



TRAIN  
CONNECTION  
SYSTEMS

DELLNER  
IN THE **SCANDINAVIAN  
MARKET**



# DELLNER SWEDEN

DELLNER IS AN INDUSTRY LEADER IN THE **DESIGN, MANUFACTURE AND SERVICE OF TRAIN CONNECTION SYSTEMS** FOR TRAIN BUILDERS AND RAIL OPERATORS WORLDWIDE.

Dellner Couplers is based in the small town of Vika, within the borough of Falun in Dalarna province, where the company's success story began over 80 years ago. Today, the Swedish site employs more than 200 people, including the company's executive board, central services, and the management teams for various Business Units. It also houses a large engineering department, sales and service teams for the Scandinavian market, and the company's administration. Additionally, the facility handles couplers assembly for the local market, underscoring its role as an important hub for Dellner's operations.

In Sweden, Dellner is also represented by Dellner Dampers, which develops and produces dampers as well as buffers for the railway industry. Additionally, the company supplies products to a wide range of other industrial sectors, such as bridges, spreaders, ship-to-shore cranes, wind turbines, and more.

## SERVICES OFFERED:



OVERHAULS



MODERNISATIONS



REPAIRS



TRAININGS

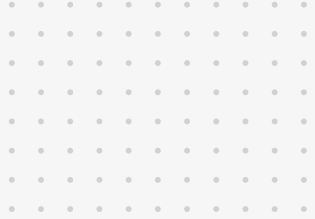


SPARE PARTS





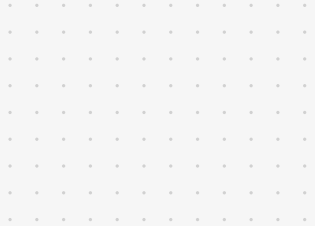
***NEW SALES***  
*REFERENCE PROJECTS*

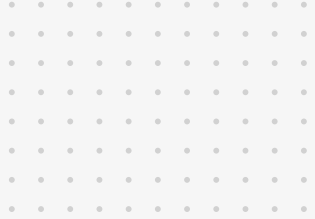


## CIVITY NORDIC PLATFORM

Trains for the South Sweden Krösätåg project are produced by CAF. They belong to the Civity Nordic platform, designed to operate in extreme weather conditions (from -40 C to +40 C). EMU (electrical) trains will run on the Krösätåg line, while BMUs (bimodal) will operate on the Kustpilen lines, where an electrification project is under way.

<b>Customer/Car builder:</b>	CAF
<b>Operator:</b>	AB Transitio
<b>Products:</b>	Automatic couplers: 56 Gaiters: 56 Articulation joints: 84 Adapters: 28
<b>Quantity of trains:</b>	28
<b>Location:</b>	Sweden

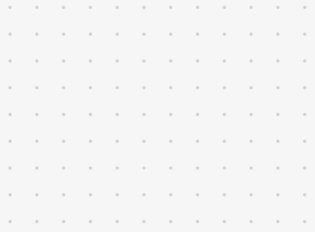


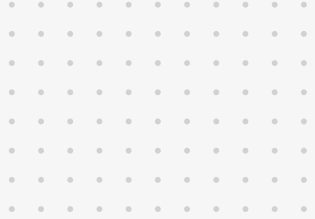


## URBOS TRAMS

The fleet of Urbos trams is operated by Storstockholms Lokaltrafik (SL AB), the company responsible for the transport network in Stockholm. These are low-floor bidirectional trams, consisting of 3 and 4 modules, respectively. The trams belong to the Urbos AXL family, which has been specially designed for the extreme weather conditions of Scandinavia and have the most advanced equipment in terms of safety and comfort.

