

Our fleet and networks



New additions to our fleet and networks

Investing in the modernization and expansion of our rolling stock, our networks and our facilities keeps us up-to-date and competitive, and creates added value for our customers.



ICE 2 REDESIGN COMPLETED

The modernization of all 44 ICE2 trains has been completed. The interiors have been completely dismantled, repaired and reassembled, partly with new components. Improvements include more loading space, new information screens, and the renovation of restaurant and bistro cars and the small children compartment.



MORE TALENT 2 TRAINS IN SERVICE

The new Talent 2 electric multiple units (EMUs) feature greater comfort for passengers and an excellent level of energy efficiency, including a system for energy recovery. Of the almost 300 vehicles ordered, more than 260 have been delivered so far.



LOGISTICS CENTER OPENED IN JAPAN

We have opened in Japan our largest logistics center to date. The center is located in Baraki, only 25 kilometers from the center of Tokyo. DB Schenker uses the Baraki Logistics Center, which extends over a total area of 33,000 square meters, for various customers.



NEW PREMIUM BUS SERVICE IN ENGLAND

Eleven new VDL SB200 Wrightbus Pulsar buses form part of DB Arriva's new Sapphire premium bus service in Great Britain. The total of 41 Sapphire buses offer passengers the highest level of comfort, with Internet access, power sockets and luxury seating providing extra leg room, among other things.



MODERNIZATION OF IC AND EC CARS CONTINUED

We will be modernizing some 770 cars belonging to our Intercity and Eurocity fleet by the end of 2014. About 500 cars had already been modernized by the end of 2013. The modernization of these cars will significantly increase passenger comfort.



IC BUS SERVICE EXTENDED

Both domestic and foreign IC bus connections have been extended. Our double-decker buses are equipped with modern comfort and safety features, with air-conditioning, generous leg room and free WiFi access, power sockets at every seat, drinks and snacks on board, sufficient space for luggage and toilet facilities. In addition, some of the buses have space for a wheelchair, which is accessed at low-floor level via a ramp which is carried along.

NEW HYBRID SHUNTING LOCOMOTIVE

We are systematically proceeding with our testing of environmentally friendly and efficient hybrid technology in the area of shunting. DB Bahn Regional has been operating an Alstom 1001 hybrid locomotive in the Southeast region since 2013.



127 NEW VOLVO HYBRID BUSES

In 2013, we acquired 77 new Volvo B5L hybrid buses for our regional bus fleet in Great Britain. In addition, DB Arriva increased the number of hybrid buses in operation in London by 50. The Volvo hybrid bus has a spacious interior and is one of the most efficient hybrid vehicles on the market.



CAPITAL EXPENDITURES IN NEW SOLO BUSES

We procured more than 300 new solo buses for our fleet in the year under review. These buses comply with the highest standards of safety, cost-effectiveness and travel comfort. We also added more than 50 articulated buses and coaches to our fleet.



NEW LOCOMOTIVES FOR POLISH FREIGHT TRANSPORT

Delivery of an order for a total of 23 Siemens Vectron 170 series freight transport locomotives to DB Schenker Rail Polska continued, so that there are now eight new electric locomotives in use, replacing older locomotives. The locomotive has been designed to operate on the Polish direct current grid.





EXPANSION OF WAREHOUSE SITE IN CHINA

We have expanded the size of our distribution center in the Chinese city of Kunshan, not far from Shanghai, to 47,000 square meters. This center is one of DB Schenker's two largest warehouse sites in China and one of its largest facilities in the entire Asia/Pacific region.



FIRST-TIME DEPLOYMENT OF DOUBLE-POCKET CARS

In 2013, we purchased 130 Sdggmrs 738 pocket cars for the first time. This type of freight car is very versatile, offering a wide variety of transport options: it can be loaded with two semi-trailers, four swap bodies or four ISO containers.



NEW DB BAHN REGIONAL PLANT IN NUREMBERG

We opened a new plant in Nuremberg-Gostenhof after three years of construction work to consolidate the former workshop sites at Gostenhof and Dürrenhof into one central site. We have invested € 66 million in the new 130,000-square-meter plant.



