

## Mech. Design: Rail System

### P-806

Solutions for Rail Systems for Piping Tunnels etc. for bringing Personnel and Material throughout the Tunnel System:

- General Rail System
- Turn Table Rail Solution for accommodating Branches, Charging Stations or Direction Shifts in Tunnel
- End Stops

The Rail System should take the load from Personal Transportation & Motor Wagon as well as a towing load.

*For the Rail System at Right the Towing Load was 4.5t based on the weight of one-off Seal off valve. FEM analysis were made to ensure the Load Capacity of the Rail System.*

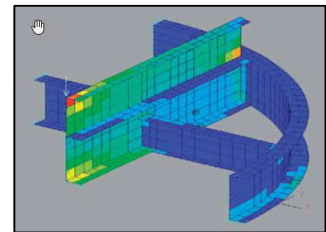
P-Engineering delivers:

- General 3D Arrangement
- Detail Arrangement
- Structural Steel Design
- FEM-analysis of Structure
- Foundation Design
- Welding Specifications
- Surface Treatment Specification
- Erection Instructions

P-Engineering makes final Shop Drawings for Structural Steelwork and final BoQ for e.g., Bolts and nuts, Adhesive Anchors etc.

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*Pictures from the Harbor Tunnel in Copenhagen.*