<b>Customer/Car builder:</b>	CAF
<b>Operator:</b>	Storstockholms Lokaltrafik
<b>Products:</b>	Automatic couplers: 70
<b>Quantity of trains:</b>	35
<b>Location:</b>	Sweden



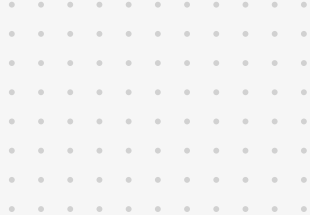


## ZEFIRO EXPRESS

These three-car trains are designed by Alstom (former Bombardier) for high capacity and the ability to operate under the severe weather conditions in the Västra Götaland region. The trains operate at speeds of up to 200 km/h and guarantee low-floor and multi-purpose areas.

<b>Customer/Car builder:</b>	Alstom (former Bombardier)
<b>Operator:</b>	Västtrafik
<b>Products:</b>	Automatic couplers: 90 Semi-permanent couplers: 180 Adapters: 55
<b>Quantity of trains:</b>	45
<b>Location:</b>	Sweden

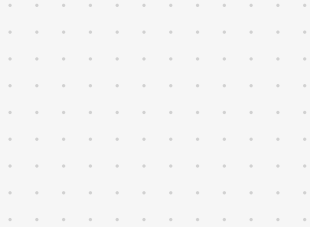


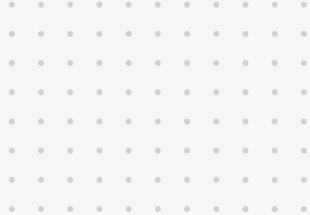


## MOVIA C30

Alstom (former Bombardier) customised the new high-technology MOVIA C30 Metros to meet the specific requirements of Stockholm's lines for accessibility, reliability and passenger comfort. Trains are operated by the Stockholm Public Transport Authority (Storstockholms Lokaltrafik - SL AB).

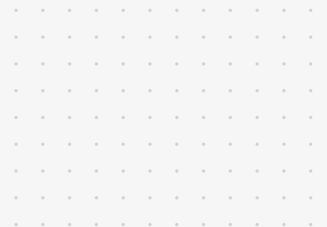
<b>Customer/Car builder:</b>	Alstom (former Bombardier)
<b>Operator:</b>	Storstockholms Lokaltrafik
<b>Products:</b>	Automatic couplers: 192 Semi-permanent couplers: 288
<b>Quantity of trains:</b>	96
<b>Location:</b>	Sweden





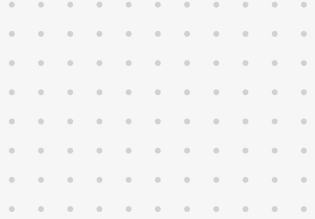
## X15p

These EMU vehicles, operated by SJ on the Roslagsbanan line, which is a 65 km long rail network, run between Stockholm and its north-eastern suburbs. The fleet has been specially designed for demanding winter conditions, ergonomics and comfort, performance and reliability. Dellner delivers semi-permanent couplers, and automatic couplers compatible with the existing fleet, including an advanced winter protection gaiters.



<b>Customer/Car builder:</b>	Stadler
<b>Operator:</b>	Storstockholms Lokaltrafik
<b>Products:</b>	Automatic couplers: 44 Semi-permanent couplers: 88 Gaiters: 44
<b>Quantity of trains:</b>	22
<b>Location:</b>	Sweden

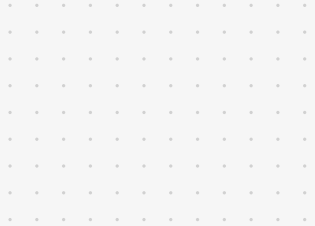




# FLIRT

EMU five-part electric multiple units FLIRTs from Stadler, operated by NSB, are partly in service in the suburban rail transport in the Oslo and Bergen area with travel times of up to 40 minutes. The other part of the fleet is used in the south of Norway and is specifically designed to make journeys of up to three hours. The trains are approved for a maximum speed of 200 km/h and perfectly adapted to the severe winter conditions in Norway.

