

proximity
curiosity
performance  **LAPP**
trust
innovation

Our vision.

Reliably Connecting the World

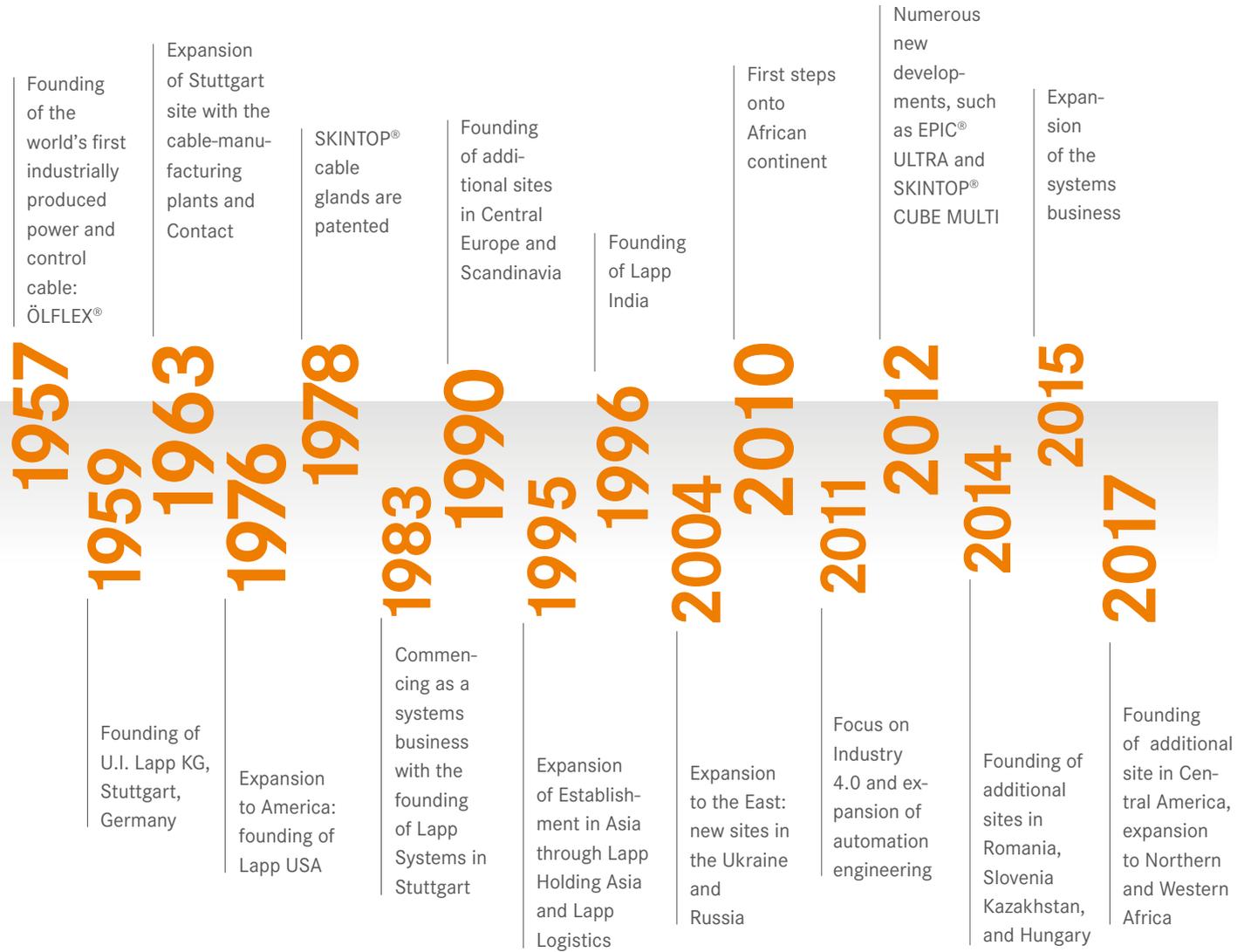
You can't measure customer proximity in kilometres or miles. As a family company, founded and headquartered in Stuttgart, Germany, LAPP offers much more than a fast solution to your electrical challenges: you can be assured of personal attention from trustworthy, cooperative colleagues. The result? On-target and reliable connectivity solutions precisely tailored to your needs.

Five individuals.
Three generations.
One family.

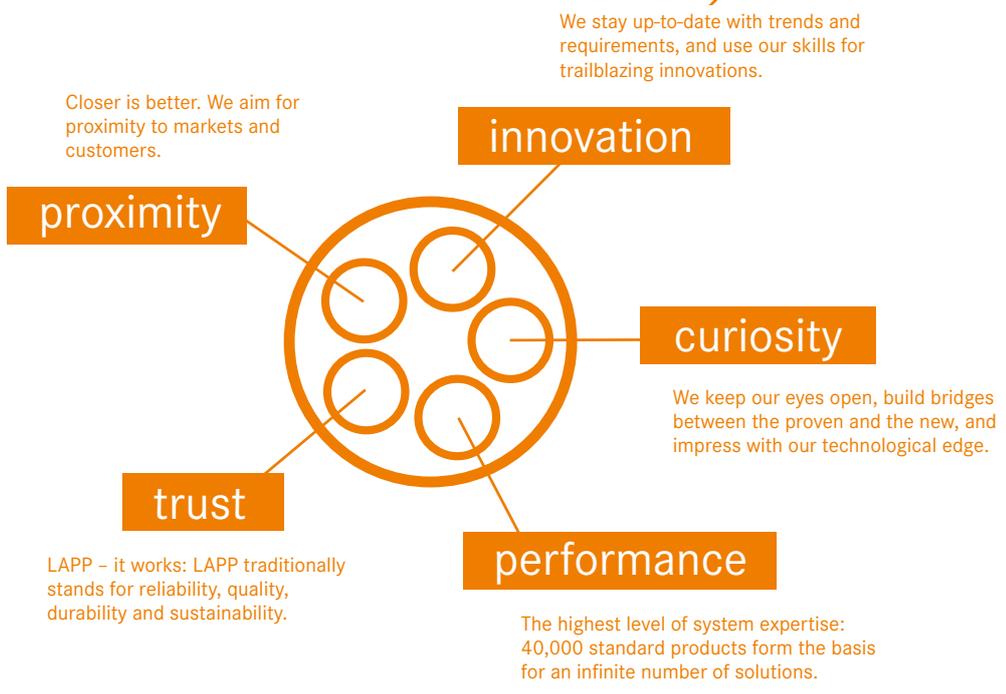


Andreas Lapp,
Matthias Lapp,
Ursula Ida Lapp,
Alexander Lapp,
Siegbert Lapp.

