PSPs and ASPs for East of Leeds

As part of the TRU Alliance Project, Samuel James Engineering designed and manufactured Principal Supply Points (PSPs) and Auxiliary Supply Points (ASPs) for Volker Rail. Through this collaborative project, Samuel James Engineering contributed to the project's success and explored the challenges, solutions, and results.

The TRU Alliance Project focused on enhancing rail infrastructure, specifically the Trans-Regional Upgrade (TRU) in order to power the rail network. Volker Rail sought a reliable partner to provide two Principal Supply Points (PSP) and an Auxiliary Supply Point (ASP) - a key strength of Samuel James Engineering.

The Challenge

The PSPs were designed to meet Volker Rail's specific needs, taking into account factors such as power requirements, space constraints, and environmental conditions. It was essential to ensure that the units adhered to industry standards, safety regulations, and environmental guidelines.

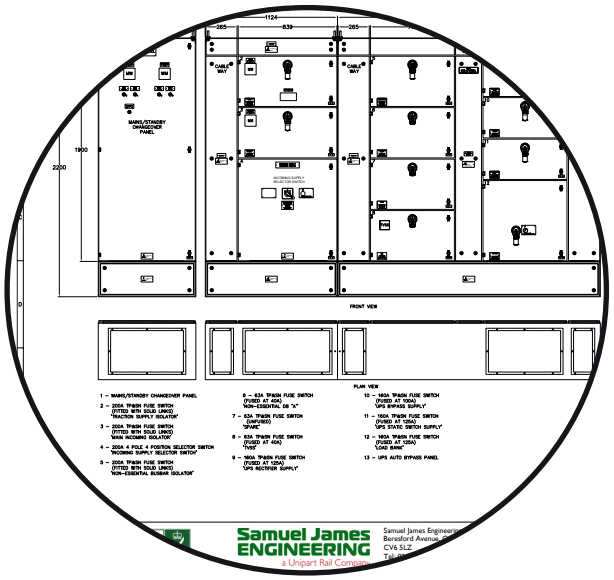
As power installation was a requirement for completing the rest of the project on time, the TRU alliance project had a strict timeline. A number of design changes had to be built into the manufacturing process challenging the production schedule and there was also limited site access which proved to be restrictive at times.

The Solution

A collaborative design process was established between Samuel James Engineering, Volker Rail and Systra, providing the team with a detailed understanding of the requirements and ensuring the engineering team captured and integrated the requirementst into the PSP and ASP designs.

Stringent testing procedures are a standard process at Samuel James Engineering and ensuring the safety, reliability, and compliance of the PSPs and ASPs was paramount. Both Factory Acceptance Test and the Site Acceptance Test support the quality of our work and assurances.

Samuel James Engineering implemented efficient Project Management strategies and optimised production processes without compromising quality in order to meet the tight project schedule. And the flexibility of the on-site team was critical in ensuring the installation success.



The Result

A tailored PSP & ASP package was successfully delivered by Samuel James Engineering in compliance with Volker Rail's specifications. In addition to on-site support and testing throughout the project, the team modified a panel post delivery due to a change in specification, this further demonstrated the teams capability and versatility to adapt at pace to changes within the project requirement.

As part of compliance and safety assurance, the PSPs were thoroughly tested to ensure compliance with industry standards and integrity of the rail infrastructure's safety and reliability. In spite of the tight deadlines, Samuel James Engineering met all project milestones, and contributed effectively to the overall success of the East of Leeds TRU Alliance installation.

Through its involvement in the TRU Alliance Project, Samuel James Engineering demonstrated its expertise in designing and supplying critical rail infrastructure components. Through collaboration, customisation and adherence to high-quality standards, the team played a pivotal role in the successful implementation of Principal Supply Points and Auxiliary Supply Points for Volker Rail, playing a significant part in the overall advancement of the TRU Project.

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