



Explore Swedish technology

Your gateway to

advanced Swedish railway technology

### Swedish technology at the forefront.

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. Swerig is the central contact for international stakeholders interested in Swedish railway expertise.

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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.

#### Welcome to SWERIG

- the Swedish Rail Industry Group



SWERIG Swedish Rail Industry Group 2024

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### Explore Swedish technology

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 to rolling stock including components to railway software.



#### Alstom Sweden Alstom.com/alstom-sweden • Stockholm, Sweden

Railway vehicles, signalling equipment, traction & control As a global leader in the rail industry, we cover the full spectrum of rail solutions, ranging from trains to subsystems 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.



#### ARTEX AB Artex.se • Mjölby, Sweden

#### Passenger seats, seat refurbishment

Artex designs, redesigns, manufactures, refurbishes and upgrades seats beds, covers and other interior components for trains and public interiors. Certified according to ISO-14001 and 9001. When refurbishing a train of 10 000 seats using Artex refurbishment skills, you save around €8 millions and 600 Tons of CO2eq, compared to making new purchases.



Axis Communications AB Axis.com • Lund, Sweden

#### 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.



#### Backer BHV AB Backergroup.com • Sösdala, Sweden

#### Heating and control solutions

Backer BHV focuses on HVAC and Comfort Heating and have more than 60 years of accumulated competence and experience in the rail sector. Main product technologies are tubular elements, aluminium profiles as well as measurement and control devices. Calesco, a business unit within Backer BHV, offers the widest product range of all flexible foil heater manufacturers in the world. Backer BHV and Calesco are two units in the NRC cooperation, and part of the NIBE Element Group, offering solutions primarily to the rolling stock market.



Cactus Rail AB Cactusrail.se • Mölndal, Sweden

Smart traffic management of all interlockings Cactus offer a unique solution to achieve smart infrastructure by making generations of old and new technology work together – increasing performance at a lower cost. Cactus TMS has sufficient capacity to centralise the management of your railway regardless of the type of the vendor of interlocking. We thrive in projects where there has been a mixture of different types of interlocking, with demanding requirements for integration between old and new technology. We help unify your diverse infrastructure.



#### Decel Decel.se • Överhörnäs, Sweden

#### Deceleration system for safe

goods handling on marshalling yards Deceleration made simple with a legacy spanning 50+ years, our proven technology continues to redefine marshalling yard excellence. Optimize cargo logistics, maximize productivity and prioritize personnel safety. Our products has been proven to be a winner for reliability and we provide services for simulate and optimate production flow. No need to use complex beambrakes or use it as a complement to beams. The retarder can also be installed in bends and switches allowing longer sorting sidings nd less derailing.



#### Deliner Couplers AB Deliner.com • Falun, Sweden

#### Train connection systems

Dellner Couplers is the world leading supplier of complete Train Connection Systems. We provide couplers, gangways, hatches, dampers and Crash Management Systems as well as global aftermarket services for the train manufacturers and operators all over the world. The head office is located in Vika, outside Falun in Sweden. Dellner has sales and service organizations in 15 countries. The turnover is 200 MEUR with around 1100 employees located across the globe.



Elpress AB Elpress.net • Kramfors, Sweden

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



#### Goldschmidt Sweden AB Goldschmidt.com • Osby, Sweden

Road-Rail Vehicles for maintenance and construction Goldschmidt Sweden is one of the world's leading manufacturers of road-rail vehicles. Our range encompasses catenary maintenance vehicles, tunnel and bridge inspection vehicles, grinding and welding vehicles, and other customized solutions for the maintenance and construction of tracks.

### Heidelberg Materials

#### Heidelberg Materials Heidelbergmaterials.com • Växjö, Sweden

#### Precast concrete railway products

Leading supplier of precast concrete railway products alone and together with internationally renowned partners. Scope includes technology, product design and development as well as construction and installation of production equipment. Product portfolio includes mainline and turnout sleepers, slab track panels, catenary poles and grade crossings. Member of CHARMEC since 1995 and active as supervisor within several Ph.D. projects. Abetong is a part of Heidelberg Materials one of the world's largest integrated manufacturers of building materials and solutions with leading market positions in cement, aggregates, and readymixed concrete.



#### Icomera AB Icomera.com • Göteborg, Sweden

Internet connectivity and platforms for complete transportation 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.

