



DB Group  
**Our fleet  
and networks  
2014**

# NEW ADDITIONS 2014

*Through expansion, conversion and modernization of our offers, our rolling stock, our networks and our facilities, we are able to stay up-to-date and competitive, and create added value for our customers.*

## FIRST NEW ICE 3 IN OPERATION

The new ICE 3 in the 407 series is equipped with state-of-the-art ceiling displays that provide our passengers with the latest trip information. In addition, the 407 series is equipped with several enhancements for mobility-impaired passengers.

## LONG-DISTANCE BUS FLEET EXPANDED

With the addition of 24 new double-decker buses, we reinforced our long-distance bus fleet this year. The buses provide standard free WiFi, power outlets at every pair of seats, as well as drink holders and a vending machine.



## INNOVATIVE ELECTRO-BUSES AT DB ARRIVA

New electrobuses are in use on the 24 km line between Wolverton and Bletchley. They operate 17 hours a day, seven days a week. And the batteries on the buses can be recharged at the line's end stations.

## NEW DEICING FACILITIES FOR REGIONAL TRAINS

The four new deicing facilities (Aachen, Münster, Cologne-Deutz and Cologne-Nippes) are virtually identical in terms of technology and construction. They each have a towing unit, and washing operations can run at outdoor temperatures up to -8 degrees Celsius. For warm-water deicing, a neutral cleaner is used.

## LARGEST LOGISTICS CENTER OF DB SCHENKER OPENS IN AUSTRALIA

In August 2014, DB Schenker Logistics opened its largest logistics center in Ipswich, Queensland; the facility is located on the southwest outskirts of Brisbane, and has been conceived to help customers manage tasks along the entire supply chain. The facility is 31,500 square meters and has a footprint of 85,000 square meters. Annually around 5,200 containers will be handled.

**FIRST LONG-DISTANCE BUS STATION AT BERLIN SÜDKREUZ**

In 2014, our first long-distance bus station in Germany opened at the Berlin Südkreuz station. The bus stop helps meet the demand of customers for a long-distance bus company to make central stops in the city. At the end of 2014, some 15,000 long-distance buses had stopped at the station.

**NEW APP FOR COMPREHENSIVE TRAVEL PLANNING**

Qixxit is our answer to changing mobility demands. Designed as a transport mode-neutral platform, the app enables comprehensive travel planning from door to door for the first time. Qixxit combines many different means of transport and creates various trip chains from the start to destination.



**NEW VEHICLES FOR S-BAHN (METRO) IN STUTTART AND FRANKFURT**

In 2014, we continued the modernization of our S-Bahn (metro) fleet that we began in 2013. The new four-part electric S-Bahn (metro) multiple units of the 430 series will be deployed in the S-Bahn (metro) networks of Stuttgart and Rhine-Main.

**NEW HYBRID BUSES AT DB ARRIVA**

92 new, and thus 125 hybrid buses overall, are now available for DB Arriva in Great Britain. On average, the buses are 11 meters long and have 44 seats. Certification for low CO<sub>2</sub> emissions is one of the special features of the buses.

**NEW LOGISTICS CENTER OPENS IN SWITZERLAND**

In March 2014, DB Schenker Logistics opened its logistics center in Pfungen, Switzerland. The facility is designed as a shared logistics center and aims to help customers manage their complex delivery chains more flexibly and cost-effectively. The activities of the previous locations, Embrach and Kloten, have been consolidated on a 38,500-square-meter site.

## QUIETER FREIGHT CARS ON THE RAILS

In 2014, more than 5,000 freight cars were refitted with whisper brakes as part of a major wave of upgrades; 600 cars were refitted in the Silent Rhine (Leiser Rhein) project. At the end of 2014, some 14,500 new and refitted freight cars from DB Schenker Rail were on the rail network.

## DB ARRIVA EXPANDS TRAIN CAPACITY IN THE NETHERLANDS

In response to the positively growing demand, DB Arriva has expanded its train capacity in the Netherlands. Overall, six trains have added one car each. Now 59 additional seats will be available to passengers.

## MORE DOUBLE-POCKET CARS DEPLOYED BY DB SCHENKER RAIL

The Sdggmrss 738 pocket car is designed for transporting coded semi-trailers that can be lifted by cranes, containers and swap bodies. A lower deadweight in each of the loading pockets, lower procurement and maintenance costs for loading pockets, and an optimized car length are some of the car's economic benefits.

