

Vessels analysis and manufacture



EQUIPMENT STRESS
ANALYSIS & SIZING

COMPANY PROFILE



Barth + Höpfinger
www.barth-hoepfinger.de

Barth + Höpfinger is a German company with 100 years of history specializing in design, analysis and manufacturing of the following types of equipment: vessels and systems including complete piping; containers, pressure vessels and vacuum vessels; heat exchangers, e.g. shell and tube heat exchangers (surface condensers) and evaporators.

Barth + Höpfinger serves engineering companies and research institutions from the chemical industry, the food industry, petrochemicals and environmental and surface technology, including well-known companies such as BASF, Bayer, Degussa, GEA and Linde.

Field of activities

Equipment for Chemical, oil and gas, pharmaceutical, food and light industry

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Project Description

Region

Germany

Dates

End of 2019 – September 2020

PASS software used

PASS/EQUIP Vessel

Scope

The project included calculation and manufacture of vertical vessels of the VEE or VEP type (GOST 9931-85) (20 units). All vessels are of the same type, but of different sizes.

Project Specific

Carrying out certification of vessels for the EAEU countries (Russia), according to the new codes (GOST 34347 instead of GOST R 52630) – strength calculation strictly as per GOST is required. Previously it was carried out according to EN 13445.

How PASS software helped in the project execution

PASS/EQUIP Vessel software turned out to be easy to learn and user-friendly. PASS/EQUIP Vessel calculation technologies and the product functionality helped to execute the project on time, in spite of the fact that the specialists did not have any experience in calculating as per GOST.

Results

All vessels were analyzed, manufactured and certified on time, and delivered to the customer.

