



**Your gateway to
advanced Swedish
railway technology**

SWERIG – the Swedish Rail Industry Group

Swerig is the Swedish industry association for exporting companies within the railway sector. We promote Swedish suppliers of advanced technology, products and services to the international railway sector. We are the central contact for international stakeholders interested in Swedish railway expertise.

Swedish technology at the forefront

Sweden enjoys a worldwide reputation for producing advanced railway technology. The country has been at the forefront when it comes to restructuring and transforming the state railways into efficient business-oriented units designed to meet the customer requirements and the competition with other means of transport. This process has contributed to the development of strong, market-oriented Swedish suppliers of products and services within the railway sector.

Swerig members

Swerig's member companies cover the complete range of railway products and services – from planning, technical consulting, systems design and installations along the rail track, rolling stock including components to railway software.



SWERIG MEMBERS

ABETONG

HEIDELBERGCEMENT Group

Abetong AB

Växjö • www.abetong.com

Precast concrete railway products.

Leading supplier of precast concrete railway products alone and in alliance with internationally renowned partners, covering product design and development as well as license technology transfer. Product portfolio includes mainline and turnout sleepers as well as slab track panels. Member of CHARMEC since 1995 and active as supervisor within several Ph.D. projects. The company is part of Heidelberg Cement Group – world leading supplier of cement, aggregates and ready mixed concrete.



Backer BHV AB

Sösdala • www.backer.eu

Heating and control solutions.

Backer develops and produces components as well as complete intelligent solutions and software technology for the rail industry. The solutions cover both infrastructure and rolling stock.

rexroth

A Bosch Company

Bosch Rexroth

Örnsköldsvik • www.boschrexroth.se

Retarder system.

Bosch Rexroth Retarder System consists of a number of relatively small breaking units – retarders – offering almost unlimited possibilities of variation and flexibility of the layout of the marshalling yard. The retarders can be placed both in the switching area and down the sorting sidings – on both sides of the track. The retarder can also be installed in bends, allowing longer sorting sidings.

AXIS[®]

COMMUNICATIONS

Axis Communications AB

Lund • www.axis.com

Network video solutions.

Axis enables a smarter and safer world by creating network solutions that provide insights for improving security and new ways of doing business. As the industry leader in network video, Axis offers products and services for video surveillance and analytics, access control, and audio systems. Axis has more than 3,500 dedicated employees in over 50 countries and collaborates with partners worldwide to deliver customer solutions. Axis was founded in 1984 and has its headquarters in Lund, Sweden.

ALSTOM

• mobility by nature •

Alstom Sweden

Solna • www.alstom.com/alstom-sweden

Railway vehicles, signalling equipment, propulsion

& controls. As a global leader in the rail industry, we cover the full spectrum of rail solutions, ranging from trains to sub-systems and signalling to complete turnkey transport systems, e-mobility technology and data-driven maintenance services. Sweden serves as a technology hub for Alstom, developing trains, signalling equipment and propulsion and control systems for domestic and global markets and will soon offer an innovative rail and e-mobility test and technology centre in Västerås.



Cactus Rail AB

Mölnadal • www.cactusrail.com

Rail traffic management system.

Traffic management systems for high accessibility and efficient operation. We offer expert know-how in order to optimize rail bound traffic. We have been supplying traffic management systems to Nordic railway operators / infrastructure companies since the early 1990s. Our specialty is regional railways characterized by rigorous requirements for integrating old and new technology.

conflux

Conflux

Järfälla • www.conflux.se

Heating Solutions for rolling stock and rail.

In 1996 the industry-unique Conflux PTC rubber material technology was invented. Today Conflux is a global provider of advanced heating solutions. The head office and production facility is located in Järfälla, 10 kilometers north of Stockholm, Sweden. PTC Heaters from Conflux are based on our industry-unique technology using thin foils of electrically conductive PTC rubber. Conflux heaters cannot overheat and require no regulating electronics. The result is an energy efficient and reliable heating solution with a product life expectancy and time to install superior of any alternative solution. Hand on the heart, just simply smarter.

ELMIA NORDIC RAIL



Elmia Nordic Rail

Jönköping • www.elmia.se/nordicrail

Trade fair organizer.

Elmia Nordic Rail is by far the most important railway fair in the Nordic region, and it is held every other year. The fair occupies a unique position because it manages to bring together everyone involved in railway issues, from decisionmakers and experts to buyers and service operators.

Hitachi Rail STS

Hitachi Rail STS Sweden AB

Solna • www.sts.hitachirail.com

Signalling equipment, traffic control solutions.

