Elecdes Design Suite (EDS)

Reference

BlueScope Steel No. 6 Blast Furnace Reline Project

www.elecdes.com

Scada Systems, Level 6 Vincent Street, Auckland, New Zealand. Telephone +64 (9) 377-6781

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To Whom It May Concern:

As the electrical design team for the BlueScope Steel No. 6 Blast Furnace Reline project, we are writing to express our endorsement of the Elecdes Design Suite (EDS). This project presented significant challenges, including the need to digitize a large volume of legacy data, ensure compliance with current standards, and maintain accurate documentation across a complex electrical system. EDS proved to be an invaluable tool in overcoming these hurdles and delivering a successful outcome.

Key Benefits & Features:

- Elecdes and Instrument Manager (IM): Elecdes and IM were instrumental in our ability to rapidly generate over 900 terminal strip drawings ("Z" sheets) and over 4,200 cable/termination schedules (“V” and “Y” sheets”). The ability to import digitized data via OCR and the open architecture of the database were crucial for efficient data manipulation and standardization. The time savings compared to manual drafting were substantial.
- Loop Drawing Regeneration: EDS allowed us to efficiently regenerate and update 5000 instrument loop drawings, bringing them into compliance with current standards. The integration with the IM database ensured that these drawings were populated with accurate and up-to-date information.
- Protogen Integration: Protogen was effectively used to quickly generate drawing borders and populate titles for a large number of documents. Additionally, we created approximately 600 MCC starter schematics from a set of templates.
- Paneldes for 3D Modelling: The Paneldes module enabled us to create detailed 3D models of existing plant raceways. This was critical for planning new cable routes and avoiding clashes during installation. The color-coding feature in Navisworks, combined with the node system, significantly improved communication and collaboration with construction and scaffold planning teams.
- Construction Tracking System: The custom SQL server tables, integrated with the IM database, provided a robust system for work packaging and job tracking. This improved communication with construction contractors and facilitated efficient progress monitoring.

Overall Assessment:

The Elecdes Design Suite proved to be a robust and versatile solution for managing the electrical design aspects of the No. 6 Blast Furnace Reline project. The software's ability to integrate with existing databases, automate repetitive tasks, and facilitate collaboration between different teams resulted in significant time and cost savings.

We recommend the Elecdes Design Suite to any organization undertaking large-scale electrical design projects. Its comprehensive feature set and user-friendly interface make it an invaluable asset for improving efficiency, accuracy, and overall project success.

Sincerely,

The BlueScope Steel No. 6 Blast Furnace Reline Project Electrical Design Team

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