How we've developed since 1957



Who we are.





**Innovative
technology.**



For the world
of tomorrow.

Patented mandrel gripper in the logistics centre LC6

innovation

Thinking and acting with the future in mind: this is a fundamental part of LAPP's DNA. Being successful in the long terms means building on past success. The world is moving ever faster, and the demands of the global markets are constantly changing. We are always looking out for our customers. Our finely-tuned sense of trends and markets allows us to develop products today that will be used all over the world tomorrow. While doing so, we place immense value on protecting the environment and on sustainability.

ENERGIES OF THE FUTURE

LAPP focuses on sustainability

There's an increasing demand for energy all over the world. Whether we're sitting at our computer, charging our phones, listening to music, drying our hair or cranking up the heating – we need power and heat virtually around the clock. Much of this need is met by the combustion of fossil fuels such as coal, crude oil and natural gas. Focus is increasingly turning to alternative energies that won't contribute to climate change and will meet demand without jeopardizing the environment or the energy supply for future generations. LAPP has been focusing on this challenge for many years now, developing connectivity concepts and demand-based solutions in wind energy, photovoltaics and mobility – from detached family homes right up to large-scale plants. Our tradition also incorporates identifying the potential of new markets and tapping this potential through sustainable energy, in Germany and the rest of the world.

TREND/HIGHLY DYNAMIC APPLICATIONS

New in the range: Lightning fast cables for track applications

Four requirements: Low weight, high acceleration, compact dimensions and a long service life. With LAPP's premium cables for servo and cable track applications, the right choice for your need is in our reach.

Not only do our innovative cables for cable tracks offer favorable speed and efficiency, they enable productivity improvements through faster position changes for cable track systems.

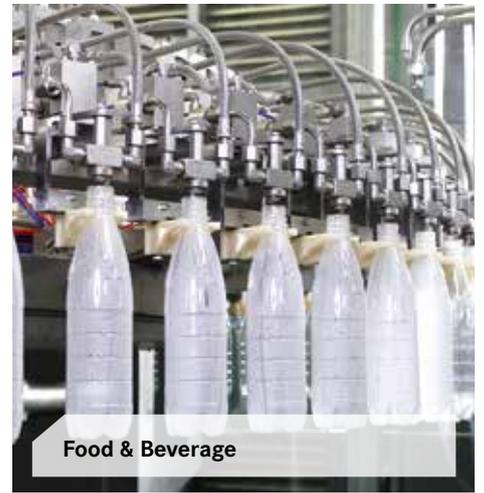




Industrial Machinery & Plant Engineering



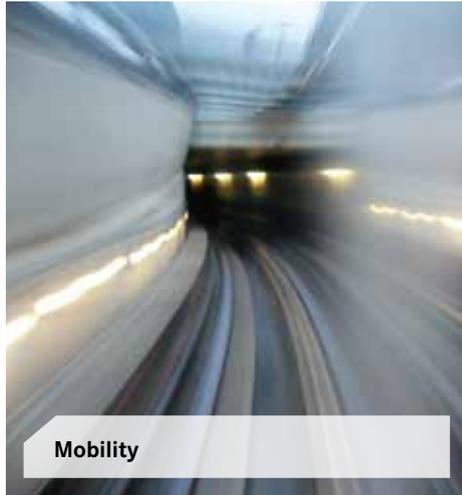
Automation Technology



Food & Beverage



Power



Mobility



INDUSTRIES

Broad range of expertise

LAPP supports many industries with short development cycles, intelligent networking and solutions from a single supplier. Industrial machinery, plant engineering and automation technology are applications running successfully with LAPP solutions for years. Our con-

nectivity solutions don't shy away from the steam and high pressure found in the food & beverage industry either. The same can be said for the adverse effects of heat, cold, moisture and torsion that wind turbines and photovoltaic systems have to withstand. Power and control

applications have been our strength from the very beginning. LAPP's innovative solutions extend to the transportation industry too - from charging systems for electric vehicles to electron beam cross-linked cables for the railway.

