolyOne

Axon Cable

Habia



Solutions for demanding applications

Products

Special cables

Special wires

Cable harnesses

Specialties

Miniaturization
Radiation resistance
High voltage

Flexibility
Chemical resistance
Low noise

Temperature resistance
Water blocking

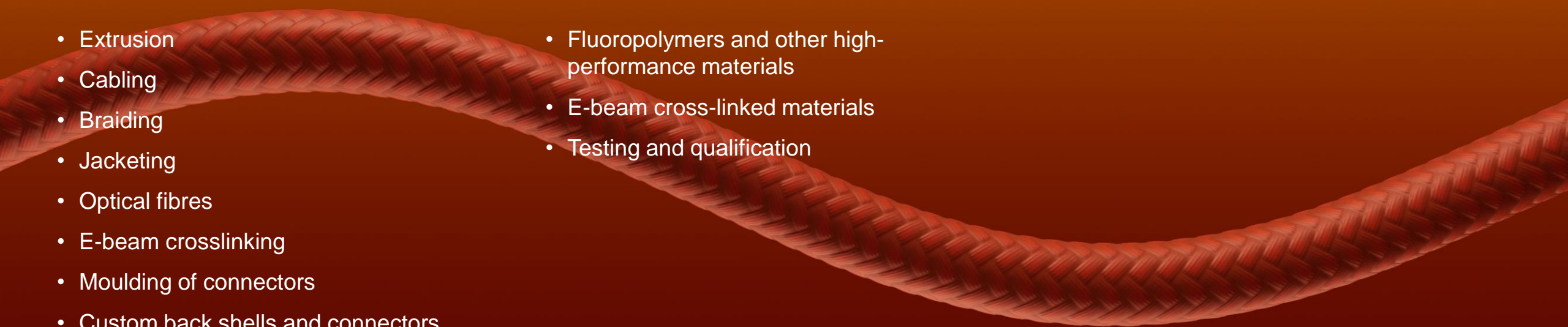
Advantages

Custom solutions
High quality

Partnership
Global delivery

Technical expertise
Small to large volumes

Capabilities

- 
- Extrusion
 - Cabling
 - Braiding
 - Jacketing
 - Optical fibres
 - E-beam crosslinking
 - Moulding of connectors
 - Custom back shells and connectors
 - Electrical, mechanical, chemical and fire testing
 - Low-cost manufacturing
 - Fluoropolymers and other high-performance materials
 - E-beam cross-linked materials
 - Testing and qualification

Strong commitment to quality

Quality systems in use across the group

- ISO 9001-2015
- ISO 14001
- ISO 50001
- ASME NQA-1 (nuclear)
- US NRC 10 CRF 50 Appendix B (nuclear)
- VDE/VG (defence)
- EN9100 (aerospace, ready 2024)
- Customer-specific Quality Assurance Plans

Selected product approvals



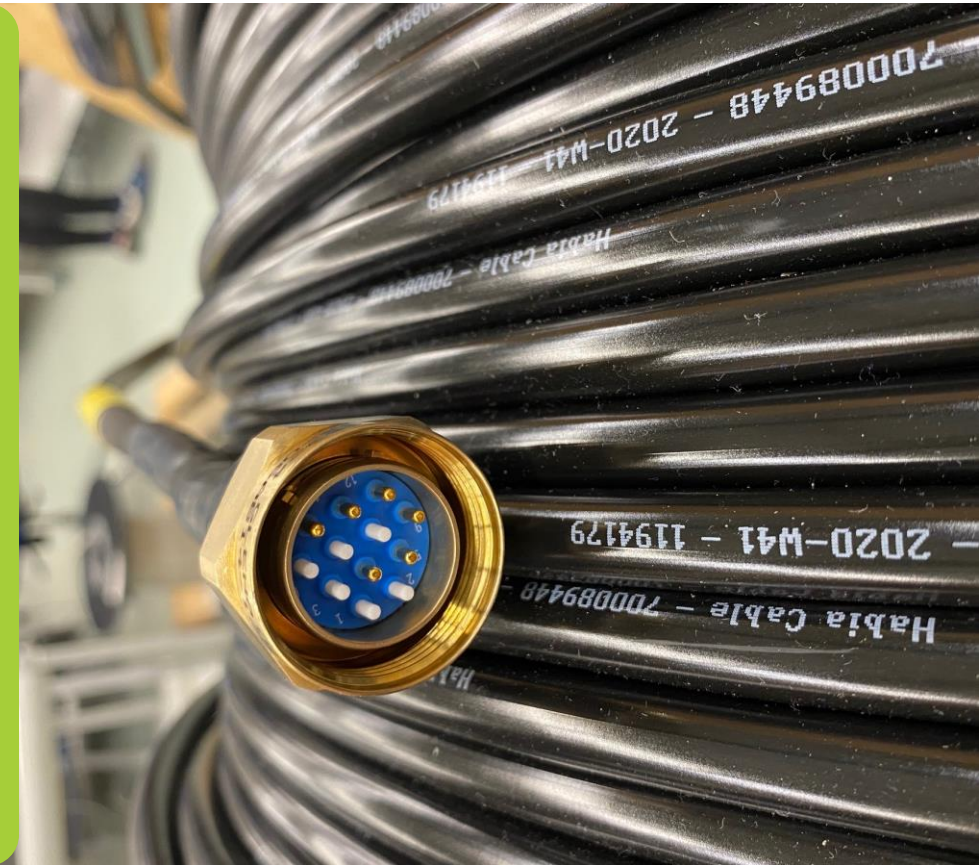
Cable harnesses: In-house production with polymer expertise

