



Collecting
power to drive
your innovation



3rd Rail

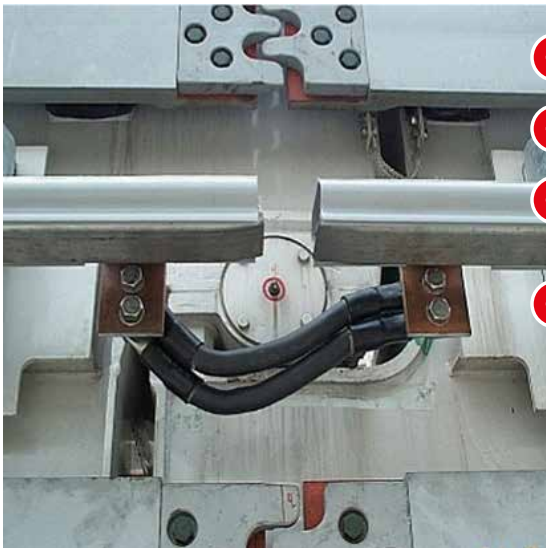
Third Rail Systems



**The most reliable third rail
system on the market**

Combining the expertise of engineering 3rd rail current collectors and 3rd rail systems we provide perfect fit turnkey solutions for metros, monorail systems, people movers and intercity mainlines.

- Distribute power from the substation to the train



CUSTOMER BENEFITS:

- + Quick and easy installation
- + Self-aligning rail joints
- + Long life components and low life cycle costs
- + Market leader in terms of consideration and management of all system interfaces on behalf of the customer

Prototype



Ready to quote



Ready to produce



In production



Compliant to all recognised international standards and specifications

References:

Major worldwide system operators such as

- Network Rail
- London Underground Limited
- SMRT (Singapore)
- TRTC (Taipei)
- NYCT (New York)

Third Rail System features

Major features	Unique mechanical interlock between stainless steel cap and aluminium body
	Specialised component design to reduce vehicle traction gaps
	Aluminium body protected from collector shoe micro-arcing
	Reduced operational and maintenance costs (as compared with carbon steel)
System types	Top, bottom and side running
Proven Quality	About 5000 km proven track record
Installation	Up to 5 km/week by 10 person team
	No welding or heavy equipment necessary
Wear rates	Typical 0.1 mm/year (depending on track quality)

Under running 3rd rail system with fabricated steel supports



Under running mono rail system (Kuala Lumpur)



Under running 3rd rail system with glass reinforced polyester supports (Taipei)



To discover everything what 3rd Rail Systems can do, contact

Brecknell Willis
 Millfield Trading Estate, Chard, Somerset. U.K.
www.brecknellwillis.com | www.wabtec.com
 E-mail: FBC-enquiries@wabtec.com

