

Bristol Area Signalling Renewals



iLECSYS Rail

Location	Bristol, UK
Description	GRP Trackside Location Case Platforms
Partners	iLECSYS Rail for Network Rail
The challenge	To reduce the amount spent on both materials and deployment.
The solution	For a number of years iLECSYS Rail have delivered a number of stagings for both location cases and DNO/PHCC cubicles. The hand portable glass fibre reinforced polymer composite solution (GRP) allowed the project team to deploy the platforms during a normally unproductive day, working shifts without the use of Road Rail Vehicle movements.
Material used	GRP Composite Profiles – E23 Grade
Specific design details	In line with the standard Network Rail location case platform designs for upbank, downbank and standard platforms. Material used conforms to EN 13706.
Benefits	<ul style="list-style-type: none">• Lightweight – Allowed the stagings to be delivered as a flat pack system that could be hand carried to site removing the need for expensive Road Rail Vehicle movements. This resulted in fewer vehicle movements and reduced weight resulted in less carbon.• Safety – The use of composites mitigated against the requirements for expensive earthing systems with no risk of electric shock.• Maintenance – Reduced maintenance cost over the life-cycle of the project. Fully recyclable material. 50+ year asset life.• Whole Life Cost – Due to the nature of GRP the structures will never rust in comparison to a steel alternative.• Installation – Due to a constraint in the number of available possessions the hand portable system enabled the project to gain back nine months in installations.
Further details	www.ilecsys.co.uk