The Desiro City is the UK’s first second-generation commuter platform, providing an outstanding solution for London mass transit systems and regional lines. It has been developed based on the expertise and feedback of UK train operators, maintenance and cleaning crews. Designed to be lightweight (both train and bogie) and featuring an innovative single-car concept, the Desiro City provides optimal ease of maintenance and a customizable, modular interior design.

Features such as maximum flexibility, perfect comfort, and low energy consumption are what convinced British rail operator Govia Thameslink Railway to choose 25 six-car Desiro City regional trains.

The 25 trains will commence operation in 2018. The Units will operate on Great Norther suburban services from Welwyn Garden City, Hertford, Stevenage and Letchworth into London’s Moorgate station. The trains will be financed by Rock Rail, with equity provided by SL Capital (part of Standard Life Investments) and debt from Aviva Investments.

siemens.com/mobility
**Technical data**

Axle arrangements: Bo'Bo'+2'2'+2'2'+Bo' Bo'+2'2'+Bo'Bo' (6-car EMU)

Gauge: 1,435 mm

Maximum speed: 136 km/h (85 mph)

Power at wheel: 1,200 kW

Approx. acceleration: 0.85 m/s²

Power supply: AC 25 kV 50 Hz and DC 750 V

Passenger seats excl. tip-ups: 362 (all standard class)

Unit length: 121,674 mm

Floor height (a.r.l.): 1,100 mm

Width: 2,800 mm

Nominal vehicle length: 20 m

Weight tare load approx.: 204 t

Standards: TSI 2014 & EN45545 OC4 HL3

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**Project features**

- Front egress device for operation in Moorgate tunnel
- Bright, friendly interior with large windows
- Open and unobstructed full width intervehicle gangways
- Two sliding entrance doors per car / side
- Passenger door opening of 1,500 mm
- Automatic Selective Door Opening (ASDO)
- Comfortable seats with plug socket
- Air conditioning, ventilation and heating unit with CO₂ sensor
- Designed in accordance with TSI PRM 2014
- Space for wheelchairs
- Provision for installation of UNI WC in (TOS(L)W)
- Passenger WiFi
- Innovative Passenger Information System (PIS) with real-time information
- CCTV (DOO, Pantograph and Third Rail Camera)
- Advertising screens at entrance area
- Driver Advisory System (C-DAS) for ontime arrival and energy-saving journeys

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