# SOFIEX

Isoflex AB Isoflex.se • Gustafs. Sweden

#### 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.

### **Kockum Sonics**

#### **Kockum Sonics AB** Kockumation.com • Malmö, Sweden

#### Warning horns for rolling stock

Kockum Sonics offer air driven as well as electronic train warning horns for all types of rolling stock. Kockum Sonics has a proud legacy dating back to 1840 and has ever since that led the development and availability of train horns. With a slim design, the solutions are high performing with a small footprint, allowing for an efficient and sustainable solution.



#### Latronix AB Latronix.se • Täby, Sweden

#### Measuring systems for

#### detection of track and catenary faults

Latronix develops and manufactures measurement systems for railway applications. The measurement systems are based on laser technology in combination with highperformance 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 highspeed 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.



#### **Metalcolour** Metalcolour.com • Ronneby, Sweden

#### Specialists in coated steel and aluminium

After 50 years of providing the highest quality laminated metals to the marine industry, Metalcolour announces its presence to the world of trains. Dobel Film Laminated Aluminium could not be better suited to the design and manufacture of tomorrow's train interiors. With Dobel F105 we set out to replace older manufacturing methods with new, more efficient techniques. These changes result in the reduction of lead-times, buying-stages and have a significant effect on lowering the cost. It is fully approved according to EN 45545 HL3 and could be used for walls, ceilings, seating, tables and doors.



#### **MIC Nordic AB** Micnordic.se • Kista, Sweden

#### Solutions for indoor mobile coverage

MIC Nordic 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 guality coverage in indoor environments such as residential and office buildings, garages and tunnels, trains and vehicles, shopping malls, exhibition centres and hospitals.



#### Norconsult AB Norconsult.se • Göteborg, Sweden

#### Engineering 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** Oxyfi.com • Stockholm, Sweden

Internet access solutions for the public transport sector Oxyfi is a leading provider of internet access solutions to the public transportation sector. We connect vehicles including rolling stock, buses and ferries to the internet using several simultaneous mobile data carriers for the best possible capacity and robustness. We also equip our customer's vehicles with both wired and wireless managed LAN. This communications architecture is monitored 24/7 and is typically shared across various systems and vendors on-board. In addition, Oxyfi also offers a set of software modules for effective management of large passenger volumes wanting to connect their laptop or mobile phone to the internet via WiFi. Oxyfi's solutions meet international standards including EN 50155, EN 45545 and E-mark certification. Our team consists of specialists in data communication and open software design solutions. We have deep knowledge of the requirements and standards specific to the railway industry. Oxyfi retrofits systems and supports in-factory fitting during manufacturing of new train-sets.

### PROVER

#### **Prover Technology** Prover.com • Stockholm, Sweden

#### Signalling Design Automation

Prover is a world leader in formal methods and formal verification for safety critical systems. We provide solutions for interlocking 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.

## Roxtec

#### Roxtec International AB Roxtec.com • Karlskrona, Sweden

#### Cable and pipe transits

Cable and pipe transits for protection in railway industry against fire, dust, water, pressure differences, explosion and electromagnetic disturbances. Typical applications include cable sealing in Rolling Stock and in Trackside Equipment and cabinets.



#### Saft AB Saftbatteries.com • Oskarshamn, Sweden

#### High-tech batteries

Saft is world leading in design and manufacture of hightech batteries for rail and mass transit systems. With approximately 4,000 employees worldwide, Saft is present in 17 countries. Its 16 manufacturing sites and extensive sales network enable the group to serve its customers worldwide.



Stockholms Spårvägar Vision och Tradition

#### Stockholm Spårvägar AB Ss.se • Stockholm, Sweden

Tram line operator & vehicle and rail maintenance Stockholm Spårvägar AB currently operates modern and heritage tram line services and provides vehicle and rail maintenance. More than 9 million passengers are yearly transported on Lidingöbanan and Spårväg City in Stockholm. Our vision is to offer the Nordic market a comprehensive offer in public transport services with high guality, satisfied customers and employees, and with a good return.



#### Syntronic AB Syntronic.com • Gävle, Sweden

Design and production of industrial applications Syntronic is a leading Design House with expertise and long experience in industrial applications. We deliver services along the entire life cycle of the product, from conception to end-of-life. This includes maintenance and test as well.



#### TMW Sweden AB Tmw-sweden.se • Gävle, Sweden

#### 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.



U-Lift AB U-lift.se • Backaryd, Sweden

Wheelchair lifts and ramps Wheelchair lifts and wheelchair ramps for trains, trams, buses and minibuses.