- Cable harnesses for
 - Harsh industrial applications
 - Defence vehicles, communication systems, weapon systems, sonars etc.
 - Submarine use
- Build-to-print or engineering and development of new solutions
- Small to medium batch sizes
- Projects and repeat orders
- Manual soldering, moulding techniques, spiralization, hybrid and fibre optic harnesses
- 100% quality control



Cable harnesses: Special capabilities

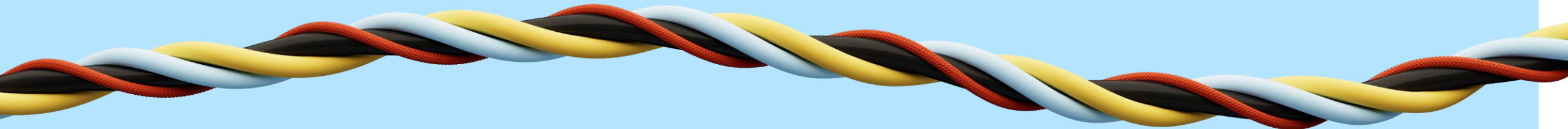
- **Two component** moulding and/or high pressure moulding
- **In-house developed** and manufactured connectors for shallow water applications (10 bar)
- **Fiber optic harnesses** for high-quality connectivity
- **In-house design** and production of moulding tools
- **Pressure tank testing**
- **Low and medium** voltage cable systems
- Cable systems for **deep sea applications**



A true partner in the design, development and manufacturing of connectivity solutions.

Why Habia

- High-quality cable and harnesses solutions to meet your every need
- Specialists in solutions for demanding applications and harsh environments
- Extensive knowledge – electrical and material expertise
- Broader capabilities – extended product and material portfolio
- Global manufacturing, sales, service and delivery
- R&D lab capabilities – testing new polymers, electronics, etc.



