Are you looking for a partner that can support you with steel wire or coating solutions? Companies all over the globe benefit from Bekaert’s know-how in metal transformation and coating technologies. We want to establish relationships with your production centers in developing new or improved processes. We are here to listen to your needs and provide you with new partnerships that will help you take your business forward.

What we have to offer

Bekaert is a global technological and market leader in advanced solutions based on metal transformation and coating. We have a vast experience in translating your demands into solutions based on our metal transformation and coating technologies. We are committed to being a valuable partner in providing products and solutions tailored to your needs. Our 28,000 employees are committed to earning the trust of our customers in over 120 countries.

Imagine what we could do together...

Your demands drive our urge to innovate. As a result, Bekaert puts great emphasis on listening and understanding your needs, as well as optimizing and innovating our product portfolio. Most of these developmental talents stem from the long-term relationships that we have established with our customers. We will work closely with you to develop new products and applications. We are geared toward continuous improvement and innovating new products to better satisfy your requirements, a lesser total cost of ownership or a lower environmental footprint.

Where to find us

Are you interested in any of these solutions? Do you have any questions regarding our metal transformation and coating technologies? Please do not hesitate to get in touch now. We would be delighted to talk about how we can help you.

Visit us at www.bekaert.com
www.bekaert.mobi

Developing for tomorrow

Would you like to learn more? Have any of these solutions struck a chord with you? Are you interested in any of our products or services? Please do not hesitate to get in touch now.

We would be delighted to talk about how we can help you.

Introducing technology at Bekaert

Research and Development is the key driver of Bekaert’s technological leadership. The role of R&D is not limited to the development of new technologies and processes; it is also essential in the development of relationships and innovations in our customer segments.

Creating added value for our customers

A high level of customer-driven innovation is a solid distinguishing feature at Bekaert. Our engineers and other R&D specialists regularly develop new technologies and processes, in our customer segments and by working closely with customers. We listen closely to our customers and continuously make our product lines and technologies fit their needs. The aim is to stay one step ahead of the competition in our segments.

Innovation profile

- €90 million investment in Research and Development in 2011
- An international team of R&D specialists
- A high degree of diversity with multidisciplinary teams of different nationalities, educational backgrounds and genders
- National and international cooperation
- Dedicated pilot lines for small-scale production and pilot projects
- A portfolio of close to 2,000 patents
- Market-driven R&D work: over 70% of our innovation projects are initiated by production and sales centers
- Open innovation: a majority of projects are run in close cooperation with external partners such as customers, universities, or research centers

Presenting our R&D activities worldwide

Introducing technology at Bekaert
Are you looking for a partner that can support you with steel wire or coating solutions? Companies all over the globe benefit from Bekaert's know-how in metal transformation and coating technologies. We want to establish a partnership in your process and develop new or improved processes. To make this possible, we need to understand your processes. We are then better in looking for opportunities that might result in solutions that will benefit your company.

Where to find us

Would you like to learn more? Have any of these solutions struck a chord with you? Are you interested in any of our products or services? Please do not hesitate to get in touch now. We would be delighted to talk about how we can help you.

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Cladding added value for our customers

A high level of customer-driven innovation is a solid distinguishing feature at Bekaert. This starts with the development of innovative wire products and finishes with added-value coatings. This is how Bekaert helps our customers with their coating innovations.

What we have to offer

Bekaert is a global technology and market leader in advanced solutions based on metal transformation and coating technologies. The know-how and experience investing in your processes should reflect on your final product. We want to understand your needs and processes, in order to be able to provide you with high-quality products and services that meet your demands.

Imagine what we could do together…

Your demands stimulate our urge to innovate. As a result, Bekaert puts great emphasis on research and development. We work with the best materials available in order to ensure the best-possible quality of our products. The goal is to develop products that can withstand the most demanding conditions and offer maximum safety and performance.

Where to find us

Would you like to learn more? Have any of these solutions struck a chord with you? Are you interested in any of our products or services? Please do not hesitate to get in touch now. We would be delighted to talk about how we can help you.

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Presenting our R&D activities worldwide
Developing for tomorrow

Are you looking for a partner that can support you with steel wire or coating solutions? Companies all over the globe benefit from Bekaert’s know-how in metal transformation and coating technologies. We want to establish a dialogue with your purchasing officer in developing new or improved processes. We hope that Bekaert is building more partnerships that result in solutions that work for your organisation.

What we have to offer

Bekaert is a global technology and market leader in advanced solutions based on metal transformation and coating technologies. We are committed to being a valuable partner in providing products and solutions tailored to your needs. Our 27 000 employees are committed to earning the trust of our customers in over 120 countries.

Imagine what we could do together . . .