<b>Customer/Car builder:</b>	Stadler
<b>Operator:</b>	NSB
<b>Products:</b>	Automatic couplers: 272
<b>Quantity of trains:</b>	136
<b>Location:</b>	Norway





# **DELLNER SERVICE** REFERENCE PROJECTS



## X10P

During 2017-2022, Dellner handled the overhaul project with VR Sverige AB (former Arriva) for Roslagsbanan. Roslagsbanan is the commuter railway system in Roslagen, Sweden, with 38 stations spread over 65 km. The line starts in Stockholm, goes north and splits into 3 lines, which terminate in Näsby park, Österskär and Kårsta. It is one of the most popular railways in Sweden (approx. 50 000 passengers per day). Since 2010, the trains in service in Roslagsbanan have been modernized, and new trains have been successfully tested.

<b>Coupler manufacturer:</b>	Dellner
<b>Maintainer:</b>	VR Sverige AB (former Arriva)
<b>Service:</b>	Overhaul of automatic couplers: 208
<b>Quantity of trains:</b>	111
<b>Year of service:</b>	2017-2022
<b>Location:</b>	Stockholm, Sweden

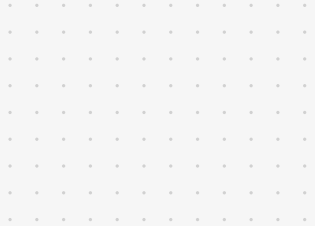




## CORADIA X62

Coradia X62 is a commuter fleet built by Alstom featuring trains designed for both short and longer journeys. This fleet is 95% recyclable and has a low-floor design, facilitating embarkment and disembarkment for all types of travelers. The fleet is operated in the North of Sweden by Norrtåg.

<b>Coupler manufacturer:</b>	Dellner
<b>Maintainer:</b>	Euromaint
<b>Service:</b>	Overhaul of automatic couplers: 24
<b>Quantity of trains:</b>	12
<b>Year of service:</b>	2022-2023
<b>Location:</b>	Northern Sweden

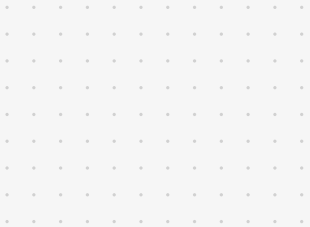




## X2

The X2 is a long-distance high-speed train developed for the curved railway tracks of Sweden, where it can operate at speeds of up to 200km/h. It can do this while keeping rail/wheel forces low with radial-steered bogies and, at the same time, performing comfortably for passengers by tilting the coaches. The X2 was introduced in 1990 and was considered very high tech at the time. It has had several upgrades during the years; a major upgrade is currently ongoing.

<b>Coupler manufacturer:</b>	Dellner
<b>Maintainer:</b>	SJ
<b>Service:</b>	Overhaul of automatic couplers Overhaul of semi-permanent couplers
<b>Quantity of trains:</b>	44
<b>Year of service:</b>	2016-ongoing
<b>Location:</b>	Stockholm, Sweden

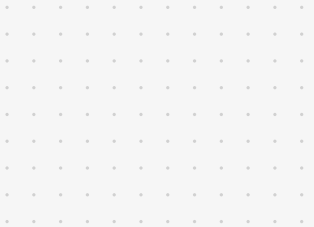




## CLASS 71 – FLYTOGET

Flytoget is the Norwegian high-speed airport railway service, which operates between Oslo airport and Oslo city center. Class 71 electric multiple units are operated by Flytoget AS. The fleet has pressure-tight cabins to allow comfortable travel through tunnels at high speed and step-free access to the trains.