FIRST BIOGAS TRUCK IN SWEDEN

We have put the first biogas truck to run on so-called frozen biogas into operation in Sweden. This refers to a type of gas containing methane that is used as an alternative fuel. Biogas is a product of the fermentation of biomass.



DB SCHENKER NETWORK EXPANDED

DB Schenker acquired 100% of the shares in its long-standing partner Euro-Line Panamericana in Panama, thereby expanding its network in one of the growth markets within Central America. Euro-Line is already one of the leading freight forwarding companies for maritime imports.



DB ARRIVA EXPANDED NETWORK

As a result of its takeover of the Eastern European business of Veolia Transdev, DB Arriva is now the largest international provider of passenger transport services in Eastern Europe, having expanded the existing business in Poland, Slovakia and the Czech Republic and entered the Croatian, Serbian and Slovenian markets.



OPENING OF CITY TUNNEL LEIPZIG

The new City Tunnel in Leipzig, with its two single-track, 1,438-meter-long tunnels, was launched in December 2013. The fast North-South corridor, which passes under Leipzig city center, enables us to offer new, direct regional connections and considerably reduced journey times. Four new underground and five new overground stations were also constructed. The opening of the structure, which cost € 960 million to build, marked the completion of the largest construction project in the Federal state of Saxony.

FLINKSTER SERVICES NOW ALSO AVAILABLE IN VIENNA

In Austria, “Flinkster – my car-sharing” services have also been directly available to customers in more than ten districts of Vienna, in addition to those in Salzburg, since August 2013. The fleet consists of 50 vehicles that can be booked and used around the clock.



MÜNSTER CENTRAL STATION: OPTIMIZED ACCESSIBILITY

The Münster central station was modernized between 2010 and 2013 for the purposes of improving accessibility, with a € 40 million being invested in the renovation of platforms and roofs, the construction of eight escalators, four elevators and one underground walkway, and for a better quality of passenger information.



NEW RAIL GRINDING MACHINES

We have acquired two new high-performance rail grinding machines for preventative maintenance for about € 40 million. These will enable the operating speed to be doubled as compared to the machines previously used, which will significantly reduce the line closure times due to grinding work.



TEST START FOR THE INTERLOCKING OF THE FUTURE

In Annaberg-Buchholz, we launched the “Interlocking of the future” pilot project for the use of intelligent communications networks in the control technology context, which uses newly developed standardized data interfaces to connect signals and switches to the internal system of the interlocking.



DB Bahn Long-Distance

— ICE trains: 253 (59 ICE 1, 44 ICE 2, 67 ICE T, 19 ICE TD and 64 ICE 3) —
Locomotives: 266 — Passenger cars: 1,854 — Seats: 204,524 (43,523 in 1st class
and 161,001 in 2nd class) — Trains per day: 1,351 —





ICE 2 (ELECTRIC MULTIPLE UNIT)

The ICE 2 is a high-speed, eight-section multiple unit, consisting of a power car, six intermediate cars and a driving car. The redesign of the ICE2 fleet carried out by DB Vehicle Maintenance was completed in 2013 and included the complete redesigning and renovation of the restaurant car (with seating for 21 persons), the bistro car and the small children compartments, among others. The ICE2 is mostly operated in double traction mode, meaning two trains are coupled together.

- **MANUFACTURER** Consortium coordinator Siemens, Adtranz
- **COMMISSIONING** 1996 (redesign from 2011 to 2013)
- **POWER** 4,800 kW
- **MAXIMUM SPEED** 280 km/h
- **SEATS** 381
- **NUMBER AS OF DEC 31, 2013** 44



ICE 3 (ELECTRIC MULTIPLE UNIT)

The ICE3 is a high-speed, eight-section multiple unit. The under-floor single-axle power train drives 50% of the axles, allowing for rapid acceleration. The 13 multi-current system trains are easily adaptable to international electricity systems, which enables their cross-border use for long-distance transport services.

