



Strukton Systems Signalling & Power Supplies

Combined expertise

Strukton Systems' Signalling & Power Supplies division is a full-service provider specialising in the installation and expansion of safety and power supply systems for trains, trams and the metro. From design to implementation, from cable to power supply. We cooperate closely with almost all the main system suppliers, often coordinating activities and functioning as an indispensable link in relation to major projects.

Strong in project management

We have ample experience of project management, maintaining control and supervision over complex works. Large-scale projects can be organised within a short space of time. On request, we can be involved in the preparatory phase in order to arrive at integrated design & construct solutions. Our project teams are multidisciplinary and cooperate on the same wavelength.

Multidisciplinary expertise

We are proven experts in designing and constructing systems requiring input from numerous disciplines. Examples here include:

- Power supply stations; for the construction of electrical substations and switching stations we offer a comprehensive concept for both new development and renovation
- ERTMS; we specialise in installing and taking ERTMS into operation. If other safety systems are present, we possess the required level of expertise to safely switch them
- Movable catenary systems; we design and construct moveable catenary systems with the required power supply installation, control and safety functionality
- Consultancy; we provide advice, sometimes taking the

form of a preliminary design and comprehensive calculations. This entails seeing things from our customers' perspective and providing insight into what really needs to be done

- We offer suitably qualified and certified BFI and LSR technicians to carry out security related activities. Our power supply technicians are certified to work on 230/400Vac, 1,500Vdc to 25kVac installations



Amsterdam RAI Substation



Environmentally friendly applications

We are actively engaged in reducing CO₂ emissions. Adopting EMC measures, we install capacitor equipment to reuse track returns. This occurs mainly where 1,500V and 25 kV catenary systems merge. Future-oriented plans make allowance for the use of geothermic heat for points heating and recovering braking energy.



Set up Jade safety system



Movable catenary systems

References

- Substations: Construction of 18 new substations and renovation of 58 existing substations across the Netherlands over a five-year period. Including the construction of power supply and switching stations on the Hanzelijn
- ERTMS: Construction and implementation on the Havenspoorlijn freight line and the Amsterdam – Utrecht stretch
- Conversion of regular security system to ERTMS: Tender Aarsleff, Denmark
- Movable catenary systems: design & construct assignment for electrification of NedTrain hall 25 in Haarlem
- EMC measures: Installation of capacitor equipment on HSL Hoofddorp – Breda stretch
- ERTMS balises: Installation and taking into operation on Amsterdam – Utrecht stretch
- Jade I and II train detection systems: Setting up of sections on the Betuwe Line and Havenspoorlijn
- Consultancy: Advisory services for ProRail. Internationally for projects in Denmark and Norway

Signalling & Power Supplies division

The Signalling & Power Supplies division forms part of Strukton Systems. Strukton Systems belongs to Strukton Rail, a major innovative European player in the market for rail systems. The company offers a comprehensive package of products and services in the field of rail infrastructure, rolling stock and mobility systems. Strukton Rail employs a workforce of approx. 3,200 dedicated employees. Visit www.struktonsystems.com for more information.

