



## FRP constructions: Handrailing around subway station

<b>Problem</b>	Window-cleaning on a railway-building above railway wires. Danger of electrocution for cleaners in proximity of the wires. No possibility for frequent maintenance due to the train traffic.
<b>Solution</b>	In order to deal with this electrocution and maintenance problems Fiber Reinforced Plastic profiles were used to construct a handrailing on a walkway around the building.
<b>Materials</b>	Handrail system containing: square box 60/60/4.5mm; round tube 30/3mm, ergonomic handrail and kickplate. Stainless steel fixings.
<b>Quantity</b>	136m
<b>Year of construction</b>	2009.
<b>Benefit</b>	FRP materials offer low maintenance costs since they are colored in mass. They do not need painting. The profiles do not conduct an electrical current. The handrail systems shows that this material can also be used in general building applications and be integrated in the architectural design.