

Structural Steel: Pipe Bridges P-531

Solutions for Pipe Bridges in bespoke for the current application as Design Package, EPC or EPCm. P-Engineering designs special solution for both Greenfield Project and revamp of existing plants, where P-Engineering handled all onsite measuring.

Steelwork is designed according to Eurocode and Pipe Supports are adapted to the actual Piping Project. Preferable – as example from Vestforbrændingen – the pipe Bridge was erected with pipes already mounted in the Pipe Bridge laying on the ground.

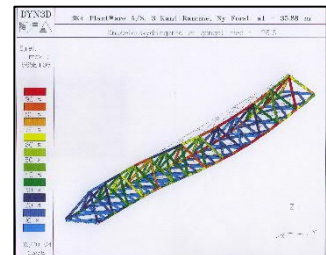
P-Engineering delivers:

- General 3D Arrangement
- Detail Arrangement
- Structural Steel Design
- FEM-analysis of Structure including Wind Loads in relation to Natural Frequency of Struc.
- Foundation Design handling Dead and Wind Loads
- Pipe Support Design (Fix-points, Sliding Support etc.)
- 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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Top picture a Simple Pipe Bridge; Middle picture is FEM analysis of an existing pipe bridge from Aarhus Harbor. Bottom pictures shows a large pipe bridge at a Waste Incineration plant - [Vestforbrændingen](#)