TREND/MOBILITY

On track to success

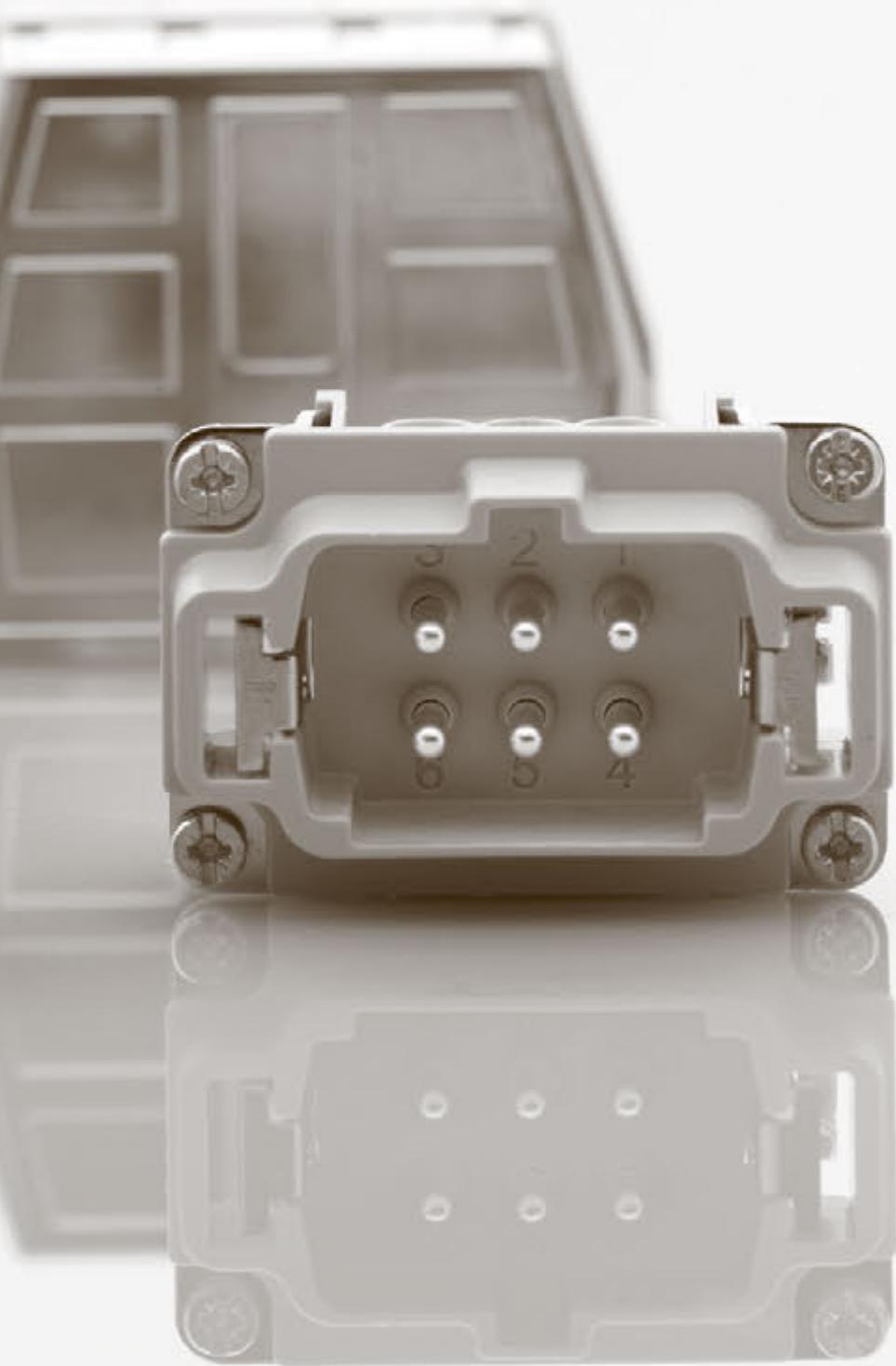
On December 7, 1835, the legendary "Adler" was the first steam locomotive to trundle along German soil as it made its way from Nuremberg to Fuerth. It was truly a revolution within the field of transportation. Today's desire for maximum efficiency and minimal dependence on fossil energy sources are bringing about a renaissance in railway travel. This has given rise to completely new concepts in transportation. LAPP has its finger on the pulse of innovation with solutions such as electron beam cross-linked cables and perfectly coordinated connectors.



**Modern
technologies
for a modern world.**



Keeping on top
of cost and energy
efficiency.



curiosity

Our modern world has a great need for modern connectivity technologies. Over 600 LAPP experts worldwide are working on more and more new solutions for more and more challenges. Our R&D engineers team up with knowledgeable sales and marketing professionals to develop the best and most sustainable concepts. On-going innovation is driven by the desire for continuous improvement, together with curiosity about different ways of thinking. All while meeting goals for cost and energy efficiency. This is the expectation of our global customers.



ÖLFLEX® has become synonymous with power and control cables. Our flexible and oil-resistant cables satisfy the highest demands and can withstand even the very toughest conditions.



Our high-quality UNITRONIC® data network cables and field bus components provide a forward-looking solution for all applications in industrial machinery and plant engineering. From transmission of simple control signals to field bus signals in complex network structures – we offer a dependable cabling and connection solution for almost every situation.



Our ETHERLINE® branded products open up a secure, fast and reliable path to the future of Ethernet e. g. PROFINET® applications. The systems are made up of durable and robust cables and connection components for passive and active network technology, and deliver an effective solution for almost any application, particularly in an industrial environment.



HITRONIC® fibre optic cables make transmitting large data volumes easy: fault free, bug proof and at almost light speed. Even electromagnetic radiation does not interfere with the transmission. The HITRONIC® range includes the ideal solution for indoor or outdoor use, for demanding conditions, and even for use in power chains.



PORTFOLIO

Our products make connections – even to the world of tomorrow

What links the new opera house in Beijing with the Øresund bridge in Scandinavia? What do the Pyramids of Giza have in common with soft drink bottling plants? What does the Rolling Stones stage technology share with the world's largest wind power plants? It's quite simple: they are all connected using LAPP products. To develop the best products, you must be cu-

rious, demonstrate a pioneering spirit and be able to think big. You must also take the time to put this curiosity into action. We have taken over 50 years to get to where we are today, with over 40,000 standard products. In that time, we have followed industry trends and reacted quickly in the face of changing requirements. Reacting with individual solutions and maxi-

mum development expertise within cable and connection technology. These days, we can offer the right solution to meet all our customers' requirements. From a standard product to a customized production; from the smallest cable gland to the largest data stream – we can do it all. Anywhere in the world.



EPIC®

EPIC® industrial connectors can be found everywhere in industrial machinery and plant engineering, for measuring, control and drives. EPIC® is a flexible system of housings, inserts and contacts: all extremely robust, absolutely safe and simplicity itself to assemble.



SKINTOP®

Simply feed in the cable and twist. That's it. Our SKINTOP® cable glands provide secure connections in no time. The universal systems are simple but effective. They secure and centre the cable, hermetically seal it and guarantee optimum strain relief.



SILVYN®

The universal range of SILVYN® protection and guidance systems protect cables effectively against dust, moisture, mechanical, thermal and chemical influences. The versatile SILVYN® CHAIN range of energy supply chains also protects and guides cables in dynamic applications.

