

LAMIFIL



**EXCELLENCE
THROUGH EXPERTISE
AND EXPERIENCE**

LAMIFIL

EXCELLENCE THROUGH EXPERTISE AND EXPERIENCE



Excellence is at the core of our business. We innovate, design and manufacture overhead conductors, catenary cables, wires and wire-based products of quality in both copper and aluminium, and their alloys, to deliver the highest value to our clients.

As one of the leading manufacturers of overhead conductors and railway catenaries, we can be entrusted with projects of the highest complexity. We also produce speciality wires for the automotive, aviation and aerospace industries, telecommunication and energy cables, and a diverse range of consumer goods in copper and aluminium alloys. This expertise means we can deal with every customer need, and ensure the quality of our products from design and engineering, to wire rod casting and manufacturing. We often create entirely new alloys and new designs to meet client specifications.

Sustainability is key to what we do. Besides ensuring that our products and their methods of manufacture achieve excellence, we strongly promote products that reduce energy losses and increase efficiency as well as lowering the total cost of ownership for our clients and society.

Excellence, expertise and experience. These are the qualities that our clients have come to expect of Lamifil. Qualities that form the basis of long lasting relationships.



John Dejaeger
CEO Lamifil NV

ARE YOU LOOKING FOR A PARTNER WHO

- > DESIGNS OVERHEAD CONDUCTORS ACCORDING YOUR SPECIAL PROJECT NEEDS?
- > OFFERS RELIABLE CATENARY WIRES FOLLOWING INTERNATIONAL STANDARDS?
- > DEVELOPS NEW ALLOYS BASED ON IN DEPTH METALLURGIC KNOWLEDGE?
- > EXTENSIVELY TESTS ALL PRODUCTS IN AN INDEPENDENT LAB?
- > OFFERS RELIABLE AND FLEXIBLE SERVICES?
- > IS A LEADER IN SPECIALITY ALLOYS TOWARDS AUTOMOTIVE MARKETS?

GLOBAL MARKETS

WITH TAILORMADE SOLUTIONS

With expertise and experience comes an unparalleled record for producing specialised copper and aluminium alloy wire and cable products, for some of the world's leading companies. Our work with railways, like SNCF, Infrabel and NetworkRail; energy distributors like RTE, Elia and Tennet, automotive companies and various producers of consumer goods illustrate our experience as a key global partner.

Our understanding of these industries and the challenges they face, has led to the development of probably the widest range of specialised copper and aluminium alloys. Should a solution not exist, Lamifil has the capability to develop new custom products, in-house, to meet your requirements.

Examples of our work include the use of more conductive alloys to improve the transmission capacity of networks already in use, without having to change existing structures; adding traceability to copper lines to decrease theft; the use of trapezoidal and z-shaped aluminium wires to increase fill factor and improve efficiency or increase the speed of your trains only by replacing the catenary cables, and many more.

“By upgrading the existing ACSR conductor to an AAAC UHC conductor we were able to reduce energy losses by 19%”

(leading European Transmission company)

WE OFFER SOLUTIONS FOR

POWER TRANSMISSION AND POWER DISTRIBUTION

Overhead conductors in aluminium / Solid and stranded conductors / Heavy ice load / River crossings / Expertise in high conductivity and high temperature alloys / ...

RAILWAY AND URBAN TRANSPORT

Catenary wires in copper and copper alloys for railway electrification / Particular expertise in high-speed rail / Tramways / ...

AUTOMOTIVE, AVIATION AND AEROSPACE

Mechanical components in aluminium and aluminium alloys / Continuous rotary extrusions for pipes and tubes / Fine copper and copper alloy wiring / ...

STEEL INDUSTRY

Aluminium wire rod for deoxidation of steel

CONSUMER GOODS

Bolts, rivets, nails, fencing / Clothing / Musical instruments / Audio / Food industry / Pipes, tubes and welding / Various Copper and copper alloys / Various Aluminium and aluminium alloys / ...