- **MANUFACTURER** Consortium coordinator Siemens, Bombardier Transportation
- **COMMISSIONING** 2000
- **POWER** 8,000 kW
- **MAXIMUM SPEED** 330 km/h
- **SEATS** 429/442 (403 series), 419/413 (406 series)
- **NUMBER AS OF DEC 31, 2013** 64 (403 series: 50/406 series: 14)



ICE T (TILT TECHNOLOGY MULTIPLE UNIT)

The ICE T (“T” stands for “tilt technology”) is our first electric tilt technology multiple unit. The ICET can tilt up to eight degrees on bends, enabling it to take bends at 30% higher speeds. As a result, the ICE T is up to 20% faster than conventional trains on winding routes.

- **MANUFACTURER** Consortium coordinator Siemens, Bombardier Transportation, Adtranz
- **COMMISSIONING** 1999
- **POWER** 4,000 kW (411 series), 3,000 kW (415 series)
- **MAXIMUM SPEED** 230 km/h
- **SEATS** 57/376 (411 series), 250 (415 series)
- **NUMBER AS OF DEC 31, 2013** 67 (411 series: 56/415 series: 11)

DB Bahn Regional

— Locomotives: 1,039 (884 electric locomotives and 155 diesel locomotives) —
Multiple units: 3,654 (1,587 S-Bahn (metro) trains, 1,433 diesel multiple units and 634 electric
multiple units) — Power cars: 9,899 — Passenger cars: 4,076 — Seats: 990,512
(73,418 in 1st class and 917,094 in 2nd class) — Trains per day: 23,770 — Buses: 13,696 —





442 SERIES EMU (TALENT 2)

The two- to five-section Talent 2 electric multiple units have been in service since November 2011 and are used in the Northeast region, for example. The trains are fully air-conditioned and highly energy efficient. Access for passengers with disabilities has been optimized, and can be easily adjusted to fit the height of every platform.

- **MANUFACTURER** Bombardier Transportation
- **COMMISSIONING** from 2011
- **POWER** 2,020–4,040 kW
- **MAXIMUM SPEED** 160 km/h
- **SEATS** 118–300 (depending on configuration)
- **ADDITIONS IN 2013** 134
- **NUMBER AS OF DEC 31, 2013** 266



EURO VI LOW-FLOOR LINE BUS

These buses are powered by diesel engines which comply with Euro VI, the most recent and most stringent European emissions standard, compliance with which is only mandatory from 2014 onwards. The low-floor design allows for step-free entry.

- **MANUFACTURER** EvoBus GmbH
- **COMMISSIONING** from 2013
- **POWER** 220 kW
- **MAXIMUM SPEED** 80 km/h
- **SEATS** 41/36 (depending on configuration)
- **ADDITIONS IN 2013** more than 50
- **NUMBER AS OF DEC 31, 2013** more than 50



DOSTO 2003 (766, 780, 781, 785, 786 SERIES)

These air-conditioned double-decker cars are part of the 2003 procurement series. The modern, satellite-supported passenger information system features train destination displays on the car exteriors, train destination and stop displays inside the cars, as well as LCD screens which show the remaining travel time to the next stop and details of connecting trains.

- **MANUFACTURER** Bombardier Transportation
- **COMMISSIONING** 2003–2012
- **MAXIMUM SPEED** 160 km/h
- **SEATS** up to 35 (1st class), up to 134 (2nd class)
- **ADDITIONS IN 2013** 0
- **NUMBER AS OF DEC 31, 2013** 646

DB Arriva

- Buses: 16,128 — Multiple units: 711 (60 S-Bahn (metro) trains, 445 diesel multiple units, 44 trams and 162 electric multiple units) — Power cars: 1,931 — Locomotives: 19 — Passenger cars: 96 — Seats: 119,123 (3,494 in 1st class and 115,629 in 2nd class) —





POLISH ED72 ELECTRIC MULTIPLE UNIT

In 2013, DB Arriva commenced the operation of four regional rail transport connections in the Kuyavian-Pomeranian region. We serve about 50 stations in the catchment area of the Northern Poland cities of Bromberg (Bydgoszcz) and Thorn (Toruń) with 12 multiple unit trains, four of which have been completely modernized for the new operations.