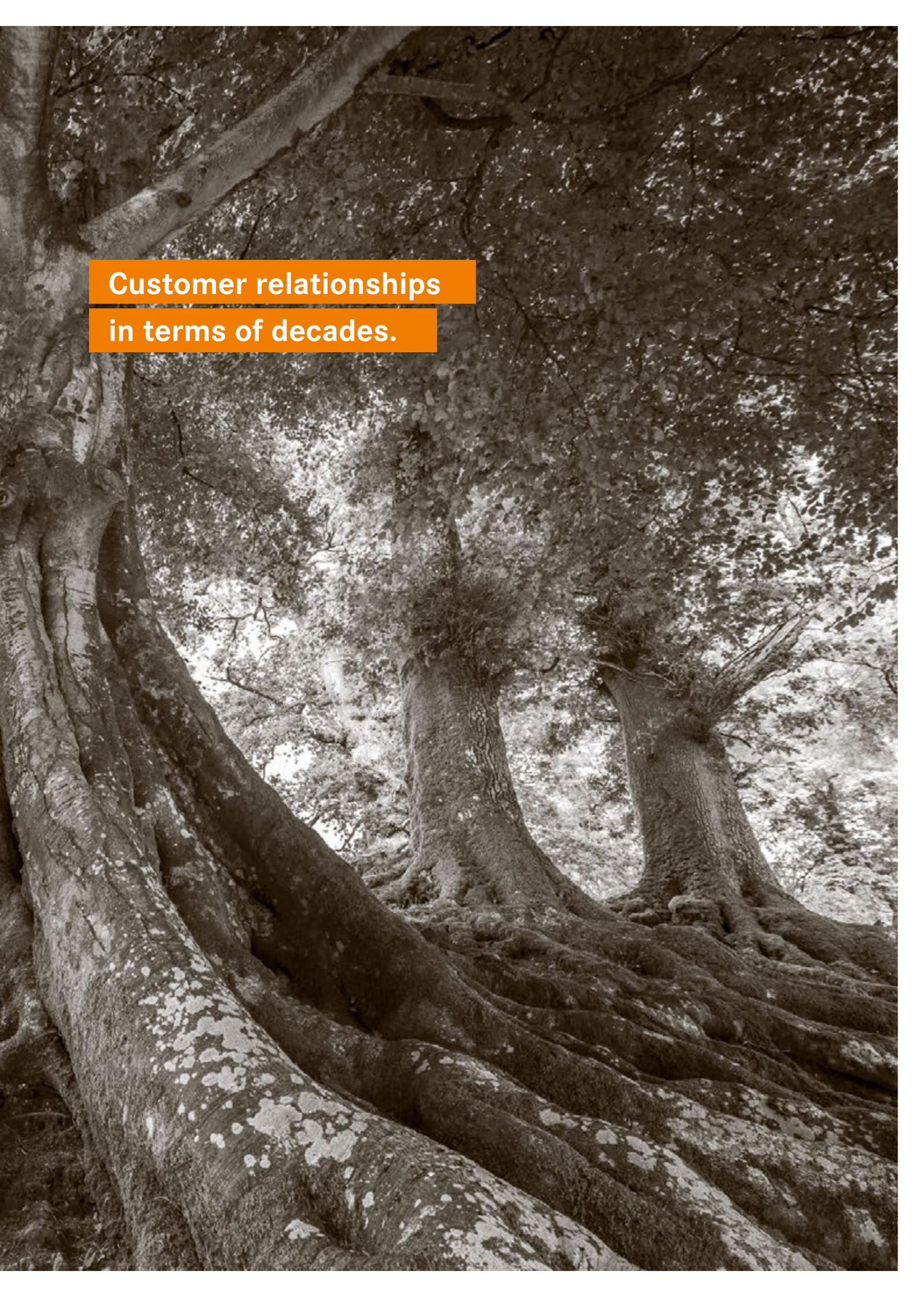


FLEXIMARK®

The requirement: permanent marking. The solution: FLEXIMARK®. These sophisticated systems mean that a clear overview inside a control cabinet is no longer just a pipe dream. From simple labels for manual markings through to electronic markings, the FLEXIMARK® range is guaranteed to be permanent.



**Service is measured in
terms of seconds.**



**Customer relationships
in terms of decades.**

performance

LAPP is a specialist in integrated solutions for connectivity technology and is also a world-leading system provider for cables and accessories. Whether you want reduced storage costs, reliable machine times, lower maintenance costs or simply need to be able to reduce risks, LAPP system solutions are always a safe bet. Rather than tell you, we show you our many long-standing business relationships with satisfied customers and partners all over the world.

LOGISTICS

On time delivery

Who actually likes waiting for a product, service or solution? We won't leave you waiting, as we guarantee a quick delivery. All over the world. We also have a close-knit network of logistics

centres and professionally trained consulting experts. With hi-tech logistics, we guarantee a smooth delivery service.

SERVICE

Time for you

Our customers are important to us. That's why we make lots of time for them. Time to fully understand their wants and needs; time to offer the right solution. We are absolutely convinced that this is the only way to forge a long-term partnership beneficial to both sides.

SUSTAINABILITY

Always a good thing

Technological advancement and ecological sustainability will never be overlooked. That's why we are environmentally conscious regarding natural resources.



ÖLFLEX® CONNECT

Systems Solutions made by LAPP

With our systems service ÖLFLEX® CONNECT, we offer customized cabling solutions assembled exactly to your requirements.

Everything is possible - from cable assemblies to industry standard servo connections right up to sophisticated high-speed drag-chain systems. Do it all with ÖLFLEX® CONNECT. **Systems Solutions made by LAPP.**



