

Locomotives & Rail Services



**Your partner
in rail operations**

johncockerill.com/services



New Locomotives

John Cockerill designs, produces, commercializes and makes maintenance of a range of locomotives equipped with hydrostatic, hydrodynamic, diesel-electric AC/AC or hybrid transmissions.

John Cockerill designs powerful, compact, robust and ergonomic locomotives, for heavy tractions in industrial installations as well as for railways.

Environmentally friendly, they are manufactured in accordance with the international standards (UIC, AAR, CEI, EN...).

General characteristics

- Diesel engine power from 350 hp to 1500 hp
- Tractive effort from 120 kN to 270 kN
- Max speed from 30 to 100 km/h
- Axle load from 15 to 26 tons
- Gauge from 1,000 to 1,676 mm

Optional equipment

- Automatic couplers
- Multiples units
- Events recorder
- Exhaust after treatment system
- Remote control
- GPS geolocation

Range of diesel hydraulic locomotives



NH 300 B
350 CV - 30 km/h



NH 500 B
525 CV - 60 km/h



NH 700 BB
750 CV - 35 km/h

New range of AC/AC diesel electric locomotives



DE 600 C
612 CV - 50 km/h



Hybrid Catenary Maintenance Vehicle
550 CV - 100 km/h



DE 1200 BB
1200 CV - 90 km/h



Modernization of locomotives

Everywhere, old locomotives are potentially an alternative solution to brand new material. Indeed many components of these can be refreshed, some other can be replaced, and some strategic ones deserve complete new design, to take advantage of technology evolution.

With successful experiences of refurbishment of locomotives in Europe and Africa, John Cockerill can provide upgrading solutions on almost every machine, up to 1500 HP.

Moreover, a refurbishment done in customer premises, with customer's team, leads to an improved knowledge of the material by this team, and stronger collaboration relationship between John Cockerill and the customer



Modernized henschel hydrodynamic locomotives (Ivory Coast)



Modernized bogies



Hybrid Catenary Maintenance Vehicle with hybrid transmission



In addition, John Cockerill supplies a broad range of services from leasing of shunting locomotives, outsourced traction, including modernization or maintenance of customer's locomotives fleet, and technical inspections of trains for railway operators.

Rail Services

Industry services

Locomotives rental services

- A fleet of more than 20 shunting locomotives from 350 to 750 hp
- Full service rental contracts including material and maintenance

Locomotives maintenance

- Operational and heavy maintenance
- Commitment to availability rate
- Spare parts supply
- On-call interventions 24/7

Locomotives modernization

Enhances the overall performance of your diesel locomotives through the engine-ring and supply of various components and systems such as :

- New electro-pneumatical equipment
- New PLC
- Remote control
- Automation & control system, dashboard

Outsourced rail traction

In addition to locomotives supply, John Cockerill Traction can also manage shunting operations.

Its traction services includes locomotives drivers as well as shunting locomotives.

Railway operators services

Technical inspections of trains

John Cockerill Traction is specialized in technical inspection of wagons according CUU Annex 9.

Located in Antwerp, trained and qualified, our operators are active everywhere in Belgium