- **MANUFACTURER** Pafawag
- **COMMISSIONING/MODERNIZATION** 2013
- **POWER** 1,160 kW
- **MAXIMUM SPEED** 110 km/h
- **SEATS** 260
- **ADDITIONS IN 2013** 4
- **NUMBER AS OF DEC 31, 2013** 4



MAN ECOCITY GAS BUS

In Great Britain, 21 particularly environmentally friendly biogas buses produced by the German manufacturer MAN have been in operation since 2013. The MAN EcoCity gas buses run on CO₂-neutral liquefied biomethane, making DB Arriva one of the pioneers in the testing and introduction of alternative fuels in the context of European bus transport services.

- **MANUFACTURER** MAN
- **COMMISSIONING** 2013
- **POWER** 228 kW
- **MAXIMUM SPEED** 100 km/h
- **SEATS** 44
- **ADDITIONS IN 2013** 21
- **NUMBER AS OF DEC 31, 2013** 21



ALSTOM CORADIA LINT

DB Arriva operates 43 Lint trains in Jutland, Denmark. We purchased two additional Lint trains for our operations in the Netherlands in 2013. These trains have a comfortable low-floor design throughout, which makes it easier for passenger to get in and out and move about inside of the trains.

- **MANUFACTURER** Alstom
- **COMMISSIONING** 2013
- **POWER** 2x315 kW
- **MAXIMUM SPEED** 120 km/h
- **SEATS** 123 (Denmark) and 142 (the Netherlands)
- **ADDITIONS IN 2013** 2
- **NUMBER AS OF DEC 31, 2013** 45

DB Schenker Rail

— Locomotives: 3,067 (1,284 electric locomotives and 1,783 diesel locomotives) —
Cars: 91,930 — thereof own rolling stock: 83,574 (16,869 covered
cars, 27,873 open cars, 37,639 flat cars, 1,193 container cars) — Load capacity:
5,514 thousand t — Trains per day: 4,891 —





265 SERIES – GRAVITA

The Gravita locomotive is a diesel-hydraulic, four-axle center-cab locomotive designed for heavy freight-train shunting and regular service. It is powered by a 12-cylinder diesel engine and is suitable for multi-traction operations. Of the total of 31 environmentally friendly diesel locomotives with added soot particle filters ordered, 26 have already been delivered.

- **MANUFACTURER** Voith Turbo Lokomotivtechnik GmbH
- **COMMISSIONING** 2012–2014
- **POWER** 1,800 kW
- **MAXIMUM SPEED** 100 km/h
- **ADDITIONS IN 2013** 15
- **NUMBER AS OF DEC 31, 2013** 26



DOUBLE-POCKET CARS

The pocket car Sdggmrss 738 was procured for the first time in 2013 and offers a wide range of transport modes: it can be loaded with two semi-trailers, four swap bodies or four ISO containers, thanks on the one hand to its three adjustable axle stand settings and on the other hand to its variable interlock plates.

- **MANUFACTURER** Tatravagónka Poprad
- **DEADWEIGHT** 34,300 kg
- **LENGTH OVER BUFFERS** 34,200 mm
- **VEHICLE PAYLOAD** 100,000 kg
- **MAXIMUM SPEED** 120 km/h
- **ADDITIONS IN 2013** 130
- **NUMBER AS OF DEC 31, 2013** 130



CLOSED CAR-CARRYING WAGONS

We also purchased the two-part covered Hccrrs 328 car-carrying wagon unit for the first time in 2013. These wagons enable the protected transport of fully assembled premium grade vehicles. SUVs, passenger vehicles and vans with a total weight of up to 2,800 kilograms can be transported. The wagons are equipped with mechanisms for raising and lowering the roof and the upper loading deck for loading and unloading purposes.