Your demands drive our urge to innovate. As a result, Bekaert puts great effort into developing new products and solutions that are intended and adapted to your specific product specifications. Most of these developments take place in a long-term context and are not conditioned only by the requirements of our customers. We need to think along with you to develop new products and applications. R&D is geared towards one primary purpose: developing products that take a larger share of your business processes, a lower total cost of ownership and a lower environmental footprint.

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Introducing technology at Bekaert

Research and Development is the key driver of Bekaert’s technological leadership. The role of R&D is not limited to the development of new technologies and processes, it is also essential in the development of solutions and applications accepted by our customers.

Cracking added value for our customers

A high level of customer-driven innovation is a vital differentiation as far as we are concerned. Every product line and every customer relationship is a new challenge. To meet these challenges, we are developing new technologies and processes. Each technology is first evaluated in cooperation with our customers before it is incorporated into our products and product lines. Our customers benefit from this continuous development that reduces our time to market as much as possible.

R&D that spans the globe

Global cooperation is an important step towards success. Bekaert has taken steps to establish a global focus on technology and innovation services. Technology projects across different locations bring a host of benefits. Because of the proximity to our customers, we are able to develop products and applications with the customer’s own production lines in mind. The joint research efforts significantly enhance the search for new solutions even more.

Added value through engineering

Bekaert’s in-house engineering department designs, assembles and installs the critical equipment for our various production plants around the world. This in-house engineering department contributes to the development of new products and globalizes our spare parts asset management. Thanks to Bekaert’s in-house expertise and thorough knowledge of our own manufacturing requirements, our production plants are equipped with the most advanced machines and equipment worldwide. This, in turn, enables us to match our production methods to your company’s production methods.

Innovation profile

- In 2012 we invested € 69 million in R&D
- An international team of R&D specialists
- A high degree of diversity with multi-disciplinary teams of different nationalities, academic backgrounds and genders
- R&D centers in Belgium and China
- Dedicated pilot lines for specific product and process development
- An innovation portfolio of over 2 000 patents
- Market-driven R&D work: over 70% of our innovation projects are initiated by production and sales centers
- Open innovation at work: a majority of projects are run in close cooperation with external partners such as customers, universities or research centers.

Presenting our R&D activities worldwide

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February 2013, responsible editor: Dominique Neerinck
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Leadership in technology
Research and development is part of Bekaert’s DNA, a particular importance to co-development projects, focusing on highly specific problems in business situations.

Serving customers across the globe with dedicated R&D teams in our main Technology Center in Deerlijk, Belgium and the Bekaert Asia R&D Center in Jiangyin (China), brings together highly qualified scientists and engineers work closely with our sales teams. On top of that, we have a Technical Center located in Germany for more localized projects. As a result, we have established a regional development network, ensuring a response in a highly efficient manner to the demands of the customer for high-tech wire solutions. We also operate development labs in the Netherlands, China and India, the U.S.

From leadership to automated production line
Innovation is key to success at Bekaert. Finding the right idea and then cultivating it is a symbiotic balance to our success. We approach innovation with a clear strategic mindset, as well as a strategic timeline, and the right technology to execute a plan.

Serving a global customer base, we have different R&D centers focusing on highly specific problems or business situations.

Research and Development is part of Bekaert’s DNA. We attach particular importance to co-development projects, focusing on highly specific problems in business situations.

At our main Technology Center in Deerlijk (Belgium) and the Bekaert Asia R&D Center in Jiangyin (China), teams serve customers across the globe with dedicated R&D teams.

Looking at strength, ductility, fatigue, shape and dimensions, conductivity, magnetic permeability and more, our activities focus on the bulk properties of our products: finding the right metal composition, using the appropriate materials, processes and technologies to obtain the properties needed.

Our technology centers are equipped with extensive lab facilities for both fundamental and applied research. The labs are specialized in the analysis of material properties, both bulk and surface, such as (electro-)chemical analysis, mechanical properties, such as strength and much more.

Pilot lines ensure a seamless transition to full-scale production
We carry out research into coating technologies, surface properties, mechanical properties such as strength and much more. Our two main technology centers are also equipped with pilot production lines. Extensive testing of new solutions, means and products in these pilot plants allows us to roll them out to our production platforms worldwide. Without the severe time constraints that typically come with mass production, we can test new developments until it optimizes its performance.

Customers can benefit from in-depth analyses of cable construction, steel composition, microstructure of materials and products in these pilot plants. This allows us to roll them out to our production platforms worldwide.

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Leadership in technology

Bekaert is a world leader in high-tech steel wire solutions. We are an outgrowth of the technical capabilities developed over a century ago by Belgium's oldest wire manufacturer, Bekaert. 

Focusing on two core competencies

Marked by a unique combination of capabilities and concentrations, Bekaert Technology Center in Deerlijk, Belgium and Bekaert Asia R&D Center in Jiangyin, China illustrate the breadth of our research and development activity. Our two main technology centers are also equipped with pilot production lines. Extensive testing of new processes provides you with the wire product you need.

