CAD/CONSTRUCTION

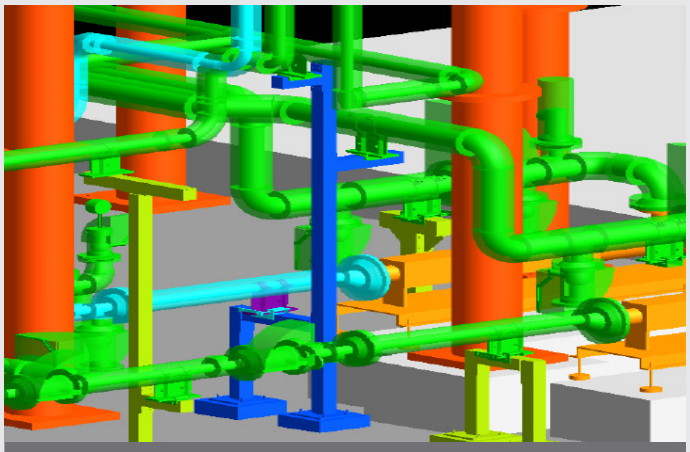
MODELING, DESIGN AND DERIVATION

Together with other departments, our CAD/design department processes your customized orders like revamping and modernization projects for chemical, petrochemical as well as food industry plants, creating technical drawings for piping, stress calculation, steelwork and their specifications.

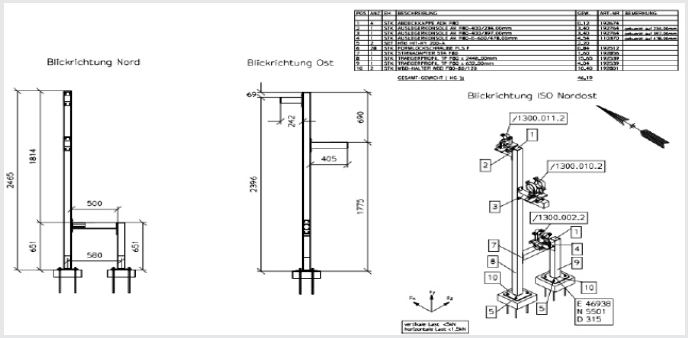
Our colleagues measure pipe bridges on site for subsequent in-house processing of the isometric drawings.

The special supports are designed, processed and drawn based on PDMS 3-D models.

The completed workshop drawings and parts lists will be forwarded to the clients' steelwork installation sites.



PDMS-Design
PDMS-Draft
SmartPlant 3D Piping
AutoCAD
AutoCAD MEP
MicroStation



Scope of Services

- Modeling of special supports in 3-D
- Incorporation, processing and control of design corrections / enhancements (QM)
- Creation, revision, drawing production of the special supports using PDMS draft
- QM of the special support drawings
- Documentation and database maintenance (in-house special supports database)
- Creation of technical drawings with AutoCAD
- Design of pipe hangers and special supports (technical sheets)
- Creation, revision, derivation of special constructions with PDMS draft
- Creation of P&IDs and process flow charts with MicroStation
- Creation of isometric drawings according to the specifications on site
- Processing and creation of new design templates (MicroStation)

Engineering & Maintenance

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