ÖLFLEX® CONNECT CABLES

Cable Systems made by LAPP



ÖLFLEX® CONNECT SERVO

Servo Systems made by LAPP



ÖLFLEX® CONNECT CHAIN

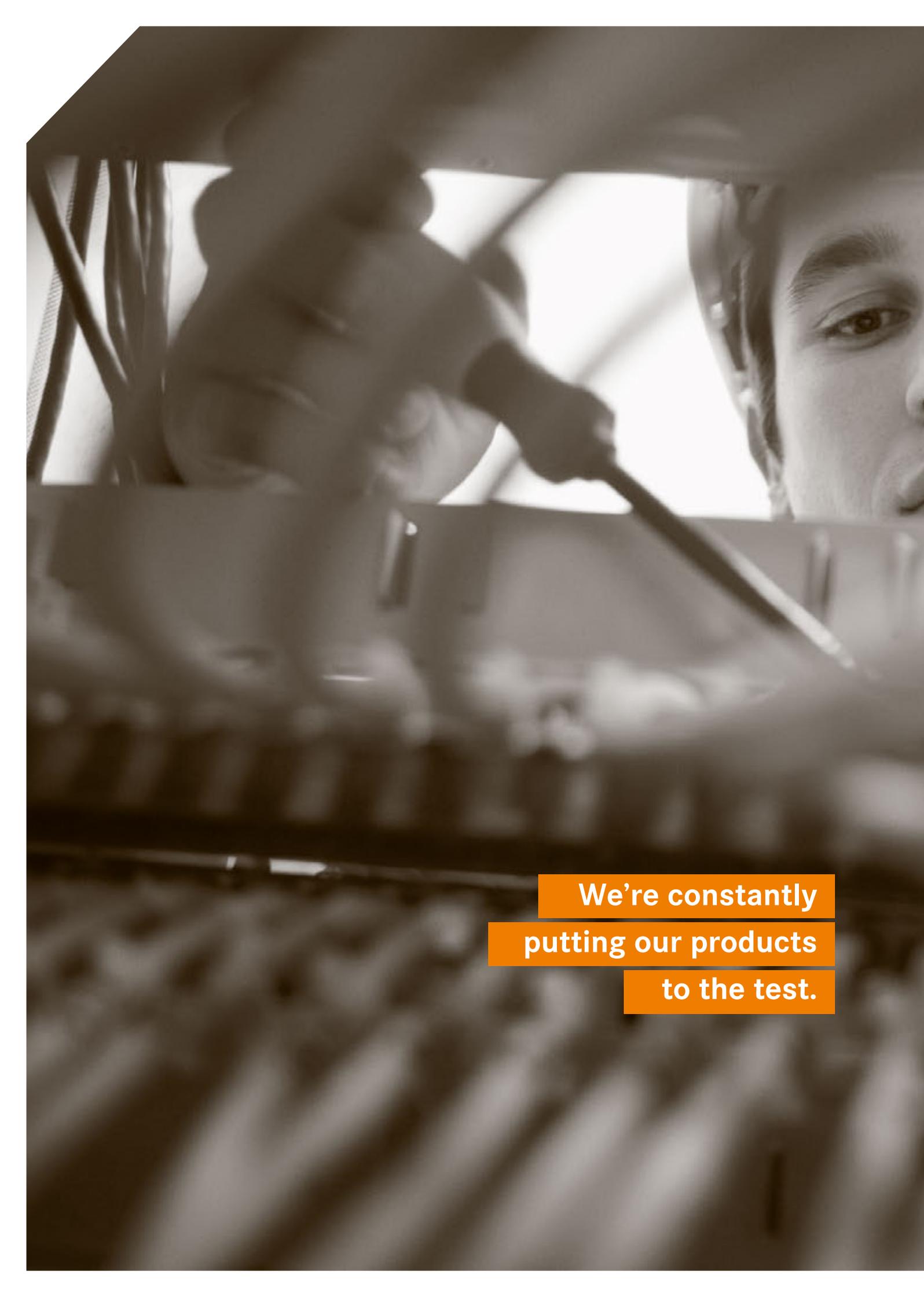
Chain Systems made by LAPP

INFOBOX

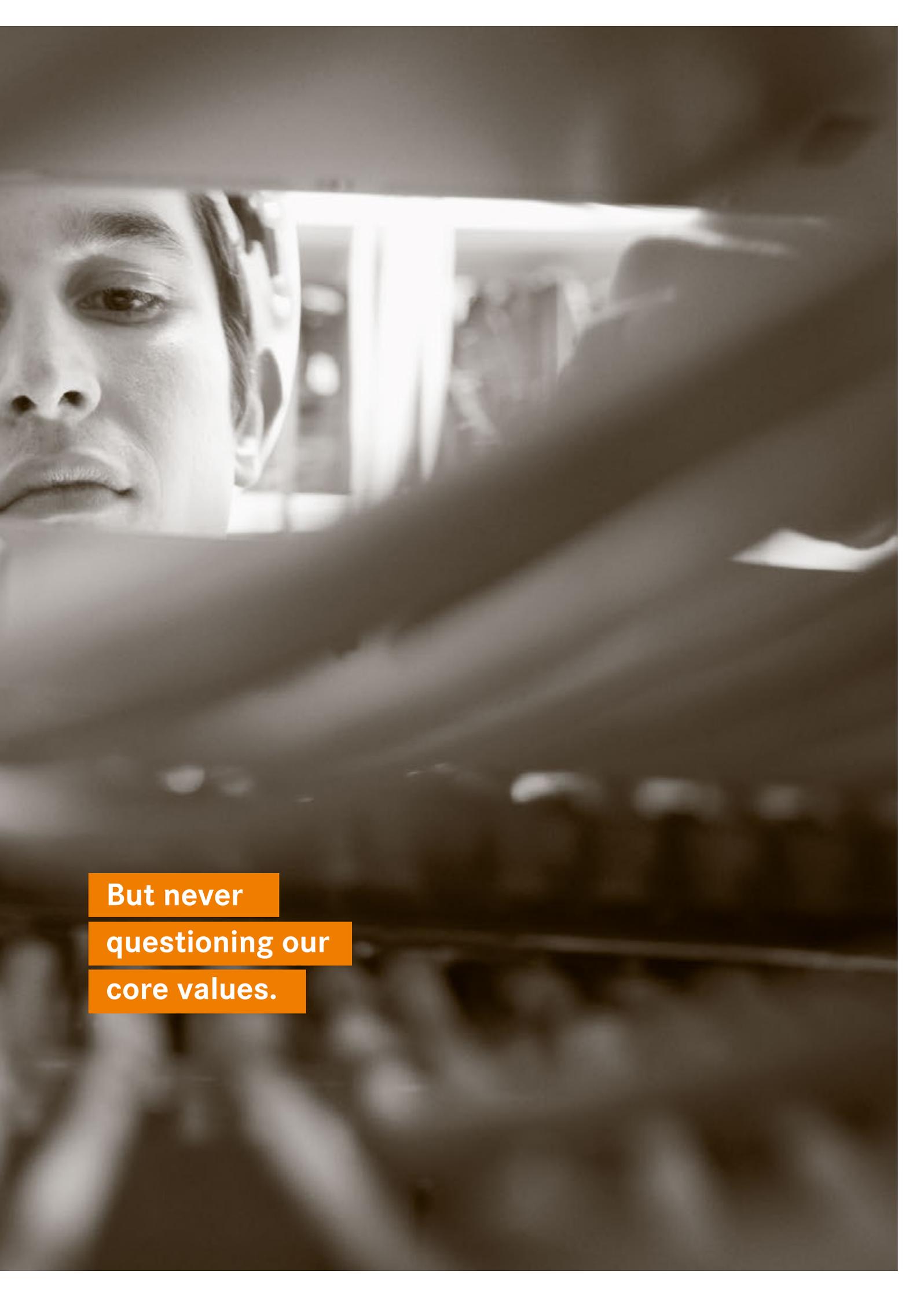
ÖLFLEX® CONNECT

Expanding cable assembly, giving better advice to customers and standardising global activities - these are the ideas behind ÖLFLEX® CONNECT. To this end, LAPP is building up its engineering, production and assembly capacities in America, Europe and Asia.





**We're constantly
putting our products
to the test.**



But never

questioning our

core values.

trust

Along with committed and loyal employees, the greatest advantage a company has is the trust of its customers. Satisfied customers are the foundation of our company's success. LAPP strives to be the 'go-to' design and supply partner for our customers in every corner of the world. A trustworthy, reliable partner. As trust is earned over time, it's our primary focus. You can be assured that customer needs come first. Always.

QUALITY

Recipe for success – in-house production

Your demands are higher than ever. Our innovations satisfy even the strictest requirements because of our branded products – varied as they may be – always include two inherent components: expertise and innovation.

Our developments are produced by our own hands. We serve your needs directly from 18 production facilities across America, Europe, and Asia.

CERTIFICATIONS