## LOGISTICS CENTER IN SINGAPORE RECEIVES AWARD FOR GREEN BUILDING

The new integrated logistics center of DB Schenker in Singapore has been awarded the Green Mark Platinum certificate. This is the highest award for green building in Singapore. The logistics center is designed for customers from different areas.

## NEW GAS BUSES IN DENMARK

Since 2014, DB Arriva has been driving gas buses in Holstebro/Denmark. The new buses have significantly reduced CO<sub>2</sub> emissions. In addition, the buses are equipped with special integrated devices used to collect data for reporting on consumption.

## THE INFOMOBIL NOISE PROTECTION TRAVELS THE COUNTRY

The Infomobil Noise Protection is traveling through Germany to educate people as part of public information events. Two interactive information terminals present various scenarios of freight and passenger trains passing by, and how noise protection measures make a difference. Users can listen via headsets to a range of realistic sound effects.



**FIRST GREEN STATION  
OPENS IN KERPEN-HORREM**

With the new green station in Kerpen-Horrem, the three dimensions of the DB2020 strategy are fully covered. From an economic perspective, the modular, scalable building concept provides for economic standardization. From a social perspective, the green station provides an intermodal mobility hub, as it connects different transport modes. The CO<sub>2</sub>-neutral station operations, involving state-of-the-art technologies such as photovoltaics and geothermics, take into account ecological requirements.



**NEW FLINKSTER APP  
AVAILABLE**

As of this year we are offering our customers an easier way of lease and return car-sharing vehicles using a smartphone. With the new app, customers can comfortably view and change current, upcoming and past trips.



**DB NETZE TRACK INVESTS IN  
NEW TEST VEHICLES**

In order to be equipped with state-of-the-art testing equipment, DB Netze Track has invested some €25 million in four new test vehicles equipped with innovative measurement technology. This acquisition includes two rail testing trains, an overhead line diagnostic vehicle and a track geometry testing train.

**REFITTED  
FREIGHT CARS**

In 2014, the last 140 model Ea 106 freight cars were refitted and upgraded to model Ea 075 standards.

The upgrade focused on installing a steel floor and reinforcing the end walls. The cars will be used in the future for scrap transport.

**ALMOST 600 DYNAMIC VISUAL DISPLAYS  
INSTALLED AT SMALL AND MID-SIZED TRAIN STATIONS**

In 2014, some 600 additional dynamic visual displays were installed. More than 6,000 displays have now been installed. They provide passengers with real-time information about irregularities and short-term changes or rerouted trains, changes in the track number or replacement trains.

# DB BAHN LONG-DISTANCE



*ICE trains: 253 (59 ICE1, 44 ICE2, 67 ICE T, 19 ICE TD and 64 ICE3)  
— Locomotives: 253 — Passenger cars: 1,746  
— Seats: 203,391 (43,598 in 1st class and 159,793 in 2nd class)  
— Trains per day: 1,290*

### ICE 3 (ELECTRIC MULTIPLE UNIT)

The ICE 3 is a high-speed, eight-section multiple unit. The 13 multi-current system trains are easily adaptable to international electricity systems. The first 12 trains of the new 407 series were placed in trial operation this year. They offer service and convenience at a new level of quality. The ceiling monitors provide passengers with up-to-the-minute travel information. In addition, there are numerous enhancements for mobility-impaired passengers. And in terms of energy consumption and technical reliability, the train is a real winner.

**MANUFACTURER** Consortium coordinator Siemens, Bombardier Transportation | **COMMISSIONING** from 2000 | **POWER** 8,000 kW | **MAXIMUM SPEED** 330 km/h | **SEATS** 429/442 (403 series), 419/413 (406 series), 444 (407 series) | **ADDITIONS 2014** 12 (407 series in trial operation) | **NO. AS OF DEC 31, 2014** 64 (403 series: 50/406 series: 14/407 series: 0)



### DOUBLE-DECKER BUSES

With the addition of 24 new double-decker buses, we reinforced our long-distance bus fleet this year. The buses provide standard free WiFi, power outlets at every pair of seats, as well as drink holders and a vending machine. The buses are in use on routes between Mannheim-Nuremberg-Prague and Munich-Prague.



