

Engineering Drawing Upgrades



Industry

- Rail Infrastructure

Project Facts

- Large backlog of drawing maintenance
- Inconsistent drawing file format
- Varying drawing quality

Challenge

- To gather relevant data from numerous sources

Return on investment

- Quality CAD based drawings
- Easy storage and retrieval of drawings from the DMS

Future Benefits

- CAD based drawing files allowing for easier upgrade and maintenance
- Trapping and documentation of rail specific knowledge
- Accurate picture of VicTrack assets
- Improved asset management

Consulcad has carried out a series of Signal and Cable Drawing Upgrade Projects for VicTrack. Drawings are upgraded based on priorities defined by Stakeholders.

The project involves:

- Liaising with VicTrack and rail stakeholders to prioritise sites for upgrade.
- Gather available hardcopy and electronic information, sources include site maintenance manuals, VicTrack DMS, RailMap, PCR and DOI PASS.
- Complete drawing upgrade and site survey to certify drawing 'As In Service'
- Upload information to DMS with a link to the PASS System.

These projects have a twofold objective; to update drawings to "As In Service" (AIS) - complying with newly developed CAD standards and to be uploaded to the VicTrack Drawing Management System (DMS). The DMS has recently been "in-sourced" from SKM as part of a separate VicTrack / Consulcad project.