Supplier of complete, flexible and cost-efficient solutions for signalling, ATP and traffic control of railways and metros. Our business activities cover the complete span from individual components to turnkey systems, including ERTMS, STM and associated activities. In Scandinavia, Hitachi Rail STS serves as a gateway for products and services from our global corporate portfolio.



Dellner Couplers AB

Falun • www.dellner.com

Train connection systems.

Dellner is one of the world's leading suppliers of Train Connection Systems, with more than 78 years of experience in the rail industry. Based in Falun, Sweden, with 22 subsidiaries around the world and more than 1 000 employees globally, Dellner continues with its steady, robust growth in couplers, gangways, front hatches, dampers and Crash Energy Management, as well as the service segment of the rail industry. Quality and prompt delivery are our number one focus along with our relationship with the car builders and operators in all regions.



Elpress AB

Kramfors • www.elpress.net

Electric connection systems.

Global supplier of electric connection systems, complete with accessories, support and know-how.

GEVEA

Gevea

Norrköping • www.gevea.se

Power distribution products.

GEVEA is a supplier of solutions, competence and knowledge within switches and fuse arrangements technology, both for power distribution and catenary-line related products for railways and light rail trams. GEVEA is an international recognized supplier, with sales through distributors and representatives. Our products are installed and used in more than 30 countries worldwide. The design is made to ensure reliability in the harshest environments without any influence from external settings or extreme weather conditions.



Icomera AB

Göteborg • www.icomera.com

Wireless internet connectivity, platforms for transport communication solutions.

Icomera is the world's leading provider of wireless Internet connectivity for public transport and is committed to promoting green mobility. Serving millions of Wi-Fi users worldwide, our award-winning technology makes public transport a better, safer, more attractive option for passengers, supporting our mission to help contribute to a reduction in carbon emissions of 3.5 million metric tons by 2022. A wholly-owned subsidiary of ENGIE Solutions, Icomera is headquartered in Gothenburg, Sweden, with main offices in the United Kingdom, Germany, France, Italy, the United States, and Canada.



Kockum Sonics AB

Malmö • www.kockumation.com

Train whistles.

Kockum Sonics is the renowned company behind the Tyfon, the world's leading product brand of warning horns for rolling stock. With a wide range of pneumatic and electronic horns available for all types of rolling stock, from trams and LRVs to high speed trains, Tyfon is the preferable choice of rolling stock manufacturers worldwide.



MIC Nordic AB

Kista • www.micnordic.se

Solutions for indoor mobile coverage.

MIC Nordic AB supplies premium-performance indoor coverage solutions and secure communication to among others, the police service, fire brigade and other emergency services. We help companies and government agencies obtain quality coverage in indoor environments such as residential and office buildings, garages and tunnels, trains and vehicles, shopping malls, exhibition centers and hospitals.



Isoflex AB

Gustafs • www.isoflex.se

Insulation systems and products.

Isoflex AB is a well-established global producer and supplier of insulation systems for the rail industry. We provide a wide range of insulation products and solutions to the train manufacturers and operators all over the world. Isoflex is the original manufacturer and legal owner of the passenger rail coach insulation material MONIFLEX®. Company headquarters and manufacturing facilities are located at Gustafs some 200 km north of Stockholm. We have representation in more than 20 countries around the globe.



Latronix AB

Täby • www.latronix.se

Measuring instruments. Measurement and Analysis – Rail and Overhead Line. Latronix develops and manufactures measurement systems for railway applications. The measurement systems are based on laser technology in combination with high-performance optical and state of the art inertial sensors. Compact modular designs make it possible to install the measuring systems on road-rail vehicles as well as on high-speed measurement trains. Measurement applications: Track Geometry (EN 13848-1 / EN 13848-2 / EN 13848-3), Rail profile, Rail Wear, Rail Gauge, Overhead Line Geometry (height and stagger), Overhead Line Wear. Our philosophy is to empower the Customer putting the Customer in control of their data.



MTO Säkerhet AB

Stockholm • www.mto.se

Safety and business performance consultancy.

MTO Säkerhet AB is an independent Swedish human factors and risk management consultancy company. We put research and evidence-based knowledge into practical use in different domains of transportation and industry. A systemic approach is applied focusing on the interaction between Humans-Technology- Organisation (HTO or MTO). Application of human factors knowledge and methods from the behavioural sciences are used to improve safety, work environment and quality to develop safety culture, safety management and resilience. All consultants have advanced academic degrees.



Norconsult AB

Malmö • www.norconsult.se

Engeneering consultancy.

Norconsult is run and owned by specialists in architecture, construction, energy, industry, infrastructure, environment, community planning, water, sewerage and some other things that make life work. Together, we are community builders with a holistic view who believe in the power of creativity and collaboration.



Oxyfi AB

Stockholm • www.oxyfi.com

Internet access solutions.