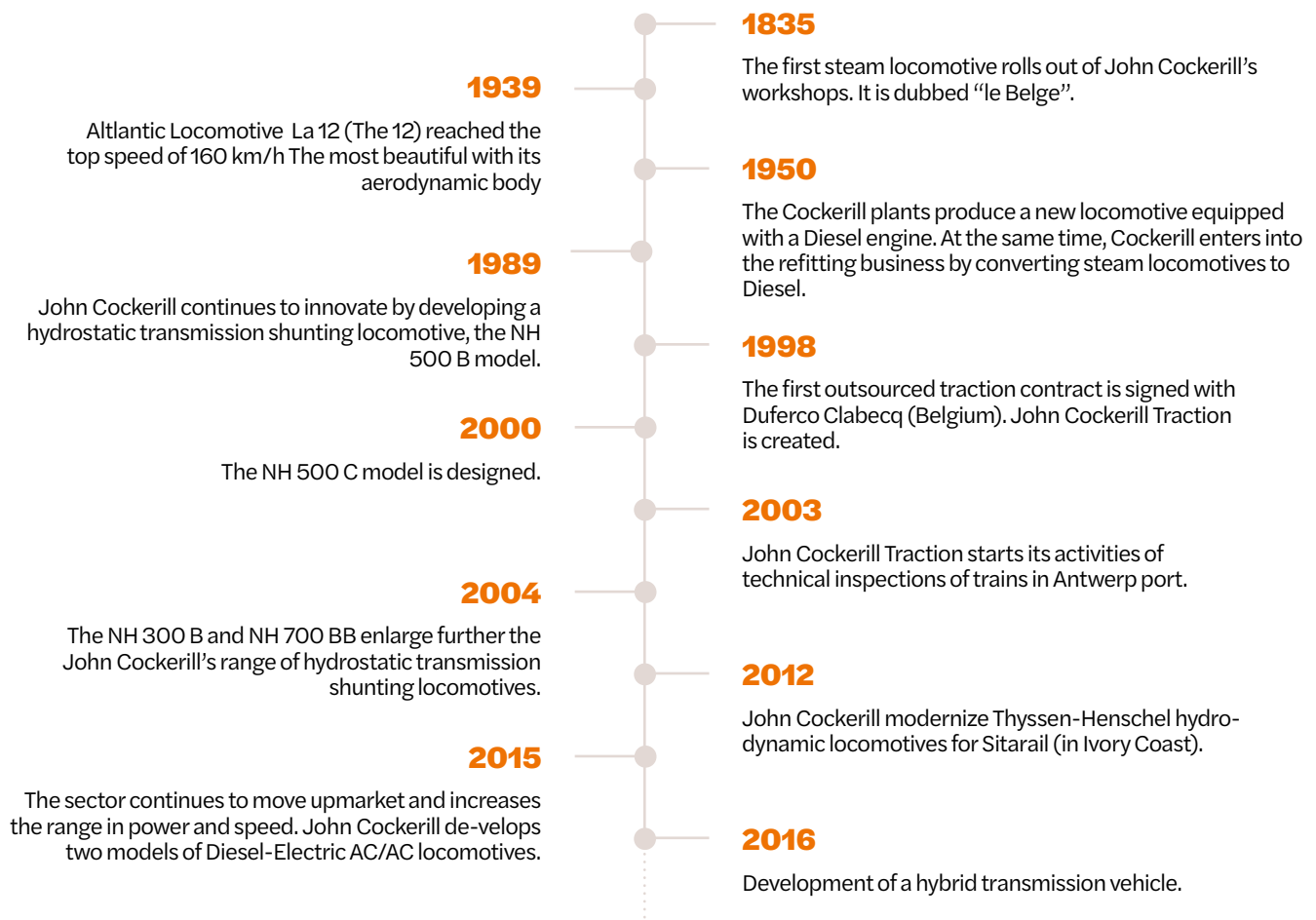
Railway services

Integrated projects

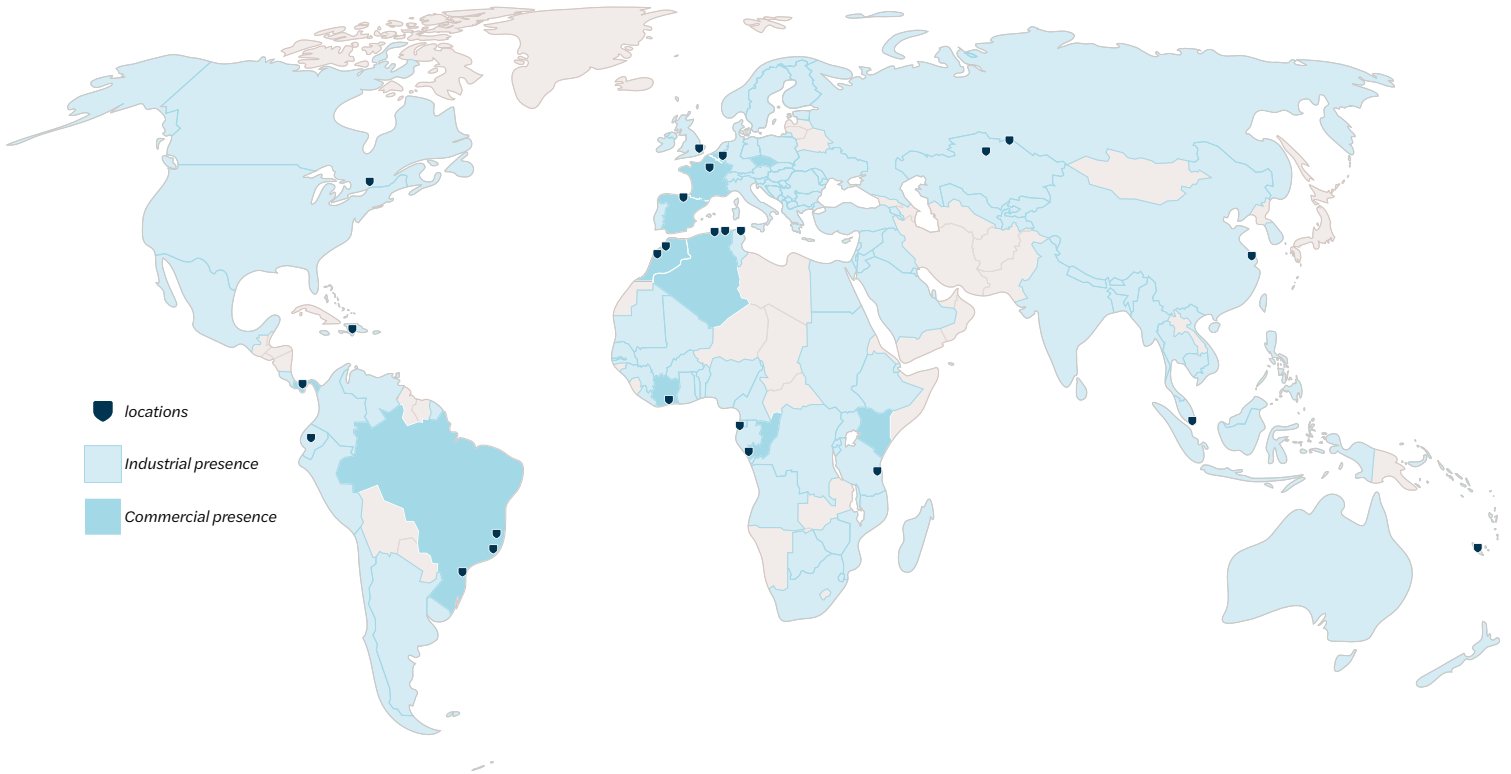
Thanks to its long experience in the Railway field, John Cockerill Services can offer its client an integrated solution including all needs for railway (rolling stock, workshop equipment, track equipment, spare parts supply, training program, training center...) as well as financing solutions.



Some key dates



John Cockerill Services worldwide



References



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