#### Univox by Edin Univox.eu • Lidingö, Sweden

#### Hearing loop systems

World's leading expert and producer of high-guality hearing loop systems. Our mission is to serve the hearing aid community with the highest degree of service and performance with a strong focus on Research and Development for new technical solutions while providing products, support and guidance to the PIS-integrators. 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.



#### Vossloh Nordic Switch Systems AB Vossloh-nordic.com • Ystad, Sweden

Modern track technology Vossloh Nordic Switch Systems offers comprehensive

expertise and resources in everything related to modern track technology, from prefabricated railway switches gears and tailor-made deliveries, to specialised design support and asset management solutions. In the Nordics we operate in Sweden, Norway, Denmark, and Finland. We are a part of Vossloh AG, a company listed in Germany, with an average of 3,482 employees and in 2020 sold goods and services for EUR 869.7 million. Vossloh is one of the world's leading rail technology companies. Infrastructure for railways is our core business and we offer it to customers all over the world. Through our deliveries, we contribute to a safer, more sustainable, and environmentally friendly way of transporting people and goods.

## Westermo

#### Westermo Network Technologies AB Westermo.se • Västerås, Sweden

Data communication equipment State of the art data communication equipment for trackside and rolling stock applications.



#### Westerstrand Urfabrik AB Westerstrand.se • Töreboda, Sweden

#### Time systems for railway

Westerstrand Urfabrik AB has a long tradition of manufacturing industrial and commercial time systems. It was founded already in 1906 as a small watchmaker business. Today Westerstrand manufactures, develops, designs and sells modern time and display products for areas such as public transportation, industries, hospitals, offices, schools, sport halls and sport arenas. Westerstrand is well known and distributes products all over the world. Westerstrand offers the market products and services based on the latest technology.

### Associated members

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



**Business Sweden** Business-sweden.com

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

#### JARNVAGSKLUSTRET RAILWAY CLUSTER of SWEDEN

#### The Railway Cluster Jarnvagsklustret.se

Järnvägsklustret 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.

