



Rail Service

We drive solutions



We drive solutions

As an OEM or railway operator you are looking for perfect service partners who can offer a comprehensive service. A good service is customized, complete and above all, trustworthy. Therefore, rely on IGW, a global leader in railway drive systems since 1993 and an ideal partner who offers you a range of services for railway drive systems, couplings and complete wheelsets.

Continuous rail operation requires reliable drives and optimal availability.

We offer you first class service:

- Comprehensive maintenance plan for your powered wheelsets of your vehicle fleet
- Complete overhaul of IGW and third-party transmissions
- Overhaul or complete replacement of existing coupling solutions
- Overhaul kits, parts and tools for repair
- Field repair
- Troubleshooting service and technical consultancy
- Training for your service staff for maintenance and overhaul
- On request, also on the basis of a framework contract



Central place for all workshop activities



We are certified by IRIS (ISO/TS 22163) and by Deutsche Bahn and many other operators.

What we guarantee:

- Overhaul of railway transmissions within two weeks
(8 units each – optimum rework interval)
- Repair of railway transmissions within 4 weeks (if parts available)
- Ready for use parts stock (seals, copper rings, bearings)
- Access to self-developed roller bearings, silent blocks
- Field investigations within 48h
- Testing: load / unload test, noise measurement, motor generator and further special tests like cold test, hot test, modal test ...

We perform these operations:

- Press on and press off wheel discs and axle bearings
- Disassembly / assembly of complete transmission
- Disassembly / assembly of axle bearings
- Paint shop, final quality
- Routine test

A proven track record

For many years, we are providing drive solutions to the railway industry and are a trustworthy partner, who can offer you everything you need for service. So far, we have manufactured more than 100,000 gearboxes for more than 300 projects and did more than 5,500 overhauls globally. Many industry-leading customers have placed their trust in our expertise, service, state-of-the-art capabilities and the quality of our products.



Before

After

Project	Overhaul + Scope	Year	Quantity
Oslo Gardermoen Airport Express	Upgrade	2003~2007	225
CHE 790 (Sleeper Cars)	A4: bearing/O ring/bolts A5: bearing/O ring/bolts + BMS	2012~2013 2016~2020	800 800
CRH 796 (Sleeper Cars)	A4: bearing/O ring/bolts	2013~2014	800
CRH 797 (Sleeper Cars)	A4: bearing/O ring/bolts	2014~2017	400
Locomotive ER20CF Lithuania	Overhaul: bearing/O ring/spherolastic bearings	2014~2016~2020	540
CRH 799 (Sleeper Cars)	A4: bearing/O ring/bolts + BMS	2015~2016	800
Paris Nouvelle Automotrice Transilien	E-current issue: bearing/O ring/axle replacement/gearset	2014~2015	14
London Sub Surface Lines	Refurbishment: bearing/O ring/axle replacement	2014~2015	66
TCDD E68000 Locomotives	Axle replacement: new axle/new hollow shaft/O ring	2015	25
London Victoria Line ext.	Refurbishment: cleaning/O ring	2014~2016	60
Combino/Aventra Tram	Refurbishment: bearing/ O ring	2015	72
Jakarta EMU	Refurbishment: bearing/O ring/axle replacement/gearset	2016~	80
Non-IGW (FLIRT SZH595)	Overhaul: bearing/O ring/bolts	2017~2018	13
Non-IGW (Marseille)	Overhaul: bearing/O ring/bolts	2017~2018	108
Intercity Express EMU (queensland)	Overhaul: bearing/O ring/labyrinths	2015~2016	240
Bremen Regio-S-Bahn	Overhaul: bearing/O ring/spherolastic bearings	2016~	8 + opt.236
Seattle Central Link	Retrofit: Retrofit kit supply	2015~2016	300
Bangkok Desiro Airport Rail Link	Overhaul	2018~2019	80

In house developed components

IGW bearings
Verified in operation since 2010 - some of our references

Project	Customer	Quantity
Caracas Metro Line 1	CAF	486
Shanghai Metro Lines 11 & 13	Siemens	112
Hyderabad Metro Phase I	Hyundai Rotem	456
Dongguan Metro Line 2	NPRT	610
Ankara Metro Lines 1, 2 & 3	CRRZ ZELC	344
Wellington Matangi EMU	Hyundai Rotem	797
Electric Train Service KTM Class 93	CRRZ ZELC	160
Hong Kong Shatin to Central Link Phase II	Hyundai Rotem	888
Changsha Metro Line 1	CRRZ ZELC	800
São Paulo Commuter EMU	Hyundai Rotem	630
Guangzhou Metro Line 7 / Zhengzhou Metro Line 2	CRRZ ZELC	324
Salvador Metro Lines 1 & 2	Hyundai Rotem	400
Guangzhou Metro Line 9	CRRZ ZELC	355
Izmir Metro	CRRZ Tangshan	698
KVMRT SSP Line (Malaysia)	Hyundai Rotem	256

Total number of delivered bearings

13.500

IGW couplings
Take a look at our coupling brochure to learn more about it



In good company

IGW is part of BMT drive solutions, a division of the BMT Group. The drive solutions division serves customers in three business lines: automotive, industrial and rail. Our shared know-how, commitment to innovation and global presence makes us a formidable force in the gear system market.



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