



Products • Services • Projects

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Projects Division

Our Projects Division is fully resourced in-house to provide a complete engineering, procurement, installation and commissioning (EPIC) package, managed by project managers who act as single points of contact (SPOC) during the entire project life cycle.

Our project managers are responsible for coordinating all inter-disciplinary activities and interfaces relating to HVAC and Refrigeration (HVACR) engineering through working closely with the customer. As a company we are highly experienced at executing both Brownfield and Greenfield projects on a world-wide basis, on a varied range of petrochemical asset types and facilities.

Our engineering processes focus on managing deadlines and deliverables from conceptual design and engineering through to manufacture, supply, installation and commissioning. Ongoing proactive interface and communication with the client ensures that we meet quality plans, key performance indicators and project milestones.

Starting at the CAD station, our project service ranges from conceptual design to the production of detailed plans, engineering drawings, calculations, construction work packs, related documentation and certification packs, whilst working to a variety of international design standards including ISO, ASHRAE, CIBSE and NORSOK.

Design and engineering is supported by our own in-house manufacturing capability, as well as our procurement expertise in sourcing and supplying 3rd party 'off-the-shelf' equipment. We also draw upon the extensive installation and commissioning expertise of our Services Division to provide a seamless integrated service to our customers.

We are competent and experienced in undertaking the project management of multi-facet projects, beyond the normal HVACR scope. This is achieved through working closely with our approved subcontractors and vendors to deliver associated works such as architectural services, structural engineering, piping, electrical, instrumentation and fire and gas engineering, and provide an integrated solution with a single point of contact.



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Greenfield Projects

Whether we are involved at the conceptual design and engineering stage, or following the production of a mature design by the client, we have the experience to deliver the complete project on a turnkey basis.

Our project expertise covers a wide range of international client specifications delivered in most areas of the world where there are offshore petrochemical assets and onshore facilities located. Our extensive knowledge base enables clients to use our depth of experience to assist them in achieving the right solution for all of their HVACR project needs.



Brownfield Projects

Brownfield projects, involving modification or upgrade of existing HVACR systems, can often be particularly challenging due to the need to carry these out while the asset continues to operate.

Our extensive experience in executing such projects both while the asset is still operating, or as part of a time critical shutdown, or shipyard scope of works, enables us to deliver the project seamlessly, on time and on budget.

Critical to the success of such works is the level of planning that goes into interfacing with other services on the asset and we have a well tried and tested method of achieving this via our project interface planning (PIP) system.

Utilisation of PIP alleviates the likelihood of unwelcome surprises at a critical stage of the works and ensures that these potential problems are designed out at an early stage in the project.



Project Work Plan

To ensure we provide our clients with a safe, efficient, and cost effective HVACR solution, we apply a tried and tested work plan regime:

- Designate Project Manager.
- Agree work scope and responsibilities.
- Conduct site survey, if required.
- Verify work scope and agree engineering concept with client.
- Present basis of design, time scales, and costs.
- Client review and approval.
- Manufacture, Install and Commission.
- Review and close out meeting with client.



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Asset Expertise

- Drillships
- FPSO / FSO
- LNG vessels
- Fixed platforms
- Onshore refineries
- Accommodation barges
- Mobile offshore drilling units

Areas of Expertise

- Accommodation modules
- Engineering modules
- Galley & mess areas
- Laundries
- Drilling modules – shaleshakers, mud pits, sack stores
- Switchgear & transformer rooms
- Engine rooms
- LER / control rooms
- General machinery spaces
- Temporary refuges (TR) / shelters in place (SIP)
- Analyser houses / metering stations
- VSD modules
- Power generation modules
- Hazardous areas, doghouses, drilling cabins

Engineering Deliverables

- Survey & definition of worksopes
- Front end engineering design studies
- Project detailed design engineering
- Project procurement
- Turnkey packages
- 2D & 3D draughting
- Full documentation & certification packs
- Overall project management
- General arrangement drawings (GAs)
- Heating & cooling load calculations
- Installation workpacks
- Electrical calculations
- Duct pressure loss calculations

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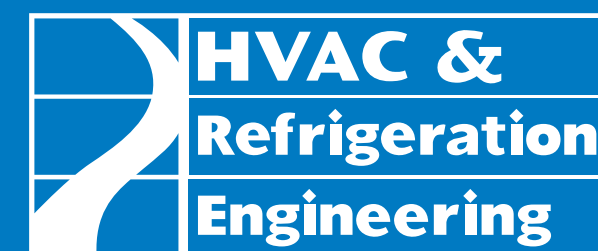
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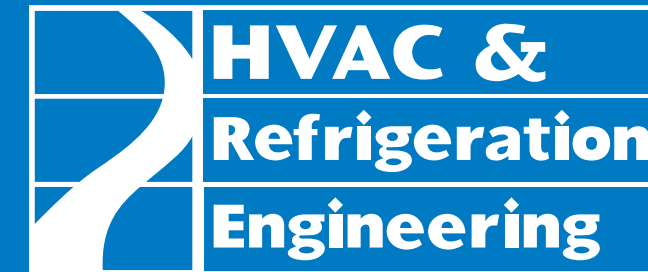
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Providing Services Globally...



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