<b>Coupler manufacturer:</b>	Dellner
<b>Maintainer:</b>	Mantena
<b>Service:</b>	Overhaul of automatic couplers: 34
<b>Quantity of trains:</b>	16
<b>Year of service:</b>	2022
<b>Location:</b>	Oslo Airport Express, Norway

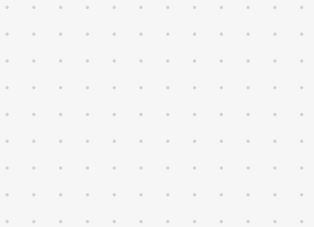




## 73 A&B

Type 73B is an electric motor vehicle produced by ADtranz at Strømmen Værksted in Norway. Mid-life upgrading was carried out between 2014 - 2017. The train type is used as a regional train on the Østfold Line and to Gothenburg. The trainsets have active tilting and pressure tightness.

<b>Coupler manufacturer:</b>	Dellner
<b>Maintainer:</b>	Mantena
<b>Service:</b>	Rebuild of retractable automatic coupler to a fixed mounted automatic coupler
<b>Quantity of trains:</b>	20
<b>Year of service:</b>	2013
<b>Location:</b>	Oslo, Norway

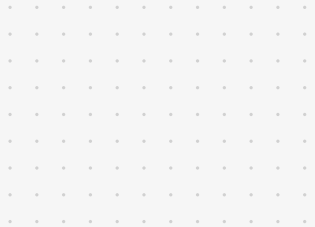




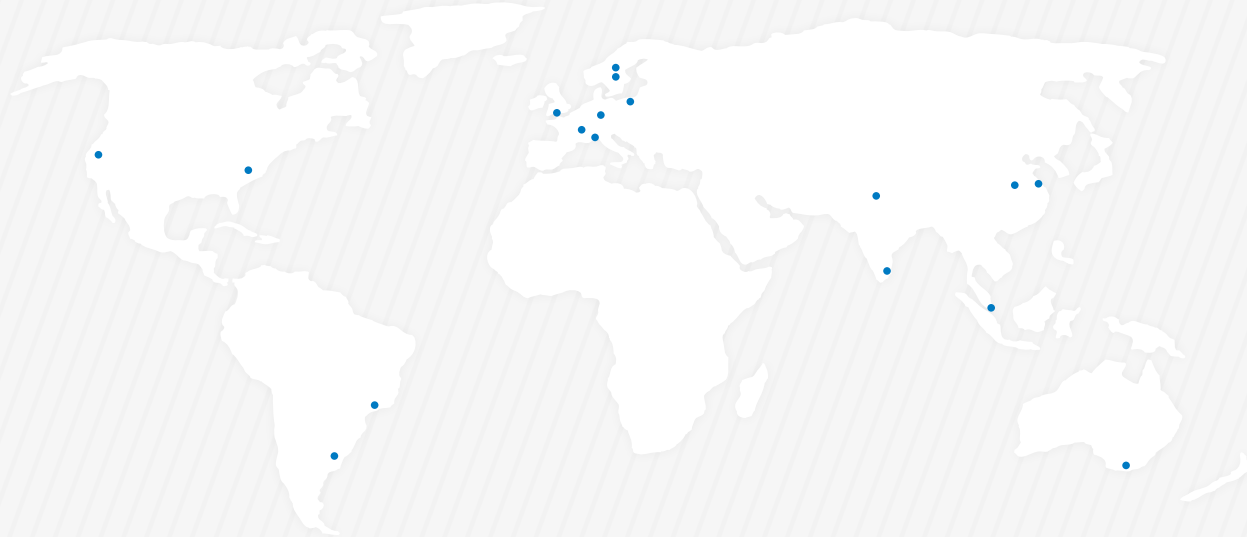
## EMU TYPE 74/75

EMU type 74/75 is an electric motor vehicle produced by Stadler Bussnang in Switzerland and Poland. The train type is used as a regional train in Eastern Norway, operated by VY. The trains operate quietly and have several spacious areas with low floors that increase capacity when necessary.

<b>Coupler manufacturer:</b>	Dellner
<b>Maintainer:</b>	Stadler Rail Service
<b>Service:</b>	Overhaul of automatic couplers: 70
<b>Quantity of trains:</b>	136
<b>Year of service:</b>	2020-ongoing
<b>Location:</b>	Eastern Norway







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