



Static Equipment Design & Analysis Consultants

SERVICES

Design

Types of Equipment

- Pressure Vessels, Reactors
- Limpeted/Jacketed Vessels
- TEMA Heat Exchangers
- Columns

Codes

- ASME Sec. VIII Div.1
- ASME Sec. VIII Div.2
- EN-13445
- AD-Merkblätter.

Analysis

Types of Analysis

- Nozzle junction analysis
- Flange analysis for UG-44
- Component / Equipment analysis
- Bellow FEA as per TEMA Sec.5 RCB.8
- Fatigue Analysis

Codes

- ASME Sec. VIII Div.2 (Part 5)
- EN-13445
- AD-Merkblätter.

U & U2-Stamp Consultation

- Manual & Software based design calculations.
- Joint review & design/drawing approval with concerned AI.
- UDR & MDR preparation and sign-off with AI.
- Act as Responsible Charge/Engineer as per Mandatory App.47.

PED Directive Compliance

- Carryout Design activities to meet the Pressure Equipment Directive 2014/68/EU.
- Responsible for preparation to approval of PED documents viz. Design calculations, Drawing, ESR, Hazard Analysis, Material Specifications, Operation Manual.

Drawing

- Complete drawing set including G.A. & Detail drawings.
- 3D modeling of equipment & 3D to 2D drawings.

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