#### KOMPETENZNETZ RAIL Berlin-Brandenburg GmbH

### **KNRBB**

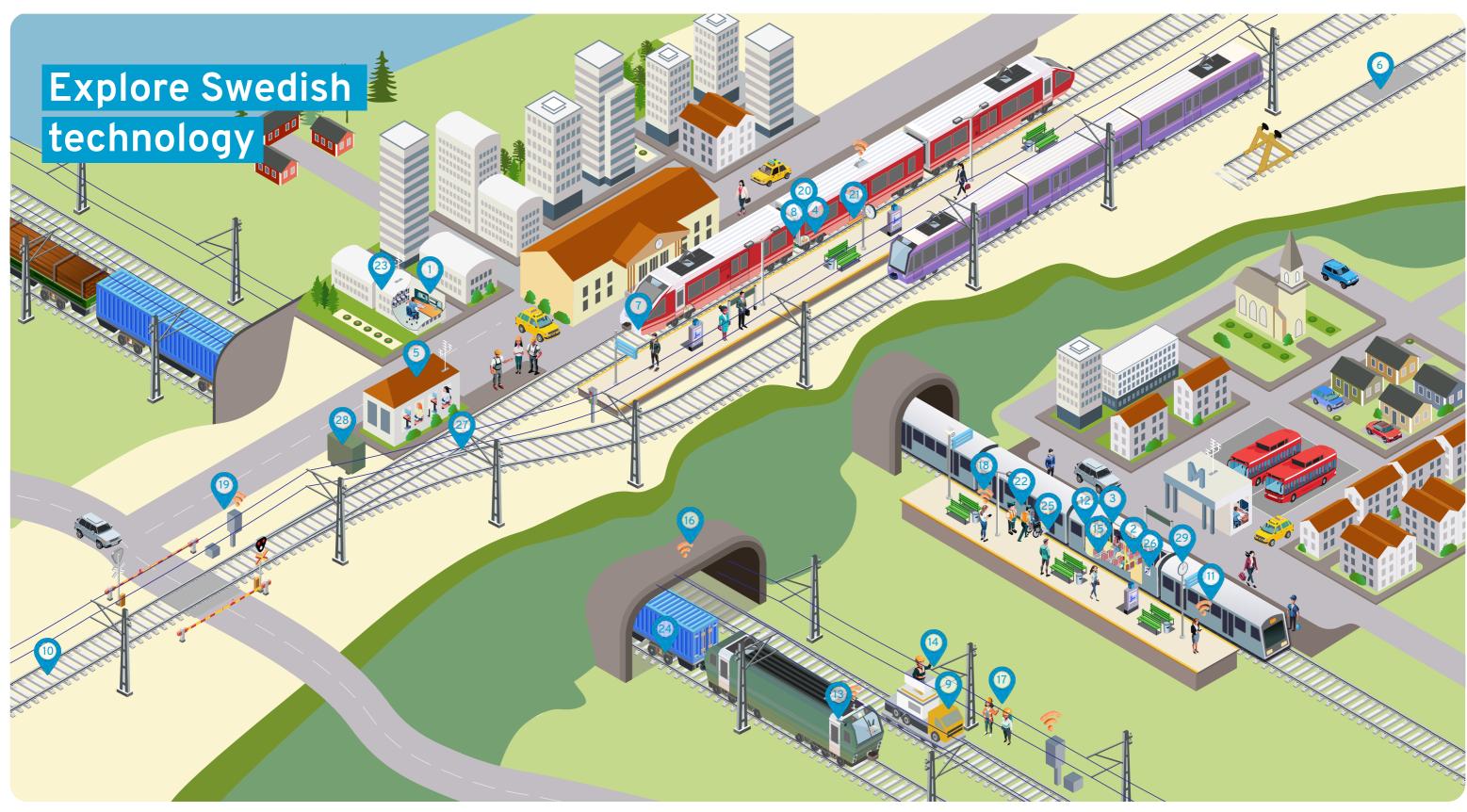
Knrbb-gmbh.de

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.



#### **Nordic Infracenter** Nordicinfracenter.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.



1. Alstom Sweden Railway vehicles, signalling equipment, traction & control

2. Artex Passenger seats, seat refurbishment

3. Axis Communications Network video solutions

4. Backer BHV Heating and control solutions

5. Cactus Rail Smart traffic management of all interlockings

6. Decel Deceleration system for safe goods handling on marshalling yards

7. Dellner Couplers Train connection systems

8. Elpress Electric connection systems

9. Goldschmidt Road-Rail Vehicles for maintenance and construction

10. Heidelberg Materials Precast concrete railway products

#### 11. Icomera

Internet connectivity & platforms for complete transportation communication solutions

12. Isoflex Insulation systems and products

13. Kockum Sonics Warning horns for rolling stock

14. Latronix Measuring systems for detection of track and catenary faults

15. Metalcolour Specialists in coated steel and aluminium

16. MIC Nordic Solutions for indoor mobile coverage

17. Norconsult Engineering consultancy

18. Oxyfi Internet access solutions for the public transport sector

**19. Prover Technology** Signalling Design Automation

20. Roxtec International Cable and pipe transits

21. Saft High-tech batteries

22. Stockholm Spårvägar Tram line operator & vehicle

and rail maintenance 23. Syntronic Design and production of industrial applications

24. TMW Sweden Contract manufacturer for rail components

25. U-Lift Wheelchair lifts and ramps

26. Univox by Edin Hearing loop systems

27. Vossloh Nordic Switch Systems Modern track technology

28. Westermo Network Technologies Data communication equipment

29. Westerstrand Urfabrik Time systems for railway

## Join SWERIG

Would you like to find new ways to reach potential customers, increase your export business, expand your network and improve your company's knowledge? A membership in Swerig offers your company and employees many benefits.

#### Exhibit in affordable joint stands

Benefit from Swerig's cost-effective joint stands at trade shows in Sweden and internationally. We take care of the organization – and your company can focus on sales!

#### Meet with decisionmakers

Join our export visits to various international markets or participate in our exclusive meetings with procurement managers from potential customers.

#### Seminars on new business opportunities

Explore business opportunities in countryspecific seminars with speakers from international manufacturers, train operators or embassies.

#### Export training courses

Build your knowledge with a variety of exporting courses in areas such as international trade agreements, business culture or procurement.

#### Exposure and marketing

All member companies are presented on Swerig's website, and we regularly market our members in social media and features like Member of the Month.

#### Exchange of experiences and collaboration

Swerig's members offer a large number of different products and solutions. The common ground is a strong focus on exports – a unique opportunity for exchanging experiences with companies facing similar challenges!



Membership information