Our owners

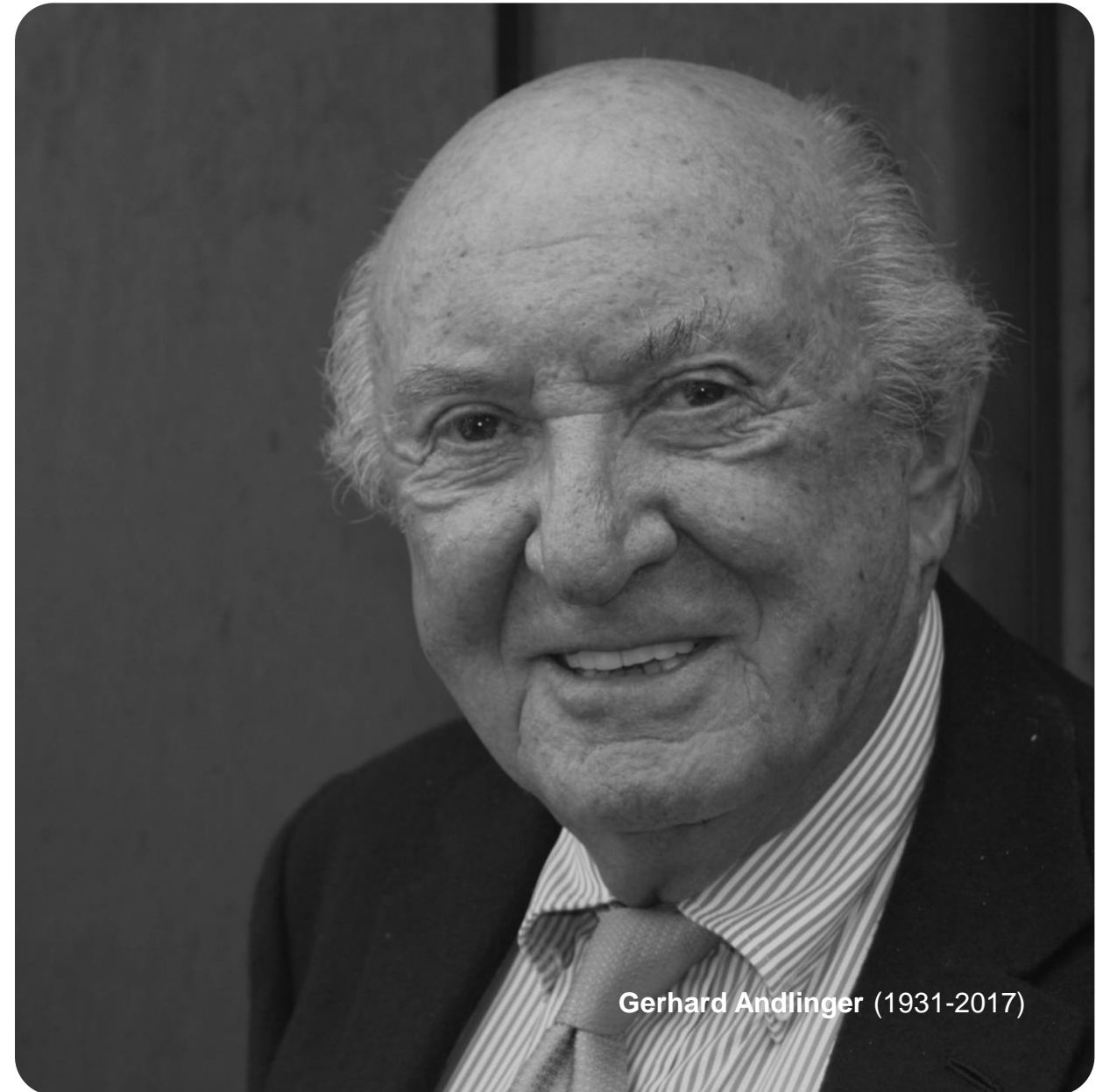
Andlinger & Company

Background

- Established in 1976 by Gerhard Andlinger
- Active industrial approach
- Our partners have held executive positions in various industries
- Funds required for acquisitions are raised by our partners, personally – no Private Equity Funds
- Offices in Vienna, Brussels, New York and Florida

Investment focus

- Businesses with a turnover of more than EUR 80 million and an equity value of up to approx. EUR 150 million
- Controlling position mandatory
- Focus on non-core activities of corporations, on family businesses and on special situations
- Primary focus on industrial production processes, specialized machinery & engineering, production of technical devices, technology



Gerhard Andlinger (1931-2017)

Andlinger & Company Investments

Current investments:

HEW-KABEL & Habia Cable	<i>High end specialty cables & wires</i>	2019
	<i>High end specialty cables & harnesses</i>	2022
ETI Elektroelement	<i>Circuit protection, switchgear & complementary solutions</i>	2016
Mesa Parts	<i>High quality precision turned parts & assemblies</i>	2021
CPI	<i>Customized plasma surface treatment</i>	2015
Crown Van Gelder	<i>Specialty paper manufacturer</i>	2015
Eska	<i>Top quality graphic board producer</i>	2013
Eurolasma	<i>Customized vacuum & low pressure plasma surface treatment</i>	2018
Spooler	<i>Web and roll goods processing equipment</i>	2005

What customers say about Habia...

“We are grateful for a long, reliable and good cooperation. Habia supports its customers in way that we seldom experience from other suppliers”

OEM, food processing equipment

“Their high-voltage cable experts teamed up our EV Team to find unique, resilient and temperature-resistant connectivity solutions”

Supplier to Electric Vehicle manufacturer

“The customer and technical service is very competent and attentive to our demands. The products are of good quality and to be recommended”

*Connector & harness manufacturer,
defence industry*

“For us, they’re more than just a high-quality supplier. Their team is good at partnering to develop and customise various medical grade PTFE tapes, for example, while making sure we always comply with the latest international standards.”

European medical OEM

“We really appreciate the relationship we have with the Habia team and the efforts they go to to, to resolve issues quickly.”

Distributor and harness manufacturer

“I am very pleased with the service provided by Habia. I would not hesitate to recommend them.”

OEM, Defence industry

Habia

Thank you.