Looking at strength, ductility, fatigue, shape and dimensions, conductivity, magnetic permeability and more, our activities focus on the bulk properties of our products: finding the right metal composition, using the appropriate thermal treatments, and implementing different forming and joining techniques to obtain the properties needed. Extensive national analysis labs capabilities

Our technology centers are equipped with extensive facilities to both understand and apply research, the results of material characterization research are used both internally and externally: as input for product and process development, as well as for advising our customers.

Companies that understand the importance of innovation are the winners. Our state-of-the-art materials lab, chemical lab, and mechanical lab supply fast and accurate test results to support customer-driven research projects. Our state-of-the-art materials lab, chemical lab, and mechanical lab supply fast and accurate test results to support customer-driven research projects.

Extensive material analysis lab capabilities

We acknowledge the importance of innovation: 50 first patent applications were filed in the course of 2012, a record number for Bekaert. Bekaert's IP portfolio extends globally to patents and trademarks. It bears in processes and markets.

Innovation is a key process at Bekaert. Finding the right idea and then cultivating it into a product tailored to our customers is a complex multi-phase activity that involves open innovation, internal R&D, and innovations in regulation and certification.

Putting innovation into customer practice

Bekaert has developed an extensive list of products that allow our customers to reduce their environmental impact: save energy and operate in a more cost effective way. Here are some examples:

Customers can benefit from in-depth analyses of cable construction, steel composition, microstructure of materials and products in these pilot plants allows us to roll them out to our production platforms worldwide.

Open innovation core teams

Our core competencies are focused on wire reductions, temperature, and the environment: in practice, some examples:

Customer-driven research

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Open innovation core teams

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Leadership in technology

Research and Development is a part of Bekaert’s DNA, reflecting our particular importance in co-development projects, focusing on highly specific problems in customer situations.

Serving customers across the globe with dedicated R&D teams in the U.S. Technology Center in Danbury, Bekaert and Swagelok Technology Center in Cleveland, China; hire hundreds of highly qualified engineers and workers closer to the markets. On top of that, we have a Technical Center in our main Dutch production department in Waalwijk, and have established a regional development structure in Taiwan, operating in a highly digital way to bring solutions to the market faster than ever before. The key approacher development and management is in the Netherlands. China is driven by over 3,000 employees.

Focusing on two core competencies: materials and coatings, in which we also operate development labs in the Netherlands, Chile, India and the U.S. and in China. Bekaert has established a Customer Center for customer-driven product development in China. In Brazil, we are creating a regional development structure for Latin America, focusing on the development of highly qualified scientists and engineers work closely with lead customers in Latin America, as well as other regions, to develop solutions to meet their specific needs. In the U.S., we have extensive research and development capabilities, as well as a state-of-the-art materials lab with capabilities for both fundamental and applied research.

Innovation is a key process at Bekaert. Finding the right idea and then cultivating it into a solution is at the core of our success story. Our Market-driven R&D is based on a structured, multi-phase innovation process.

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Leadership in technology

Research and Innovation is a key pillar in our strategy. To ensure we are a technology and innovation leader, we aim at a level of investment in our research and innovation activities that is higher than the industry average. We are a leader in the application of two core competencies in the field of materials and coatings. The results of material characterization research are used both internally and externally.

Research efforts are focused on the industrial properties of our products: finding the right metal composition, using the appropriate technologies to optimize its performance. Adhesion, corrosion resistance, wear resistance, aesthetics or anti-fouling behavior … coating the product of just about any material (metals, polymers, semi-ceramics) onto the.

This involves selecting the right surface treatments for the material and depositing the right technologies advanced coating. Our research efforts also focus on the surface properties of our products, studying advanced coating technologies. The results of material characterization research are used both internally and externally.

Extensive material analysis lab capabilities promote adhesion with polymers, rendering the use of.

We developed a superior coating for galvanized steel cord that.

Our ultra-thin metal fibers (as used in gas burners, for instance) offer exceptionally efficient combustion and low NOx. Our ultra-thin metal fibers for catalytic converters.

We make a significant contribution towards better and.

The lighter and stronger the steel cord, the lighter the car or.

We have developed wire with biodegradable polymer coatings that.

From emerging technology to automated production line

Innovation is key to success at Bekaert. Finding the right idea and then cultivating it is a vital element to our.

Our two main technology centers are also equipped with pilot production lines. Extensive testing of new.

Pilot lines ensure a smooth transition to full-scale production.

Frequent interaction with our customers decreases our.

Bekaert’s entire product portfolio, from advanced wires to high-tech materials and.

Strength through synergy. This applies not only to our customer relationships, but also to the way we combine.