**MANUFACTURER** Daimler AG | **COMMISSIONING** from 2013 | **POWER** 375 kW | **MAXIMUM SPEED** 100 km/h | **SEATS** 74 | **ADDITIONS 2014** 24 | **NO. AS OF DEC 31, 2014** 29

### ICE T TRAINS

In 2014, we continued with the modernization of the ICE-T trains that we began in December 2013. During a six- to eight-week plant overhaul, the trains received new exterior paint and new carpeting with high-contrast, palpable pathways. Furthermore, the upholstery on more than 10,000 used seats, backrests and armrests is being replaced. For improved Internet access, the trains are equipped with hotspots.

**MANUFACTURER** Consortium coordinator Siemens, Bombardier Transportation, Adtranz | **COMMISSIONING** from 1999 | **POWER** 4,000 kW (411 series), 3,000 kW (415 series) | **MAXIMUM SPEED** 230 km/h | **SEATS** 381/390 (411 series), 250 (415 series) | **ADDITIONS 2014** 0 | **NO. AS OF DEC 31, 2014** 67



# DB BAHN REGIONAL



*Locomotives: 988 (836 electric locomotives and 152 diesel locomotives)*  
— *Multiple units: 4,023 (1,590 S-Bahn (metro) trains, 1,530 diesel multiple units and 897 electric multiple units)* — *Power cars: 11,308*  
— *Passenger cars: 3,852* — *Seats: 1,052,488 (76,858 in 1st class and 975,630 in 2nd class)* — *Trains per day: 23,446* — *Buses: 13,571*

### S-BAHN (METRO) 430 SERIES

The four-part electric S-Bahn (metro) multiple units of the 430 series have been deployed since April 2013 in the S-Bahn (metro) networks of Stuttgart and Rhine-Main. In 2014, we expanded our fleet. The trains are optimized for the heavy-load S-Bahn (metro) networks and feature high energy efficiency and state-of-the-art passenger information systems.

**MANUFACTURER** Bombardier Transportation | **COMMISSIONING** from 2013 | **POWER** 2,350 kW | **MAXIMUM SPEED** 140 km/h | **SEATS** 184 | **ADDITIONS 2014** 164 | **NO. AS OF DEC 31, 2014** 178



### S-BAHN (METRO) 423 SERIES

The four-part, air-conditioned electric multiple unit of the 423 series is economical thanks to its lightweight construction, energy recovery braking system, and its reuse of waste heat for the passenger areas. The redesign of the S-Bahn (metro) 423 series has been running since July 2013, with 54 cars already retrofitted by the end of 2014. Alongside the overhaul and repair of the interior, several different technical and visual upgrades were made. For example, new video monitoring systems were installed, as well as passenger information systems that provide guests with up-to-the-minute information.

**MANUFACTURER** Adtranz/Alstom | **COMMISSIONING** from 2000 | **POWER** 2,350 kW | **MAXIMUM SPEED** 140 km/h | **SEATS** 192 | **ADDITIONS 2014** 0 | **NO. AS OF DEC 31, 2014** 461



### 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, and one that was mandated by law in 2014. The low-floor design allows for step-free entry.

**MANUFACTURER** EvoBus GmbH/Iveco Magirus AG | **COMMISSIONING** from 2013 | **POWER** 210–290 kW | **MAXIMUM SPEED** 80–100 km/h | **SEATS** up to 61 (depending on equipment) | **ADDITIONS 2014** more than 400 | **NO. AS OF DEC 31, 2014** more than 450



**DBARRIVA**



*Buses: 15,663 → Multiple units: 713 ( 60 S-Bahn (metro) trains, 442 diesel multiple units, 44 trams and 167 electric multiple units ) → Power cars: 1,974 → Locomotives: 22 → Passenger cars: 96 → Seats: 121,093 ( 3,774 in 1st class and 117,319 in 2nd class )*

### CITYWIDE BUS

The Scania Citywide bus is a gas bus designed for operation in the city. DB Arriva has been operating ten of these buses since 2014 in Holstebro/Denmark. This makes Holstebro the first city in Denmark to exclusively use gas buses. The gas buses reduce CO<sub>2</sub> emissions by 57 tons per year. They are equipped with special devices that collect data about usage and send this data via radio for analysis. This not only ensures that fuel consumption is optimized but also helps to improve the maintenance programs and driver training.

