

Pipework – Connecting (Delivery + Pre-Fabrication in Workshop + Installation on Site)

Company Profile - Requirements for the Research

Assignment – Definition

The **connecting pipework systems** connect hand over points, pre-assembled control groups (pumps groups, filter groups, ...), tanks, heat exchangers, air supply units, spraybooths, ovens,

Company Size and Number of Employees

- Total length of pipework for one paint shop: approx. 20.000 meters
- Employees for pre-fabrication in the work shop: approx. 15
- Employees for installation on site: approx. 35

Pipework Material

- Stainless steel 304L / 1.4307 / DIN EN 10217-7 DIN EN ISO 1127
- Stainless steel 316L / 1.4404 / DIN EN 10217-7 DIN EN ISO 1127
- Mild steel 1.0255 P235TR2 / St37.4 / DIN EN 10217-1 DIN EN ISO 10220
- Mild steel galvanized DIN EN 10240
- Plastic PP-H DIN EN 8077/78

Pipework Connections

- Flange connection => steel + plastic pipes
- Welded connection => steel + plastic pipes
- · Screwed connection
- · Pressed connection
- · Victaulic couplings

Standard - Norm

- DIN EN 13480 1-5
- · Pressure equipment directive
- · CE Certificate

Certificates:

- · Welding certificates
 - mild steel
 - stainless steel => TIG welding
- A1 certificate of employment

Correspondence

• English or German mandatory for contact person + supervisor on site

Experience / Competences

- Experience in handling mild steel and stainless steel material.
- Experience in the automotive industry desirable.
- Experience in working in foreign countries.



Pipework – Connecting (Delivery + Pre-Fabrication in Workshop + Installation on Site)

Company Profile - Requirements for the Research

Description of production equipment for better understanding what we are looking for

- · Workshop for pre-fabrication
- · Storage area
- · Professional tools
- · Sawing machine / Cutting machine
- TIG welding equipment
- · Orbital welding machine
- · Bending machine
- Collaring machine (T-Drill) for forming of unequal T-pieces (deutsch: Aushalsmaschine)
- · Flanging machine



Pipework – Connecting (Delivery + Pre-Fabrication in Workshop + Installation on Site)

Company Profile - Requirements for the Research

Scope of supply => All material and services which are necessary to deliver and to install complete professional pipework systems.

- · Pipes and hoses
- Molded parts: elbows, t-pieces, reducers, flanges, stub ends, nipples, ...
- · Pre-fabrication in the work shop
- · Installation on site
- Connecting parts: clamps, gaskets, screws, ...
- Fixing material: holders, supports, hangers, brackets, ... => C-profile-rail system (HILTI, SIKLA, ...)
 - load calculation + design by the pipework supplier
- Installation of parts supplied by DÜRR => ball valves, butterfly valves, flow meters, ... (marked with "X" in the material lists)
- · Flushing, pressure test, leakage test, function test
- Painting
- Labeling
- Transport
- Insurance
- Documentation
- Site organization: scaffolds, lifting devices, container, traveling, accomodation, rental car, flight, ...

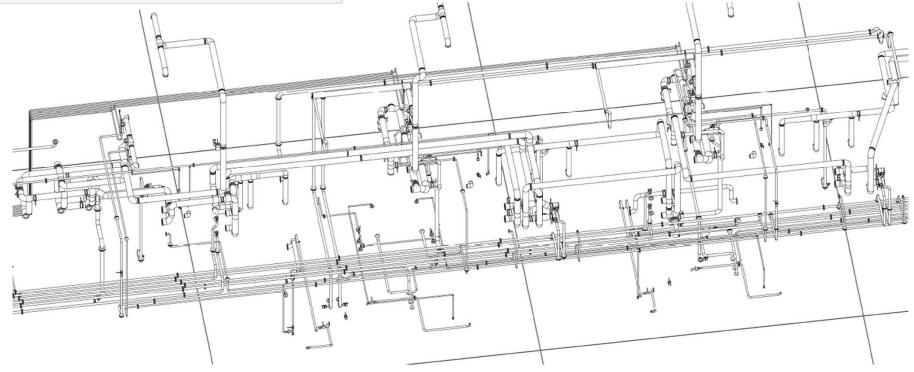
• ...



Pipework – Connecting (Delivery + Pre-Fabrication in Workshop + Installation on Site)

Company Profile - Requirements for the Research

Pipework for Pre-Treatment (PT) + E-Coat (EC) area





Pipework – Connecting (Delivery + Pre-Fabrication in Workshop + Installation on Site)

Company Profile - Requirements for the Research

Examples





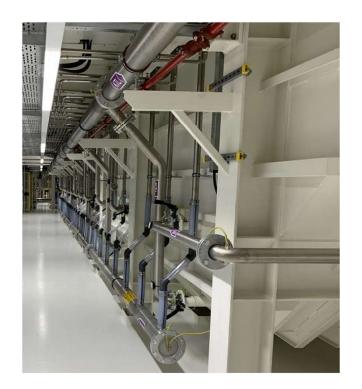


Pipework – Connecting (Delivery + Pre-Fabrication in Workshop + Installation on Site)

Company Profile - Requirements for the Research

Examples







Pipework – Connecting (Delivery + Pre-Fabrication in Workshop + Installation on Site)

Company Profile - Requirements for the Research

Examples







Pipework – Connecting (Delivery + Pre-Fabrication in Workshop + Installation on Site)

Company Profile - Requirements for the Research

Pre-Fabrication