For us, good is not good enough

Our products are used in virtually every industry. They are frequently found in the most sophisticated machines of their type. Machines that operate around the clock – where downtime is not an option. But it's not just in major machinery where you need to be able to rely on the smallest of connections. It's everywhere. As evidence of LAPP quality and reliability, our products carry the world's strictest approvals.

LABORATORY AND TEST CENTRE

Bend, but don't break

Highly flexible cables have to withstand millions of bending cycles at different speeds and with extreme bending radii. And that's not all, because they need to resist mechanical stresses and chemicals too. Our laboratory and test centre assures performance, by:

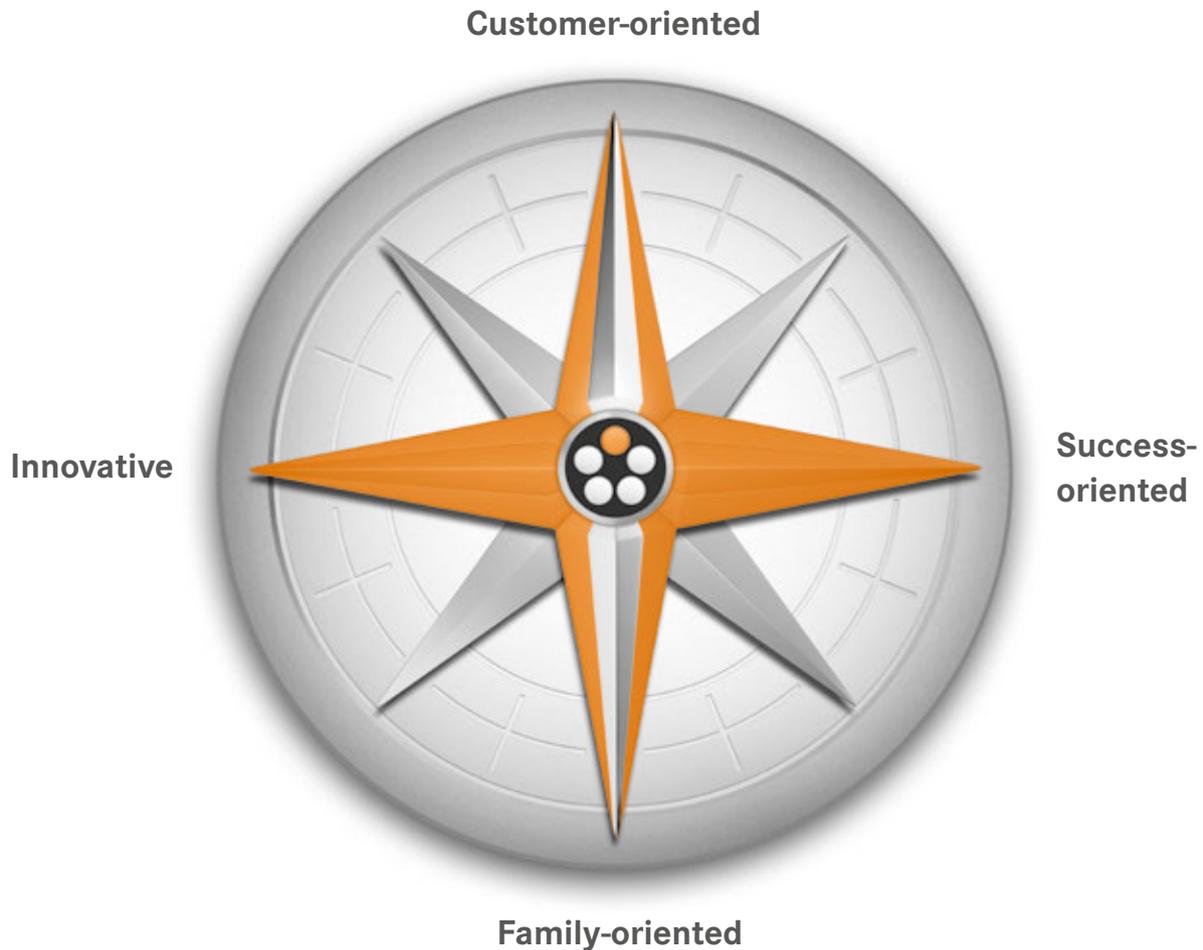
- Testing of tear resistance and tensile strength, resistance test, electrical test, fire tests
- Endurance testing of highly flexible cables under extreme stress
- Testing of cables in cable tracks of varying lengths with different bending radii and travel speeds

Examples of global approvals:



Deeply ingrained

Our company works with many values: Measured values, building-stock values, colour values, balance-sheet values, estimated values, percentage values. However, our true values are those that have made us strong. They shape our business culture today and will continue to do so tomorrow. Ultimately, we want to be a measure of reliability for all employees, customers and business partners.