TELECOMMUNICATIONS

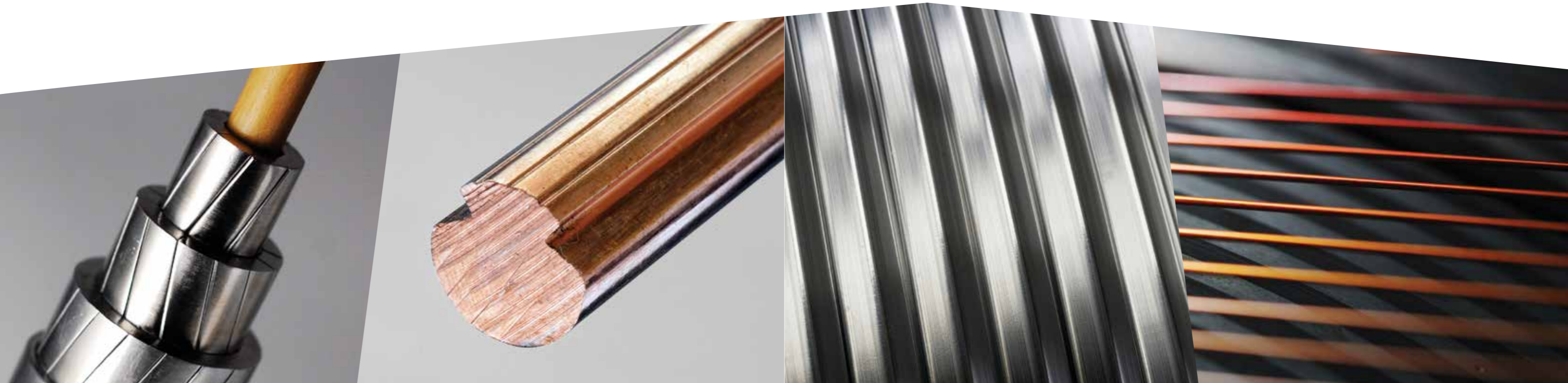
Optical ground wire / Fine copper wires



HIGH QUALITY PRODUCTS

IN COPPER AND ALUMINIUM

We offer a comprehensive range of aluminium and copper products and their alloys, designed to improve efficiency and add value for our clients. Lamifil advises on the best match for your needs, and where appropriate, even design new products. By controlling the production process from wire rod casting to finished product, we can assure our clients of widest range, reliability and quality.



OVERHEAD CONDUCTORS

Innovations like the use of trapezoidal and/or z-shaped wires instead of round and advanced alloys and composites, lead to revolutionary products for electricity suppliers and distributors.

Increasing capacity, increasing efficiency, lowering costs and adding environmental friendliness are some of the advantages we offer.

OVERHEAD CONDUCTORS

- > Normal operating temperatures
- > Elevated operating temperatures
- > Specialised needs

CATENARY WIRES

From urban transport systems to high-speed rail networks, Lamifil produces catenary wires for rail electrification, currently in use in five continents.

Our experience and development of High Strength (HS) and High Conductivity (HC) contact wires is unparalleled, working above industry standards.

CATENARY WIRES

- > Messenger wire
- > Contact wire
- > Dropper wire
- > Feeder cable

SPECIALITY WIRES

With a combination of metallurgical knowledge forged over 85 years, and state-of-the-art equipment, we offer products in copper, aluminium, and their alloys, with applications as diverse as aeronautics, audio, medical and automotive, to embroidery and musical instruments.

SPECIALITY WIRES

- > Wire rod
- > Drawn and extruded wire
- > Surface treated wire
- > Bunches and stranded conductor

We control and verify the complete production chain to ensure the quality of our end products.

FLEXIBLE SERVICES

MADE TO MEASURE

Custom design, development, manufacture and implementation are another reason why our clients value our partnership. When standard solutions don't meet customer specific requirements, Lamifil collaborates with you to produce custom designed products.

CUSTOM DESIGN

Taking into consideration all your specifics and specifications we produce the perfect wire, cable or conductor for your needs. Even if that entails developing new alloys to meet those needs in our in-house production facilities.

For the automotive market Lamifil developed an alloy for signaling wire that requires 77% less section compared to traditional copper cables resulting in drastically reduced weight and volume.

For transmission customers Lamifil engineered cables to overcome specific environmental challenges like ice and wind load.

Our CuMg railway wire offers 16% better electrical characteristics, compared to EN50149 rail standard. This reduces the investment in substations with 15%.

ACCREDITED LAB

With our own production facilities, and an accredited independent lab we control and verify the complete production chain to ensure the quality of the end products.