Oxyfi is a leading provider of robust internet access solutions with WiFi to passengers as the most common application. We deliver turnkey projects to PTA:s, railway vehicle manufacturers and railway operators. Oxyfi also offers operational and monitoring services. Oxyfi's engineers develop a highly specialised software to handle the complex environment that occurs when large amounts of data are sent over multiple mobile networks to fast moving vehicles. This type of software is indispensable to achieve robust internet access on-board. Oxyfi's solutions meet many international standards including EN 50155, EN 45545 and EN 50121.



Prover Technology

Stockholm • www.prover.com

Solutions for interlocking design automation.

Prover Technology is a world leader in formal methods and formal verification for safety critical systems. We provide solutions for signalling design automation that radically reduce time to market for commissioning of train control systems, with improved safety. Our PiSPEC and Prover iLock solutions are used to specify, code, simulate and verify a wide variety of systems, including interlocking, CBTC, ERTMS and ATP. We also provide Prover Certifier, the only sign-off verification tool on the market that allows you to automatically produce complete safety evidence for CENELEC SIL-4 certification.



Omexom

Västerås • www.omexom.se

Electrical installations.

Omexom is the most complete electrical and process installation supplier in Sweden with an annual turnover of around SEK 2 200 million and some 1 200 employees. The group supplies highly qualified technical solutions within rail, automation, electrical installation and power technology plus service and maintenance to both the public and private sectors. Brand autonomy and technical expertise make us one of the fastest growing companies in Sweden within its sector segment. Within rail we provide multidisciplinary turnkey projects as well rail and power supply maintenance services.



Powerbox AB

Genesta • www.prbx.com

Power supplies, power conversion products.

Powerbox, a Cosel Group Company, provides power supplies and other power conversion products for demanding applications, either through a wide product range of off the shelf products, customized solutions or specially designed system solutions.



Roxtec International AB

Karlskrona • www.roxtec.com

Cable and pipe transits.

Provides cable and pipe transits for protection against fire, dust, water, pressure, electromagnetic threats and the risk of explosion. Typical applications include cable sealing in rolling stock, trackside equipment and cabinets. The Roxtec sealing system includes Multidiameter™, a smart solution for adaptability to cables and pipes of different sizes based on sealing modules with removable layers.



Saab AB

Arboga • www.saab.com

Telecom projects.

Complete partner for radio communication solutions, Train to wayside Communication and private LTE networks. Provider of security solutions based on command and control systems for total situation awareness.



Saft AB

Oskarshamn • www.saftbatteries.com

High-tech batteries.

Saft AB is the world's leading in design and manufacture of high-tech batteries and system for rail and mass transit system. Saft batteries are used in high performance applications such as industrial infrastructure and processes, transportation, space and defense. Saft is the world's leading manufacturer of nickel-cadmium batteries for industrial applications and of primary lithium batteries for a wide range of end markets.



SRS Sjölanders AB

Osby • www.srsroadrail.se

Road-Rail Vehicles for maintenance and construction.

World leading company within the road and rail technology, with more than 40 years' experience of development, design and manufacturing of various kinds of hydrostatically driven road-rail vehicles, including special equipment for maintenance and construction of tracks, track superstructure and overhead contact wire systems.



Stockholms Spårvägar

Vision och Tradition

Stockholm Spårvägar AB

Stockholm • www.ss.se

Tram line operator, vehicle and rail maintenance.

Stockholms Spårvägar AB with Infra Service Group, currently operates modern and heritage tram line services, as well as vehicle and rail maintenance. More than 9 million passengers are yearly transported on our tracks in Stockholm. Our vision is to offer the Nordic market a comprehensive offer in public transport services with high quality, satisfied customers and employees, and with a good return.



STHK - Stockholmskonsulterna AB

Stockholm • www.sthk.se

Engeneering consultancy specialised in railway signalling.

We are Sweden's leading consultancy company within railway signalling and we have specialist competence in many areas including ERTMS, Metro and light rail signalling. Our business concept is to provide knowledge, expertise and support as required throughout the entire signalling system life-cycle in the development, procurement, deployment, commissioning and maintenance of signalling systems.



Syntronic AB

Gävle • www.syntronic.com

Design and production of industrial applications.

A leading design house specializing in industrial and telecommunication services covering the entire life cycle of a product or a system.



Systecon AB

Stockholm • www.systecongroup.com/se

Services and tools to increase fleet performance.

We help you find the optimal balance between requirements on performance and availability and the resources needed to achieve this, regardless if you handle strategic decisions, procurement of new systems or if you just want to improve efficiency in your current operations. We call this Life Cycle Management and the results for our customers are higher productivity and lower cost. Systecon will provide you with the information you need to make fact-based decisions. With our unique experience, proprietary software Opus Suite and advanced models, we can not only demonstrate which factors impact operations – we can also show you how to optimize them.