Customer-oriented

We find quick and simple solutions for our customers – at a competitive price-performance ratio. We hold our customers and partners in the highest regard and guarantee them worldwide security of supply through international production sites. This enables them to be successful in their markets.

Family-oriented

We work together toward our goal in a spirit of trust. Respect and appreciation are just as important to us as personal responsibility and transparency. We actively train and develop our staff.

Success-oriented

Our company is very versatile. It is our flexibility above all that secures profitable growth: our reaction to new challenges is quick and well-considered. Our processes are transparent, and we make sustainable, long-term-oriented decisions. We remain conscious of our risks while driving our growth. We also set standards for your benefit.

Innovative

We continuously develop our products, solutions and services. To ensure that there is no compromise when it comes to quality, we manufacture in our own plants. We pledge ourselves to ensure the well-being of our employees and the conservation of environmental resources.



**Others
merely speak of
proximity to the markets.**



We also

speak of proximity

to people.

proximity

We want you to be a satisfied customer. Not just with our branded products, but also with us as a company. We understand the markets, we seek out trends and we speak your language. That's because we are there for you – wherever you may need us. We make this promise with our extensive global footprint: over 100 international outlets, 39 sales companies and 18 production sites with ultra-modern logistics facilities. One call is all it takes: we'll be with you where you need us as quickly as possible. So you can keep in touch – and we can meet your business needs.

CONNECT

From person to person

The greatest value of any company is not found on the balance sheet. It's people that matter most, not profits. No machine in this world can replace personal attention. That is precisely why LAPP's goal is not only to be present in global markets and meet local requirements. Our connection to people – engineers, buyers, designers – is much greater as they make the market. Our employees work tirelessly, applying their skills and energy to develop new ways to meet your needs. It is only through our extensive, dedicated global team that we connect people, customers, partners all around the world.



Our global corporate network



Find other sales partners in your location:
www.lappgroup.com

America

| | |
|---------------|--|
| Brazil | Cabos Lapp Brasil LTDA. |
| Canada | Lapp Canada Inc. |
| Mexico | Lapp Mexico S de RL de CV |
| Panama | Lapp Panamá, S.A. |
| USA | Lapp USA Inc. Lapp Cable Works Inc. Lapp Tannehill Inc. Phoenix Wire & Cable Inc. |

Europe

| | |
|-----------------------|--|
| Austria | Lapp Austria GmbH |
| Benelux | Lapp Benelux B.V. |
| Czech Republic | Lapp Kabel s.r.o. |
| Denmark | Lapp Miltronic AB |
| Estonia | Lapp Miltronic SIA |
| Finland | Lapp Automaatio Oy Lapp Connecto Oy |
| France | Lapp France S.A.R.L. Câbleries Lapp S.A.R.L. Lapp Muller SAS |
| Germany | U.I. Lapp GmbH Lapp GmbH Kabelwerke Lapp Systems GmbH Contact GmbH Elektrische Bauelemente |
| Great Britain | Lapp Limited |
| Hungary | Lapp Hungária Kft. |
| Ireland | Lapp Limited Ireland |

| | |
|--------------------|---|
| Italy | Lapp Italia s.r.l. Camuna Cavi s.r.l. Ceam Cavi Speciali S.r.l. Lapp Sistemi Italia s.r.l. Lapp Miltronic SIA Lapp Miltronic UAB Miltronic AS Lapp Kabel SP. z.o.o. Lapp Connecto Polska Sp. z.o.o. |
| Latvia | Lapp Miltronic SIA |
| Lithuania | Lapp Miltronic UAB |
| Norway | Miltronic AS |
| Poland | Lapp Kabel SP. z.o.o. Lapp Connecto Polska Sp. z.o.o. |
| Romania | Lapp Kabel Romania SRL S. C. Fender Cables S.r.l. |
| Slovenia | Lapp d.o.o. |
| Spain | Lapp Kabel España S.L.U. |
| Sweden | Miltronic AB Fleximark AB |
| Switzerland | Lapp Tec Kabel AG |
| Turkey | Lapp Kablo San. ve. Tic. Ltd. Sti. |
| Ukraine | Lapp Ukraine LLC |

Africa

| | |
|---------------------|---------------------------------|
| South Africa | Lapp Southern Africa (PTY) Ltd. |
|---------------------|---------------------------------|

Asia

| | |
|------------------|------------------------------|
| China | Lapp Kabel Shanghai Co. Ltd. |
| India | Lapp India Pvt. Ltd. |
| Indonesia | JJ-Lapp Cable (I) SMI |
| Japan | Lapp Logistics Pte. Ltd. |

| | |
|-----------------------------|---|
| Kazakhstan | Lapp Kazakhstan LLP |
| Malaysia | JJ-Lapp Cable (M) Sdn Bhd |
| Philippines | JJ-Lapp Cable (P) Inc. |
| Russia | Lapp Russia OOO |
| Singapore | JJ-Lapp Cable (S) Pte. Ltd. Lapp Logistics Pte. Ltd. |
| South Korea | Lapp Korea LLC. |
| Thailand | JJ-Lapp Cable (T) Ltd. |
| United Arab Emirates | LAPP Cables Middle East FZE |
| Vietnam | JJ-Lapp Cable (V) Ltd. |

