



APPLRG 28TH NOVEMBER 2017

Elaine Greenwood, APPLRG 28th November 2017

STADLER

DIVISIONS

DIVISION SWITZERLAND



Stadler Bussnang
1700 employees



Stadler Altenrhein
950 employees



Stadler USA
15 employees

DIVISION GERMANY



Stadler Pankow Berlin
1000 employees



Stadler Pankow Velten
40 employees



Stadler Reinickendorf
60 employees

DIVISION CENTRAL EUROPE



Stadler Polska
800 employees



Stadler Praha
50 employees



Stadler Minsk
450 employees

DIVISION SPAIN



Stadler Valencia
900 employees



ERION
30 employees

ERION France
20 employees

DIVISION COMPONENTS



Stadler Winterthur
220 employees



Stadler Stahlguss
120 employees



Stadler Szolnok
370 employees

DIVISION SERVICE



Stadler Austria
20 employees

Stadler Switzerland
70 employees

Stadler Algeria
100 employees

Stadler Hungary
70 employees

Stadler Italy
10 employees

Stadler Netherlands
100 employees

Stadler Poland
30 employees

Stadler Sweden
20 employees

Stadler UK
160 employees

Employing approximately 7000 people World Wide achieving a Consolidated Turnover of £1.7 Bn (2016)

MARKET SEGMENTS

SEGMENTATION			MODULAR CONCEPTS Adhesion engines		TAILOR-MADE CONCEPTS Adhesion and rack engines	
URBAN						
LRV	Tram	≤80 km/h				
	Tram Train	≤100 km/h				
Metro	Metro	≤100 km/h				
RAILWAY VEHICLES						
DMU	Regional rail	≤140 km/h				
EMU	Regional rail	≤160 km/h				
	Intercity	≤200 km/h				
	High-speed	≤250 km/h				
	Very high-speed	>250 km/h				
Locomotives	Mainline locomotives diesel/dual/electric					
	Shunters/special purpose vehicles					
Coaches	Passenger coaches and sleepers					
	Freight wagons					

STADLER UK CURRENT PORTFOLIO



Greater Anglia, Abellio/Rock: 20 EMU Class745



Greater Anglia, Abellio/Rock: 38 BMU Class755



DRS/Beacon Rail: 34 UK Light Class 68



DRS/Beacon Rail: 10 UK Light Class 88



Merseytravel: 52 Metro



Glasgow: 17 ATO Metro



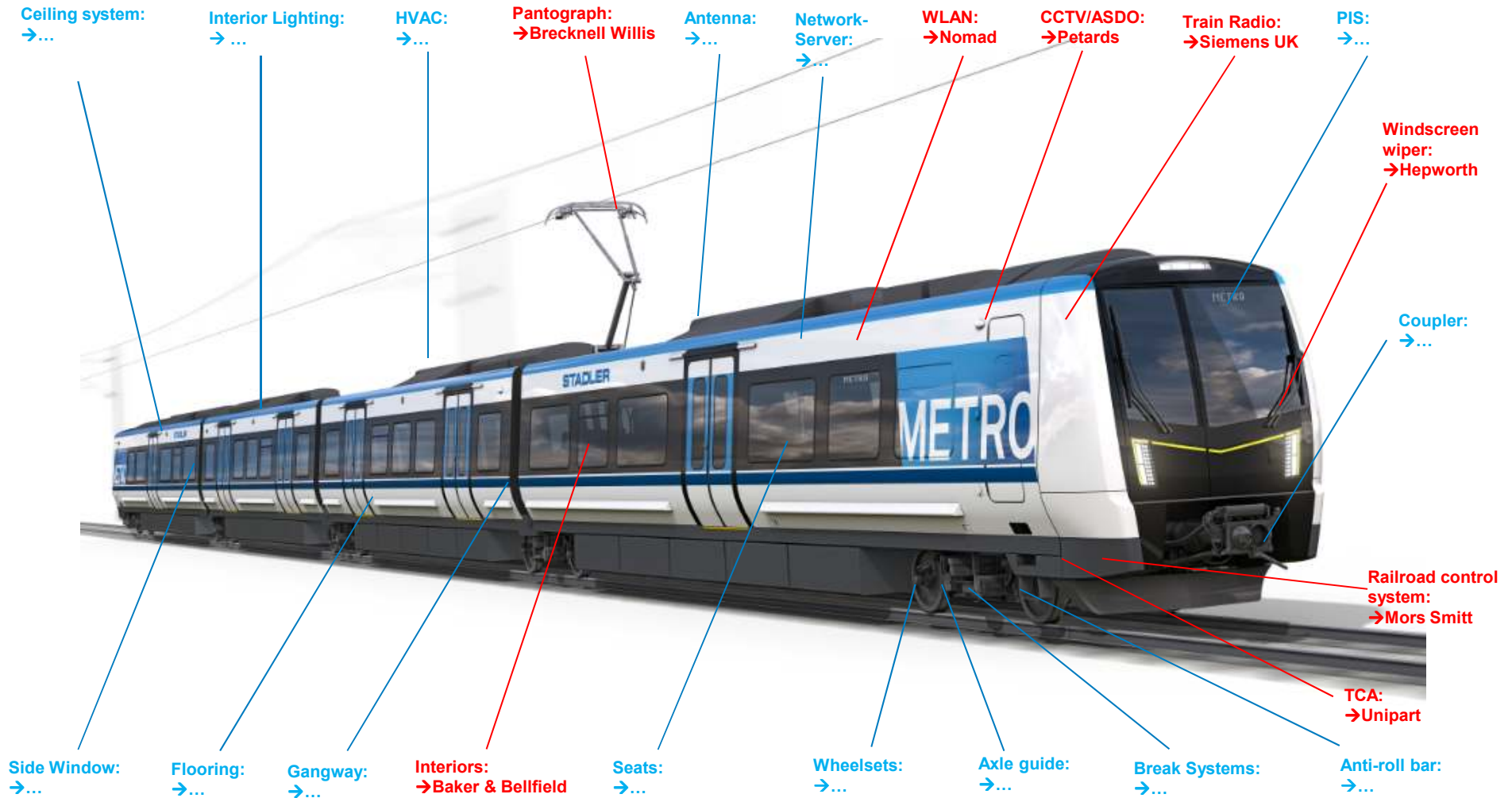
Sheffield Supertram: 7 Citylink Class 399



