

THE TRAVELS ARE THE TRAVELLERS

Fernando Pessoa

Hitachi Rail SpA

Hitachi Rail SpA is one of the most important railway manufacturers in Europe. In November 2015 it was incorporated by Hitachi Rail Ltd. It is the result of the merger of two Italian companies of long tradition Ansaldo Trasporti and Breda Costruzioni Ferroviarie, which in 160 years of activity have made the history of urban mobility and rail transport.

The products of Hitachi Rail SpA range from High Speed, with the ETR1000, to urban transport with tramways, metros, traditional and driverless, to the regional trains Caravaggio and TSR.

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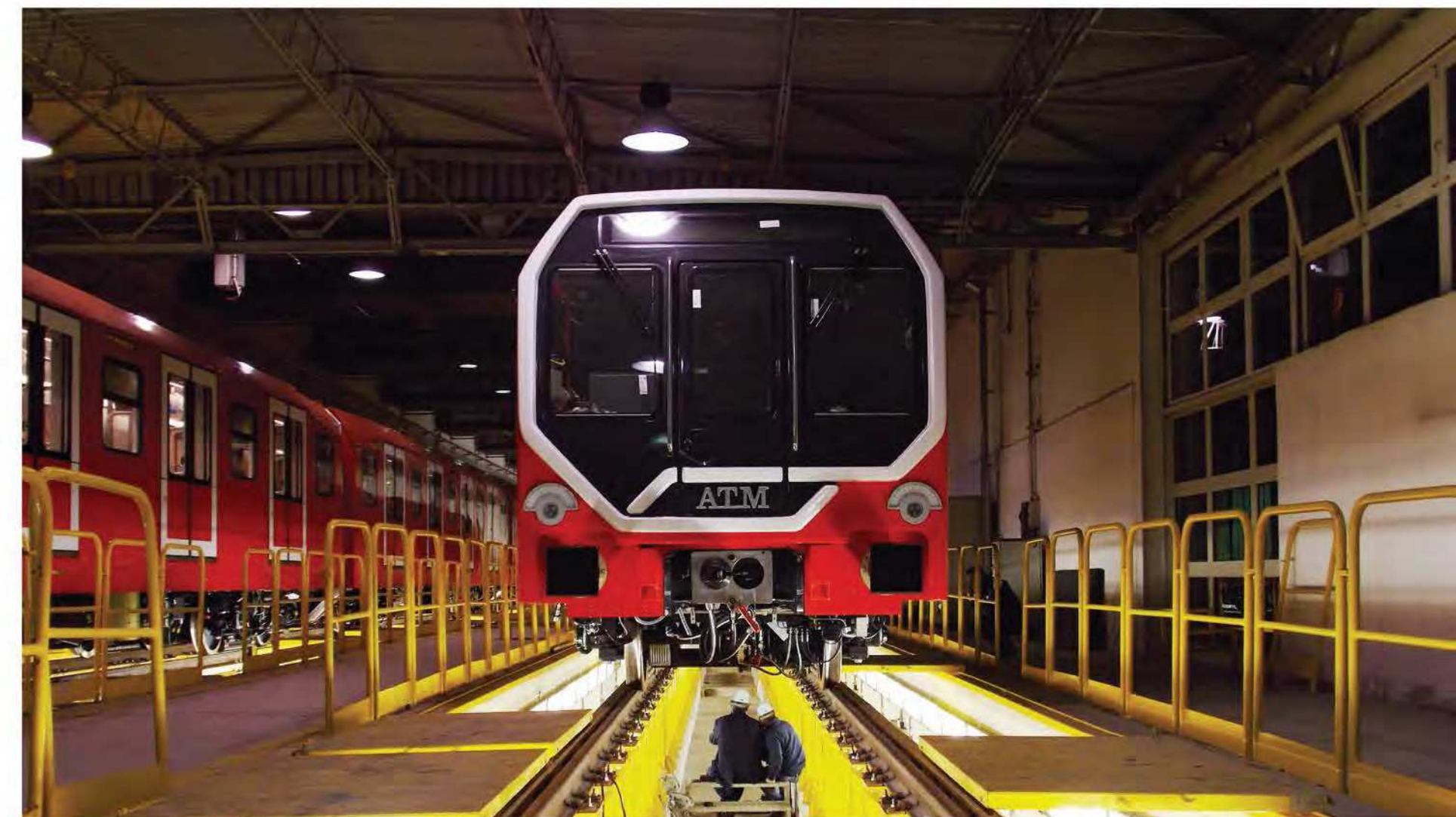
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Metro Milano Leonardo ▲

M E T R O

METRO

The metro platform of Hitachi Rail SpA is based on a modular, highly flexible, easily customizable architecture, based on "key" standard components produced internally ("make") as well as "buy" systems and components.

- body structure in aluminium or stainless steel
- fiberglass or light alloy furniture with easily customizable layout and design
- propulsion system based on single or double IGBT inverter and trucks equipped with two motors for line voltages 750V, 1500V and 3000V
- TCMS (Train Control & Monitoring System) on Ethernet bus, integrated with PIS (Passenger Information System) with functions of security and energy management and MVB bus dedicated to the functions of traction/braking.



Milano Metro Leonardo Line 2

Baltimore Metro

Configuration	Married Pair - 2 cars
Seats	132 + 8 (flip-ups)
Standing capacity (4 p/m2)	239
Doors per side	6
Max length	45800 mm
Max width	3111 mm
Max speed	75 km/h
Power supply	750 Vcc Third rail
Rail gauge	1435 mm
Body material	Stainless steel



▲ Baltimore Metro

Fortaleza, Brasil

Configuration	3 cars articulated
Seats	48
Standing capacity (6 p/m2)	397
Doors per side	6
Max length	40000 mm
Max width	2650 mm
Max speed	120 km/h
Power supply	3000 Vcc catenary
Rail gauge	1000 mm
Body material	Aluminium



▲ Fortaleza Metro

Miami Dade County

Configuration	Married Pair - 2 cars
Seats	132
Standing capacity (4 p/m2)	224
Doors per side	6
Max length	45800 mm
Max width	3111 mm
Max speed	115 km/h
Power supply	750 Vcc Third rail
Rail gauge	1435 mm
Body material	Stainless steel



▲ Miami Metro

Milan Meneghino Line 1, 2 and 3

Configuration	6 cars
Seats	204
Standing capacity (6 p/m2)	1052
Doors per side	24
Max length	105500 mm
Max width	2850 mm
Max speed	90 km/h
Power supply	1500 Vcc e 750 vcc catenary
Rail gauge	1435 mm
Body material	Aluminium



▲ Milan Metro Meneghino

Milan Leonardo Line 1 and 2

Configuration	6 cars
Seats	204
Standing capacity (6 p/m2)	1028
Doors per side	24
Max length	106940 mm
Max width	2850 mm
Max speed	90 km/h
Power supply	1500 vcc e 750 vcc catenary
Rail gauge	1435 mm
Body material	Aluminium



▲ Milan Metro Leonardo Line 1

Genoa Metro

Configuration	4 cars
Seats	48
Standing capacity (6 p/m2)	242
Doors per side	4
Max length	39100 mm
Max width	2200 mm
Max speed	80 km/h
Power supply	750 vcc catenary
Rail gauge	1435 mm
Body material	Steel



▲ Genoa Metro