Our research efforts are focused on the industrial properties of our products: finding the right metal composition, using the appropriate technologies to optimize its performance.

Our entire visitor centre and the Bekaert Technology Center in Deerlijk, Belgium are LEED-certified. The Bekaert Technology Center in Deerlijk, Belgium and the Bekaert Asia R&D Center in Jiangyin, China.

Putting innovation into customer practice

The evaluation of the technology provider market has increased the need for energy transport. Distillation towers are increasingly used worldwide in the oil industry to refine hydrocarbons.

The latest truck tire and the better its fuel economy. The latest.

Wire and cable (reinforced) products support customers in the oil industry to evolve from rigid steel.

Putting innovation into customer practice

Innovation is a key process at Bekaert. Finding the right idea and then cultivating it is a vital element to our.

Open Innovation

In order to provide synergy and combined technological innovation, Bekaert engage in "Open innovation" to.

Serving customers across the globe with dedicated R&D teams

At our R&D centers in Deerlijk, Belgium (Bekaert Technology Center in Deerlijk, Belgium) and in Jiangyin, China (Bekaert Asia R&D Center in Jiangyin, China), teams of highly qualified scientists and engineers work closely together.

In China, we have a Center focused on responding to growing demand in the domestic market.

Center for customer-driven product development in China. In Brazil, we have established a regional development.

Bekaert Asia R&D Center in Jiangyin, China

Bekaert Asia R&D Center in Jiangyin, China

Bekaert Technology Center in Deerlijk, Belgium

Bekaert Technology Center in Deerlijk, Belgium

In 2013 Bekaert established a new Center for customer-driven product development in China. In Brazil, we have established a regional development.

Serving customers across the globe with dedicated R&D teams

We carry out research into.

Customers can benefit from in-depth analyses of cable construction, steel composition, microstructure of.

Our research efforts also focus on the surface properties of our products, studying advanced coating technologies. The results of material characterization research are used both internally and externally.
Are you looking for a partner that can support you with steel wire or coating solutions? Companies all over the globe benefit from Bekaert’s know-how in metal transformation and coating technologies. We want to establish a dialogue with your personnel or in developing new or improved processes. We have the know-how to bring more prosperity that results in a better tomorrow for you and your environment.

Where to find us

Do you want to get in touch? Have any of these solutions struck a chord with you? Are you interested in any of our products or services? Please do not hesitate to get in touch now. We would be delighted to talk about how we can help you.

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Visiting our R&D activities worldwide

Creating added value for our customers

A high level of customer-focused innovation is a hallmark distinctive of our company. We always strive to respond to your demands with the right technology and materials. Our research and development (R&D) centers in Belgium and China are instrumental in our understanding of how our products function within our customers’ production lines and products. Furthermore, we aim to be fast in our development and reduce our time to market as much as possible.

R&D that spans the globe

Global cooperation is key to success. Bekaert has a strategic center for a global focus on technology and engineering services. Technology projects across different locations bring a host of benefits. Because of the proximity to our customers, we are able to ensure fast results and continuous feedback. In addition, Bekaert’s extensive R&D network enhances the search for new solutions when more.

Added value through engineering

Bekaert’s in-house engineering department designs, assembles and tests the latest equipment for our various production plants around the world. This range of services includes customer-specific applications and is known worldwide. The result: the most innovative engineering teams available are the perfect partner for your company. Bekaert’s in-house engineering department designs, assembles, and tests the latest equipment for our various production plants around the world. This range of services includes customer-specific applications and is known worldwide. The result: the most innovative engineering teams available are the perfect partner for your company.

Innovation profile

- In 2012 we invested € 69 million in R&D
- An international team of 500 R&D specialists
- A high degree of diversity with multi-disciplinary teams of different nationalities, academic backgrounds and genders
- R&D centers in Belgium and China
- Dedicated pilot lines for specific product and process development
- Accelerators (trials) for 2,000 concepts
- More than 150 active innovation projects
- Open innovation: a majority of our innovations are run in close cooperation with our customers
- Over 200 patents are filed annually

Developing for tomorrow

Bekaert is a global technology and market leader in advanced solutions based on metal transformation and coatings. We have a vast experience in translating your demands into solutions based on our metal transformation and coating technologies. We are committed to being a valuable partner in providing products and solutions tailored to your needs. Our 27,000 employees are committed to earning the trust of our customers in over 120 countries.

Imagine what we could do together …

Your demands stimulate our urge to innovate. As a result, Bekaert provides the right solutions that meet your needs and exceeds your expectations. You will thus benefit from increased efficiency and awareness of your product portfolio. Most of these future products are taken from your ideas and suggestions. Our QM department is involved in the development of new products and processes. This gives rise to a synergy effect that increases productivity, a lower total cost of ownership on a lower environmental impact.

Visit us at www.bekaert.com

Presenting our R&D activities worldwide