



Client

Tisséo-SMTC, Toulouse

Location

Toulouse, France

Delivery date

2011 - 2013

Project summary

- Design and delivery of IGBT traction equipment
- 60 Installations
- New traction control electronics to be installed by the client
- Delivery of test equipment
- Full training and documentation

Traction Systems Toulouse metro

Strukton Rolling Stock designs and delivers 60 new traction systems for metro line A in the city of Toulouse. The customer is the operator Tisséo, which runs several metro lines operating the driverless VAL vehicles, next to buses and trams. Tisséo-Toulouse is carrying out a complete refurbishment programme (incl. interior) for the VAL206 vehicles.

The 28 metro vehicles will get new IGBT based chopper traction systems including new control electronics. The first vehicles will be equipped early 2011; the last vehicles are planned to be equipped mid 2013. Strukton Rolling Stock will design and deliver new traction systems and replace the old electronics. In addition, Strukton Rolling Stock will deliver easy to use test equipment, fully train and equip the clients' maintenance organisation and provide complete documentation.



The traction systems are easy to install. Strukton Rolling Stock will train the clients' engineers to install the systems themselves. The complete process of dismantling the old equipment, installing the new equipment, testing and putting the VAL206 vehicles back on track will take less than 2 days. The equipment is maintenance free and can be fully tested while being mounted. In case of failures, the power modules can be easily exchanged in a matter of moments.

This is the second VAL traction systems contract for Strukton after the VAL Chicago Airport contract in 2007. The power electronics division of Strukton Rolling Stock has contracts throughout the world and is, with its concept of standard power modules to be equipped in each shape and size, especially strong in the refurbishment market.