- **MANUFACTURER** DB Waggonbau Niesky GmbH
- **DEADWEIGHT** 36,000 kg
- **LENGTH OVER BUFFERS** 28,520 mm
- **MAXIMUM SPEED** 120 km/h
- **ADDITIONS IN 2013** 42
- **NUMBER AS OF DEC 31, 2013** 42

DB Schenker Logistics

— *DB Schenker Logistics is a leading global logistics services provider* —
**Market positions: No. 1 in European land transport, No. 2 in global air freight, No. 3
in global ocean freight, No. 5 in global contract logistics** —





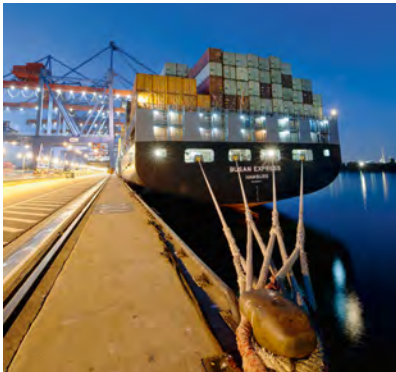
EUROPEAN LAND TRANSPORT

In 2013, we transported more than 95 million shipments via our European land transport network. With over 720 locations in 36 countries, DB Schenker offers some 32,000 scheduled line services throughout Europe, thereby linking all major economic regions. We continually renew our vehicle fleet for both environmental and economic reasons, and stringent monitoring measures also ensure that the fleets used by our sub-contractors are up-to-date.



AIR FREIGHT

DB Schenker is a major provider of air freight services, with a network of about 700 locations in 130 countries and an air freight volume of about 1.1 million tons in 2013. Some 1,200 charter flights per year provide us with extra freight capacity in addition to our daily line connections. One of the pioneers of the air freight industry, DB Schenker Logistics is today at the forefront with innovative air freight concepts. By virtue of our long-standing experience, we cooperate with a number of selected partners in both the air freight and the ocean freight contexts.



OCEAN FREIGHT

Our leading global ocean freight network of about 600 DB Schenker locations serves 130 countries around the world and operates 700 consolidated cargo routes. In 2013, we moved more than 5,200 containers a day with a total volume of just under 1.9 million TEU for our customers. Around the globe, we provide appropriate shipping options for each individual consignment, offering tailored transit times and flexibly integrated, multimodal pre- and post-carriage solutions.



CONTRACT LOGISTICS

We have a global contract logistics presence in over 50 countries and about 570 locations, providing 6.2 million square meters of state-of-the-art logistics space. We provide our customers with comprehensive, integrated logistics solutions along the entire supply chain or for sub-divisions of their logistics systems – from the supplier to delivery to the customer and from reverse logistics systems to after-market support. Our core area of expertise is the planning and handling of complex global supply chains.

DB Services

— *DB Fleet Management is one of Germany's leading providers of mobility and fleet management services — With our "Flinkster - my car-sharing" service, we offer an extensive network of mobility services to customers throughout Europe — The Call a Bike bicycle rental service completes our range of services —*





FLINKSTER

The simple, flexible principle behind “Flinkster – my car-sharing” is: sign up, reserve a car and drive off. Customers have access to some 3,100 cars at competitive rental rates at 800 stations in more than 140 towns and cities in Germany, and about 600 electric cars are available to rent in various cities. More than 250,000 customers have registered with Flinkster to date. Thanks to numerous partnerships, a further 2,000 additional cars can be rented not only in the neighboring countries of Austria, Switzerland and the Netherlands, but also around the world, from Spain to South Africa and Australia. Since 2013, we have been offering our “e-Flinkster” service in tourist areas such as Garmisch-Partenkirchen, enabling passengers to arrive at the train station, get into an electric car and continue their journey to the Alps in a comfortable and environmentally sound manner.