Used by customers to do factory acceptance tests, audits, and other metallurgical assessments, our service range can be grouped into two main offerings:

- > Research and Development services
- > Quality Testing and metallurgic services

The lab is ISO17025 certified and services can be sourced independently of our production.

IMPLEMENTATION

Our commitment doesn't end at wires and conductors.

We offer specialised training for installation and maintenance as well as installation supervision, often called for when installing overhead conductors and fittings like GAP and ACCC.



Certificate n°
494-TEST

VISIT WWW.LAMIFIL.BE/CASESTUDIES TO VIEW EXAMPLES OF LAMIFIL'S CUSTOM SOLUTIONS.



A RELIABLE PARTNER

MEETING YOUR STANDARDS

CONSTANT INNOVATION

Lamifil is continuously investing in their production facilities and the latest technology to offer clients the widest choice, and best options for their needs.

To follow the latest product trends we invest on a yearly basis in our production facilities both in the copper production as well as aluminium. Our lab also benefits from continuous investment to be at the technological forefront, enabling us to make the latest innovative designs according your needs.

Besides investments in our production facility we constantly invest in developing new alloys suited for new end applications, whether this is for automotive, overhead cables or other markets.

A HIGHLY SKILLED TEAM

With most key personnel boasting engineering backgrounds, and a significant percentage of people working in Research and Development, along with a continuous commitment and investment in training programmes, Lamifil's people make us what we are: a specialized, flexible organization with capabilities to design solutions to suit every customer need.

CUSTOMER FOCUS

Do you consider the way in which a company works is as important as their top quality products? We do, and that is why Lamifil is built around customer needs. We have decades of experience in project work, from small and medium sized projects to participating in turnkey projects.

Our employees are multilingual, to aid communication, and work in a structured manner with our in-house logistics department so that we can fulfil the most demanding logistical needs.

“Customer satisfaction surveys reveal that Lamifil leads in serviceability and flexibility compared to our competitors”

With the port of Antwerp around the corner, a whole range of shipment possibilities are available, along with our diverse packaging methods to further accommodate your requirements.

Of course we also offer full technical support at all stages of your project.



EXCELLENCE THROUGH EXPERTISE AND EXPERIENCE

ISO CERTIFIED

Our commitment to a total customer satisfaction can be seen with the implementation of a quality management system that include ISO 9001 and the ISO 14001 environmental management award. Currently we are working towards an OHSAS 18001 certification.

These certifications ensure continuous improvement in all that we do, from the stringent quality controls in our manufacturing process, to our relationships and communication with our clients. Audits conducted by our customers also verify our performance at the highest level.



MORE THAN 85 YEARS OF EXPERIENCE

Incorporated in 1929 as one of Europe's largest manufacturers of copper rod and copper wire, Lamifil began life as Société Franco-Belge des Laminoirs et Trefleries d'Anvers S.A. in Hemiksem, Belgium and Chauny, France.

Later known as Lamifil, our expertise in copper and copper alloys, aluminium and aluminium alloys, has made us a trusted partner to some of the largest rail and electricity utilities around the globe.

To support our growth in new markets, we opened a sales and production site under the name of OOO Lamifil in Uglich, Russia in 2011.

These decades of experience, expertise and constant innovation have forged the trust that our clients feel when dealing with us.



LAMIFIL



Lamifil is one of the world's leading manufacturers of overhead conductors, catenary cables, wires and wire-based products of quality in copper and aluminium and their alloys, delivering the highest value to clients.

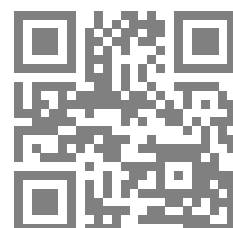
Combining over 85 years of experience and expertise, Lamifil innovates, designs and manufactures cable and wire products for the railway and power distribution industry, as well as speciality wires for the automotive, aviation and aerospace and steel industry, and a diverse range of consumer goods.

Lamifil has the capabilities to tailor-make new alloys and products specific to every client need, each carefully tested in our ISO accredited lab, and is regarded as a reliable service partner by the industries we work with in all six continents.

Based in Hemiksem, Belgium, in close proximity of the port of Antwerp, we are passionately driven by excellence through expertise and experience.

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ISO 9001 - ISO 14001 - ISO 17025

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