**MANUFACTURER** Scania | **COMMISSIONING** 2014 | **POWER** 206 kW | **MAXIMUM SPEED** 85 km/h | **SEATS** 35 | **ADDITIONS** 2014 12 | **NO. AS OF DEC 31, 2014** 12



### STREETLITE ELECTROBUS (WITH IPT EQUIPMENT)

The new Streetlite electrobuses are in use on the 24 km lines between Wolverton and Bletchley. They operate 17 hours a day, seven days a week. Their excellent operating performance is facilitated, in part, by the wireless recharging of their batteries. For this purpose, there are two end station induction loops in the ground and buses can automatically recharge their batteries up to two-thirds full in ten minutes when they drive over the loop.

**MANUFACTURER** Wrightbus | **POWER** 120 kW | **MAXIMUM SPEED** 63 km/h | **WEIGHT** 12.8 t | **LENGTH** 9.50 m | **HEIGHT** 3.30 m | **WIDTH** 2.45 m | **SEATS** 37 | **STANDING PLACES** 9



### GTW 2/6 ARTICULATED RAIL CAR

The diesel-electric articulated rail car GTW 2/6 consists of three cars and is used by DB Arriva in the Netherlands on the lines Roodeschool-Groningen, Groningen-Delfzijl and Groningen-Leeuwarden. Overall in 2014, six trains have had one car each added. This means 59 additional seats will now be available to passengers. Overall, the fleet has been expanded by 350 additional seats.

**MANUFACTURER** Stadler Bussnang AG | **COMMISSIONING** 2006 | **POWER** 600 kW | **MAXIMUM SPEED** 140 km/h | **SEATS** 170 | **ADDITIONS** 2014 6 | **NO. AS OF DEC 31, 2014** 35



# DB SCHENKER RAIL



***Locomotives: 2,878 (1,250 electric locomotives and 1,628 diesel locomotives)***  
— ***Cars: 89,383 — thereof own rolling stock: 78,841***  
***(15,778 covered cars, 26,106 open cars, 36,045 flat cars, 912 container cars)***  
— ***Load capacity: 5,480 thousand t — Trains per day: 4,742***

### 265 SERIES LOCOMOTIVE

The Gravita locomotive is a diesel-hydraulic, four-axle center-cab locomotive designed for freight-train shunting and regular service. It is powered by a 12-cylinder diesel engine and is additionally suitable for multiple traction operations. Overall, 31 new vehicles were purchased.

**MANUFACTURER** Voith Turbo Lokomotivtechnik GmbH |  
**COMMISSIONING** 2012–2014 | **POWER** 1,800 kW | **MAXIMUM SPEED** 100 km/h | **ADDITIONS 2014** 5 | **NO. AS OF DEC 31, 2014** 31



### EA 075 FREIGHT CARS

The Ea 075 freight cars have a deadweight of about 22 tons and a load volume of 72 cubic meters. In 2014, the last 140 of model Ea 106 freight cars were retrofitted and upgraded to model Ea 075 standards. The proven conversion concept, in cooperation with DB Vehicle Maintenance, was thus successfully concluded. With the installation of steel floors and the reinforced end walls, the car is now ideally suited for use in scrap transport.

**MANUFACTURER** MAN/Salzgitter | **DEADWEIGHT** 21,500–23,000 kg |  
**LOADING ROOM** 72 cbm | **VEHICLE PAYLOAD** 58,000 kg | **MAXIMUM SPEED** 120 km/h | **ADDITIONS 2014** 140 | **NO. AS OF DEC 31, 2014** 2,234



### HCCRRS 328 CLOSED AUTOMOBILE TRANSPORT CAR

We purchased the two-part covered Hccrrs 328 automobile transport car unit for the first time in 2013. In 2014, we also expanded our fleet. These wagons enable the protected transport of fully assembled premium grade automobiles, including SUVs, passenger vehicles and vans with a total weight of up to 2,800 kilograms each. They 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 2014** 120 |  
**NO. AS OF DEC 31, 2014** 162



# DB SCHENKER LOGISTICS



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

## EUROPEAN LAND TRANSPORT

In 2014, we transported more than 99 million shipments via our European land transport network. With over 720 locations in 36 countries, DB Schenker Logistics offers some 32,000 scheduled line services throughout Europe, thereby linking all major economic regions. We continually renew our vehicle fleet on both environmental and economic grounds, and stringent monitoring measures also ensure that the fleets used by our sub-contractors are up-to-date.



