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Process Separation Specialists

OVERVIEW



DPS Delta is a process technology company bringing together the process engineering design expertise of DPS with the process equipment portfolio of Delta Process Systems.

Both have a wealth of experience in the oil and gas industry, and bring a significant amount of specialised knowledge in the design, fabrication and operation of such packages.

This combination provides the ability to rapidly supply a range of tried and tested process equipment across the globe, including engineering & drafting services and process designs & engineering / project management.

PROCESS TECHNOLOGY PORTFOLIO

DPS Delta has extensive design and operational knowledge and experience of proven oil, gas and water treatment processing equipment:

OIL & GAS:

- Separators
- Free water knock outs
- Inlet manifolds
- Electrostatic dehydrators and desalters
- Indirect heaters
- Slug catchers
- Amine units
- Scrubbers
- Filter separators / coalescers
- Glycol dehydration & regeneration
- Specialist internals (cyclonic inlets, vane and coalescing packs)

WATER:

- Corrugated Plate Interceptors
- IGF units
- Nutshell filters
- Media filters
- Deoiling Hydrocyclones
- Desanding Hydrocyclones

Our aim is to maintain our high quality, specialised service that provides high efficiency engineering studies, services and manufacturing, with a continued emphasis on meeting our client's aims and objectives at the lowest possible cost.



ENGINEERING SERVICES

DPS Delta has a team of highly skilled and experienced engineers and designers, capable of handling all phases of a project, from conceptual design and detailed engineering, through fabrication to installation and support. As well as having access to the latest design software, our engineers have in-house, in-depth, specialised knowledge in the design of oil and gas process equipment.

Process and General Engineering Services:

- FEED studies
- Trouble shooting and operational studies
- Equipment design and supply of proprietary internals
- Mechanical, structural, instrument and control, and project management

Engineering / Drafting Software:

- HYSYS hydrocarbon simulation program
- PV-ELITE ASME design program
- AUTOCAD computer aided design software
- RISA-3D structural beam analysis program
- Bespoke in-house design software i.e. separator, scrubber, tower sizing, etc.



PROCESS DESIGN



DPS Delta are also in the position to offer process designs and guarantees to international partners who wish to provide the fabrication themselves.

If this is requested, we can provide:

- Process design of equipment, proprietary internal costs and process skid design during bid stages
- Mechanical design of ASME pressure vessels, piping stress analysis and structural design of skids
- Assistance and reference list for pre-qualification
- Detailed equipment designs, proprietary internals, instruments, valves and ongoing assistance during construction phase
- Process guarantees on performance of equipment