



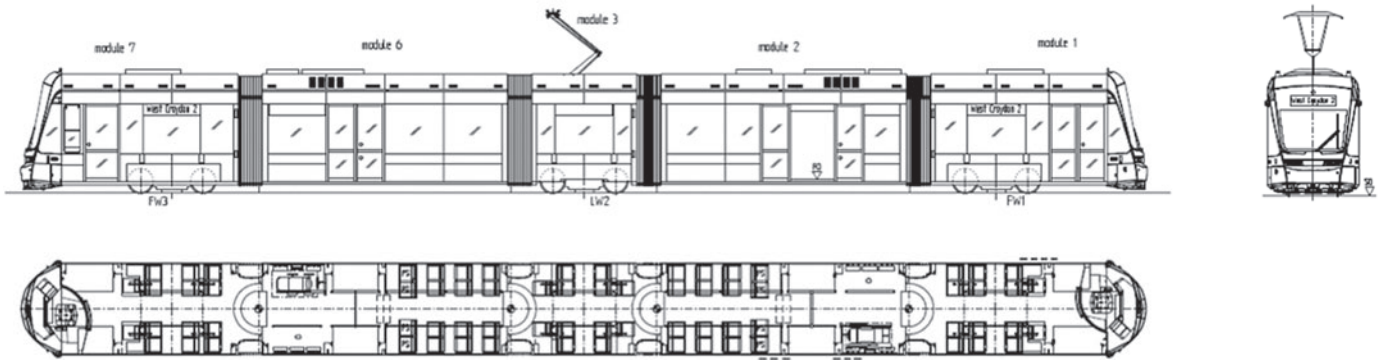
## ***Low-floor light rail vehicle, type Variobahn for London Tramlink – Operator of the tram network in Croydon***

The tram system Croydon Tramlink has been reopened in the year 2000. Due to the ever growing demand, London Tramlink has decided in summer 2011 to expand the transport capacity. For this six five-section Variotrams has been ordered, that are already in use since spring 2012.

The bi-directional vehicles for Croydon have a maximum floor height of 385 mm (100 % low-floor). The Variobahn is a modern and modular tram with a high degree of flexibility regarding length, width, track width and the catenary voltage.

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## Technical features

- Modular construction based on main functions
- Bi-directional vehicle
- Constant 100% low-floor
- Body shell in stainless steel
- Exterior covering made with bounding technology
- Air suspension with constant height level
- Free seat arrangement in passenger modules
- Adjustment of length and width through chosen modules
- Spacious fixed articulation covering for the passage
- Optimal envelope exploitation
- Fire protection for vehicles which operate in tunnels according DIN 5510
- Air-conditioned passenger and driver compartments
- Ergonomically designed driver's desk

## Vehicle data

Customer	London Tramlink, (Operator)
Operated lines	Tram network Croydon
Number of vehicles	6 (+ 8 in option)
First delivery	2012
Vehicle length	32,370 mm
Vehicle width	2,650 mm
Height above roof devices	3,535 mm
Access height	350 mm
Constant low floor height	385 mm
Aisle width	720 mm
Net weight	41,500 kg
Gauge	1,435 mm
Exterior sliding doors	4 on each side
Wheel diameter	650/570 mm (new/used up)
Powered/trailer wheel	8/4
Catenary's voltage	750 V
Drive	8 x 45 kW
Maximum speed	80 km/h
Seats	72
Standing capacity (4 pers./m <sup>2</sup> )	134
Minimal curve radius	25 m