London Tramlink Croydon: 12 Variobahn

Stadler has a wide portfolio in UK

STADLER SUPPLIERS IN UK



STADLER UK



CONTRACTS IN THE UK

TRAMLINK CROYDON

- Customer: London Tramlink
- Type: Variobahn city tram
- Number of units: 10
- Operation: Tram network Croydon
- Year of delivery: 2012, 2015
- Remark: project is now closed but further optional orders can be expected



Project description:

The tram system Croydon Tramlink was reopened in 2000. Due to the growing demand, Tramlink decided in 2011 to expand its transport capacity and for this reason ordered six five-section Variobahn from Stadler. These vehicles have been operating since spring 2012. In 2013 Tramlink executed the option clause of the previous delivery contract and ordered four further trams, increasing the fleet to altogether ten units.

CONTRACTS IN THE UK

TRAMTRAIN SHEFFIELD

- Customer: South Yorkshire Passenger Transport Executive
- Type of vehicles: Citylink bi-directional tram-train vehicle
- Number of units: 7
- Operation: First tram-train network of UK, Sheffield
- Year of delivery: 2016, operation to start in 2017 between Sheffield and Rotherham



Project description:

South Yorkshire Passenger Transport Executive (SYPTe) ordered 7 Citylink tram-trains for use on the first tram-train system in the UK, to operate on the Supertram tram network and on the national rail network between Sheffield and Rotherham. The bidirectional light rail vehicles cover from tramway applications up to full train regional operations at 100 km/h and have been adapted to the particularities of the tram and rail network in the county of South Yorkshire. Citylink is a modular, barrier-free and low-floor light rail vehicle family specially designed to provide a safe and comfortable ride.

CONTRACTS IN THE UK

GLASGOW SUBWAY

- Customer: Strathclyde Partnership for Transport (SPT)
- Type of vehicle: 4-car driverless metro cars
- Number of units : 17
- Operation: Glasgow Subway
- Year of delivery: 2019 /2020



Project description:

The Glasgow Subway is the third-oldest metro system in the world and commenced operations as early as 1896. Stadler provides a new vehicle fleet of 17 state-of-the-art metro vehicles, as part of the replacement of the entire system. The tunnel systems date from the Victorian era and demand a compact vehicle design. Thanks to newly developed bogies featuring air suspension, the new fully automated and driverless metro vehicles provide a high level of ride comfort. With the new vehicles from Stadler, Glasgow has one of the most cutting-edge metro systems.

UPDATE ON TRAM TRAIN

- Tramway Passenger service started on 14th September.
- Tram-Train service is waiting for the tram / heavy line link that will be achieved by Network Rail.
- Network Rail works are expected to be finished in April/May 2018.
- Vehicle is homologated for the tramway service and waiting to achieve the same for the link on the HR Section to Rotherham. **The date of 6th May 2018 has been advised for NR infrastructure to be ready for start of testing.**
- Tests should be achieved in 2 months and Tram-Train Homologation expected for August 2018.
- Complete tram-train passenger service expected to start in September 2018.

LIGHT RAIL IN THE UK - FUTURE

- The process in the UK makes it difficult and expensive for new systems.
- Extensions to systems are likely to go ahead.
- Existing systems are looking at Tram Train options.
- Lessons learned in Sheffield are essential to help these projects go ahead.
- DLR will be purchasing new vehicles and the tender process has begun. Nexus has also been given the go ahead for new vehicles.



**THANK YOU
FOR YOUR ATTENTION**

STADLER