CALL A BIKE

Call a Bike provides customers with a flexible, healthy and environmentally friendly means of transport, and is available in the downtown areas of Frankfurt am Main, Berlin, Hamburg (StadtRAD), Cologne, Kassel (Konrad), Lüneburg (StadtRAD) and Stuttgart and at many ICE train stations. In 2013, we established ourselves as Germany’s market leader for bicycle rental systems, with about 3.5 million bike rentals, some 610,000 registered customers and about 8,500 bicycles. In addition, more than 100 red-and-silver bikes with electric motors (e-Call a Bikes) can be rented at the stations in Aachen and Stuttgart.



FLEET MANAGEMENT

DB Fleet Management develops customized fleet concepts tailored to the needs of individual businesses, offering a wide variety of fleet mobility modules for all manner of fleet-related organizational, administrative or repair requirements. A fleet-requirement consultation is conducted involving an analysis of business processes with respect to profitability, safety and quality issues. DB Fleet Management provides cars, transporters, vans and special vehicles for any purpose and any length of time. With the development of new mobility guidelines for Deutsche Bahn, DB Fleet Management provides a glimpse of the combined mobility systems of the future.

Infrastructure

— *Europe's largest track network spanning about 33,300 kilometers* —
— *About 390 DB Group and non-DB Group infrastructure customers* — *Some 39,000 trains operating per day* — *More than 1 billion kilometers traveled on the network per year* —





DB NETZE TRACK

DB Netz AG is Europe's no. 1 rail infrastructure company. An average of 2.8 million train-path kilometers were traveled daily on the DB Netze Track infrastructure in 2013, with an average of some 39,000 trains operating per day. In 2013, we continued to push ahead with the extensive modernization of our existing network, renewing almost 3,000 kilometers of track, about 1,800 switches, more than two million railway ties and about 3.5 million tons of ballast.

- **LENGTH OF LINE OPERATED** 33,295 km
 - **SWITCHES AND CROSSINGS** 69,400
 - **INTERLOCKINGS** 3,256
 - **LEVEL CROSSINGS** 13,890
 - **TUNNELS** 695
 - **RAILWAY BRIDGES** 24,982
-

DB NETZE STATIONS

In the DB Netze Stations business unit DB Station&Services AG operates 5,373 rail stations in Germany and markets some 1 million square meters of space. Many stations offer a wide range of shops and services. More than € 800 million is spent on maintenance and modernization every year. Assistance and services for passengers with mobility-limiting disabilities are provided by the Mobility Center.

- **TRAIN STOPS PER DAY** about 400,000
 - **PLATFORM SURFACE AREA** about 6,000,000 m²
 - **LOST-AND-FOUND ITEMS PER YEAR** about 250,000
 - **MOBILITY ASSISTANCE AND SERVICES PROVIDED** about 550,000 per year
 - **STATIONS** 5,373
-

DB NETZE ENERGY

DB Energie GmbH is our energy service provider, managing one of Germany's largest source-diversified energy portfolios. DB Group's energy business in Germany is conducted exclusively by DB Netze Energy, with the 350 non-DB Group train operating companies and trade, commercial and industrial customers it supplies with electricity, gas and diesel also benefiting from its expertise as the largest independent energy supplier.

- **TRACTION CURRENT GRID** 7,888 km
- **POWER, CONVERTER AND TRANSFORMER STATIONS** 53
- **RECTIFIERS** 113
- **GAS STATIONS** 194
- **MEAN VOLTAGE NETWORKS WITH TRANSFORMER STATIONS** 188
- **TRAIN PREHEATING PLANTS** 302



Photography

- **Cover** Max Lautenschläger
- **First double-page left** (top to bottom) Volker Emersleben, Uwe Miethe, DB Schenker, DB Arriva, Rainer Garbe
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- **Second double-page right** (top to bottom) Martin Jehnichen, DB Rent, Axel Hartmann, Hauke Hass, Jürgen Asam
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- **DB Bahn Regional** (left) Bartłomiej Banaszak, (right) JET-Foto Kranert, Imatec GmbH - Böhl-Iggelheim, JET-Foto Kranert
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As of: December 31, 2013