Tyréns AB

Stockholm • www.tyrens.se

Engineering consultancy.

Provides services in the fields of road and railway planning and design, tructural engineering and urban development.



U-Lift Train AB

Backaryd • www.u-lift.se

Wheelchair lifts and ramps.

Wheelchair lifts and ramps for improved accessibility for disabled people to railway coaches, trams and buses.



Univox - Bo Edin

Lidingö • www.univox.eu

Hearing loop systems.

Our goal is to create true accessibility for passengers with hearing loss. Using hearing loops on-board trains, on platforms and in station buildings adds safety and comfort and helps creating a barrier-free traveling experience. A great end-user experience is ensured by the close-knit co-operation between Univox and the PIS-integrator.



TMW Sweden AB

Gävle • www.tmw-sweden.se

Contract manufacturer for rail components.

TMW Sweden AB has a great commitment in subcontracting of components within rail. We have a complete workshop with CNC milling, CNC turning and welding where we are certified in ISO3834-2 and EN15085-2 with the highest demands, CL1. Our range in manufacturing are wide, from samples, spare parts to new constructions in the most common materials.



Westermo Network Technologies AB

Västerås • www.westermo.se

Data communication equipment for trackside and rolling stock applications.

Westermo provides a full range of industrial data communications solutions for demanding applications in the transport, water and energy markets among others. For more than 40 years Westermo has been at the forefront of technological development and often pushed the limits of what is technically possible. In order to provide the best possible support, we have local presence in more than 35 countries through our authorized distributors and own offices.



Westerstrand Urfabrik AB

Töreboda • www.westerstrand.se

Time and display products.

Westerstrand was founded in 1906 as a small watchmaker business. Today Westerstrand manufactures, designs and sells modern time and display products for public transportation, industries, hospitals, offices, schools, sport halls and sport arenas. The company is well known and distribute products all over the world. Development and manufacturing facilities are located in the head office in Töreboda. Westerstrand also has offices in Örebro and Stockholm and subsidiaries in Belgium and France. Distribution and service are organized in a network of branches and partners all over the world. 50% of the production is exported.

ASSOCIATED MEMBERS

An associated membership in Swerig is open to non-profit associations with complementary expertise.



Business Sweden

www.business-sweden.se

Business Sweden facilitates and promotes the growth of Swedish companies abroad and investment opportunities for foreign companies in Sweden.



Nordic Infracenter

www.nordicinfacenter.se

Nordic Infracenter has the ambition to become a hub for railway related companies in Sweden. We make concrete efforts to strengthen small and medium sized railway related companies and training actors, and develop their competitiveness. This applies to local, regional, national and international markets.



KNRBB

www.knrbb-gmbh.de

Kompetenznetzwerk Rail Berlin-Brandenburg (KNRBB) is an international company network based in Germany in the field of rail transport. With about 70 members from different countries, the network is a neutral link between business, research and politics. Together with its members, the network develops and implements projects and innovative project ideas.



The Railway Cluster

www.jarnvagsklustret.se

The Railway Cluster in Västerås is a cluster cooperation between railway technology companies located in Västmanland Region. The cluster provides a cooperation platform, who involves the important topics as Competence, Innovation and Social development to achieve good and sustainable businesses for the member companies.

Interested in becoming a member?

Swerig is a non-profit organization, financed by member and projects fees from the member companies. An associated membership does not imply any membership fees.

You are interested in becoming a member and wish more information?

Give us a call at **+46 8-782 08 50** or send us an email to **swerig@tebab.com**.

Please visit our website www.swerig.com for more information and follow us on LinkedIn www.linkedin.com/company/swerig.

MEMBER BENEFITS

The major aim of our association is to support our members in increasing their export business. We initiate, co-ordinate and administrate a broad range of marketing activities on selected export markets.

Networking

We offer an extensive network of export and management people from various parts of the railway industry. We learn from each other!

Seminars

At our seminars, you get the chance to meet potential customers from around the world. Experts provide information about business opportunities in various markets and a broad range of other export-related topics.

Exhibition-projects

We arrange joint stands at leading railway fairs, providing our member companies with a cost-efficient possibility to join exhibitions in Sweden and abroad.

B2B-projects

We organize B2B-trips to potential customers in other countries.

Export dialogue

We keep a dialogue with Swedish authorities regarding how the Swedish export support system can be improved and more adapted to the needs of the railway industry.



c/o Teknikföretagens Branschgrupper AB

Box 5510, SE-114 85 Stockholm

Visiting address: Storgatan 5

swerig@tebab.com • +46 (0)8 782 08 50 • www.swerig.com