## AIR FREIGHT

DB Schenker Logistics is a leader in air freight. With a network of some 700 locations in 130 countries and an air freight volume of more than 1.1 million tons in 2014, we are a reliable partner for customers worldwide. Alongside our scheduled flights, in 2014 we also flew some 900 charter flights. As one of the pioneers of the air freight industry, DB Schenker Logistics is today at the forefront of air freight concept innovation. By collaborating with a few select partners, we ensure that we provide the highest quality for our customers.



## OCEAN FREIGHT

Our leading global ocean freight network of about 600 DB Schenker locations serves 130 countries around the world. In the consolidated cargo sector, we provide some 600 of our own collection container services. In 2014, we shipped more than 5,400 containers a day with a total volume of just under 2 million TEU for our customers. Around the world, we provide the right 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 600 locations, providing 7.1 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.



# 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 3,800 cars (including 600 electric vehicles) at competitive rental rates at 1,000 stations in more than 200 towns and cities in Germany. More than 300,000 customers have registered with Flinkster to date. Thanks to numerous partnerships, a total of 2,500 additional cars can be rented not only in the neighboring countries of Austria, Italy, Switzerland and the Netherlands, but also around the world, from Spain to South Africa and Australia. The partnership with car2go starting in 2015 will provide 6,600 cars in total for customers.



## 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 Munich, Frankfurt am Main, Berlin, Hamburg (StadtRAD), Cologne, Kassel (Konrad), Darmstadt, Marburg, Wiesbaden, Lüneburg (StadtRAD) and Stuttgart and at many ICE stations. In 2014, we established ourselves as Germany’s market leader for bicycle rental systems, with more than 4.4 million bike rentals, more than 700,000 registered customers and more than 9,000 bicycles. More and more companies rely on their own Call a Bike stations to provide company bicycles to their employees.



## FLEET MANAGEMENT

DB Fleet Management develops customized fleet management 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. DB Fleet Management’s development of new mobility guidelines for DB Group provides a glimpse of the combined mobility systems of the future.



# INFRASTRUCTURE



*Europe's largest rail network spanning more than 33,400 kilometers  
— About 400 DB Group and non-DB Group infrastructure customers — About 40,000  
trains operating per day — More than 1 billion kilometers are transported on  
the network per year*

## DB NETZE TRACK

DB Netze Track is Europe's no. 1 rail infrastructure provider. In 2014, an average of 2.8 million train-path kilometers per day were traveled on our infrastructure. DB Netze Track is responsible for ensuring the high quality of the infrastructure and also provides for non-discriminatory access to train paths, as well as managing the infrastructure operations.

**LENGTH OF LINE OPERATED** 33,281 km | **SWITCHES AND CROSSINGS** 68,516 | **INTERLOCKINGS** 3,090 | **LEVEL CROSSINGS** 13,777 | **TUNNELS** 701 | **RAIL BRIDGES** 24,970



## DB NETZE STATIONS

DB Netze Stations operates 5,383 train stations with more than 1 million square meters of rental space, which makes us one of the largest commercial landlords in Germany. Every day more than 400,000 trains from some 120 customers with about eight million travelers stop at our stations. We want to provide our customers with a high standard of quality and to focus on issues of safety, service and cleanliness.

**NUMBER OF TRAIN STOPS PER DAY** about 400,000 | **PLATFORM SURFACE AREA** about 6,000,000 m<sup>2</sup> | **LOST-AND-FOUND ITEMS PER YEAR** about 250,000 | **MOBILITY SERVICES PROVIDED** about 550,000 per year | **NUMBER OF STATIONS** 5,383



## DB NETZE ENERGY

In Germany, DB Netze Energy offers all the sector-specific energy products in the areas of traction current and stationary energy. This not only includes providing traction current and diesel for rail transport but also energy, gas and heat for train stations and other properties of DB Group. In addition, industrial companies across Germany are provided with products by DB Netze Energy.

**TRACTION CURRENT GRID** 7,891 km | **POWER, CONVERTER AND TRANSFORMER STATIONS** 52 | **RECTIFIERS** 112 | **GAS STATIONS** 194 | **MEAN VOLTAGE NETWORKS WITH TRANSFORMER STATIONS** 195 | **TRAIN PREHEATING PLANTS** 236





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