Australia

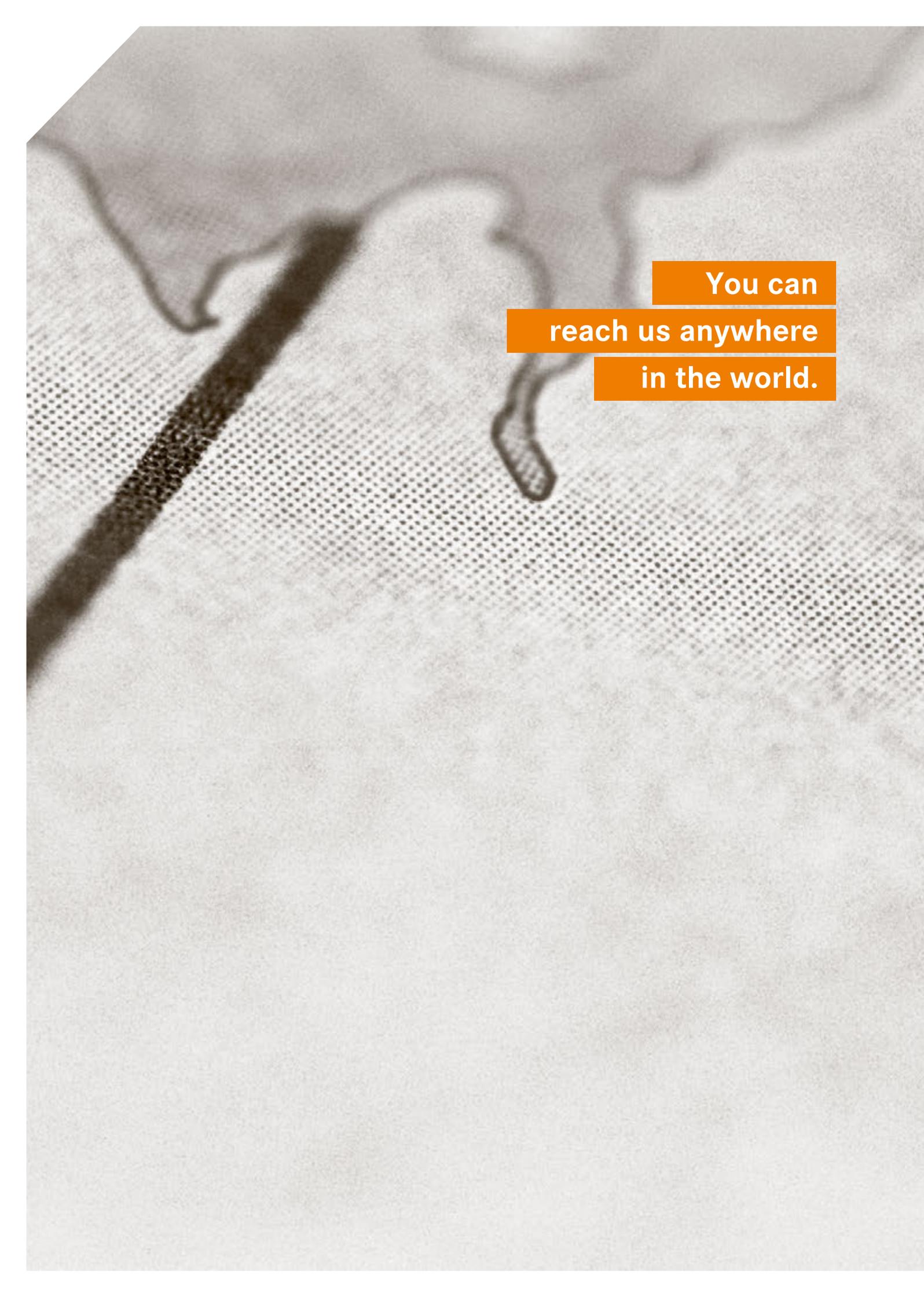
| | |
|------------------|------------------------|
| Australia | LAPP Australia Pty Ltd |
|------------------|------------------------|

CONTACT

Easy access

Arrange an appointment with our LAPP consulting experts or order our products conveniently on the move using your tablet or smartphone.* All this is possible; it's never been easier to get in touch with LAPP.

* Service not available in every country



**You can
reach us anywhere
in the world.**

Or right in your
neighborhood.



EASTERN
TIME ZONE

There for you worldwide

Find us online under

www.lappgroup.com

8 strong brands

OUR INNOVATIVE STRENGTH

The quality and innovative strength of our products don't result from chance - more than 600 LAPP experts worldwide work on making our products even better.

49 %

Special cable & systems



32 %

Research & development

6 %

Test centre and laboratory

13 %

Product management

More than
40,000
standard products

Employees from
152
countries

AT OUR SITES WE OFFER YOU...



At our sites we employ a total of 3,770 people delivering you the best support, the best products and the best advice for your solutions.

The following areas of expertise are covered:

- Product development
- Cable production
- System assemblies
- Laboratories and test centres
- Logistics and goods centres
- International expertise training centres

3,770
employees

HOW WE CONNECT THE WORLD

The future is very much connected with your origins. A glance back over the company's history makes it clear where our strengths lie – strengths that have ultimately been responsible for the international success enjoyed by the LAPP Group. Headquartered in Stuttgart-Vaihingen in Germany, U.I. Lapp GmbH can look back on over 50 years of success within cable and connection technology. The site is both the founding location of the firm and the current company headquarters. Over the years, the small company in a garage grew into an international market leader operating in over 140 countries. It's never been easier to get in touch with us. Contact us online, via the app, or order directly from the e-shop.

You can even connect your inventory management system to our SAP interface to ensure a flawless procurement process – it's all part of the service.

www.lappgroup.com

Enter the world
of LAPP:



100
sales partners

1

innovation
after another

39

proprietary sales
companies

70,000 m²

of storage space in Germany alone
enables us to keep 40,150 km of
ÖLFLEX® constantly in stock
This is more than the length of the equator

LAPP – A GOOD CHOICE

- 1 Local to you – wherever you are in the world
- 2 View products, order products* – globally, on the move, around the clock
- 3 Manufacturer with system expertise
- 4 Warehouses and logistics centres in every location – no expensive storage costs for you

*Service not available in every country





www.lappgroup.com
To contact your local LAPP
representative please visit
www.lappgroup.com/worldwide