



HESPER

ENGINEERING

Seamless engineering
where it matters most

Seamless engineering where it matters most

MARINE ENGINEERING

Combining a drive for continuous innovation with years of experience, Hesper's highly trained, qualified technical team is equipped to solve any engineering concern on board your vessel, in your factory, or in our fully equipped workshop a stone's throw away from Cape Town Harbour.

Staying abreast of the latest trends in the engineering market and applying our knowledge to diverse projects, we ensure that you receive the highest standard of advice and work at all times finding the best solutions to suit you.

INDUSTRIAL ENGINEERING

Hesper Industrial specialises in providing a full turnkey approach to steel and engineering services that begins with exploring the problem with our client before progressing towards detailed engineering and production to provide a customised solution.

Our team of principal level engineers and artisans ensure a general engineering proficiency that provides a personalised, professional, cost-effective service. A core group of experienced personnel is complemented with access to "on-call" contract staff to ensure that fluctuating workloads can be easily managed.



Engineering is our passion

Conveniently located in Cape Town, South Africa, Hesper Engineering's team of service engineers and technicians are on hand around the clock to provide tailor-made solutions that meet the individual needs of our clients.

As a Level 2 BBBEE contributor, we offer fully-integrated and turnkey solutions to the manufacturing, heavy engineering, mining and FMCG sectors. Using cutting edge technology, our team can undertake anything from small emergency repairs to large-scale fabrication projects across a range of industry sectors.

TURNKEY PROJECT MANAGEMENT

By providing a single point of contact for a project, our integrated solutions offer in-depth expertise while minimising the risk across the full life of the project.

With years of experience, our project leaders are involved from the initial planning stages right through to the finalisation of the project. This ensures that the project scope is properly defined and agreed upon, and that it is meticulously managed for maximum efficiency.

PROJECTS INCLUDE

- Midlife refits
- Modifications
- Optimisation
- Vessel dimension / capacity changes
- Vessel life extensions
- Repurposing
- Regulatory changes
- Accommodation refurbishment

STEEL FABRICATION AND SUPPLY

We are an excellence-driven custom steel fabricator and supplier that offers fast, quality solutions to serve a variety of customer needs. In touch with the current market, we are able to assess project requirements to provide an accurate forecast of time and material costs.

STEEL FABRICATION OFFERINGS

- Steel and pipework
- Coded welding services
- Boiler shop services
- Onsite manufacturing and installation
- General hot works

**Excellence and innovation
built into every design**

SPECIALISED RIGGING SERVICES

Hesper Engineering is able to supply a full range of rigging equipment to ensure the safety of any rigging project.

- General onboard rigging
- Rigging of thrusters, engines and alternators
- Rigging of tail shafts and rudders

SPECIALISED INSPECTION SERVICES

At Hesper Engineering, we understand the importance of vessel inspections to ensure the health and safety of crew members and those working on board.

A thorough inspection can provide valuable information about a vessel's condition - information that will assist the owner / agent with future repair and maintenance decisions.

Although not a warranty or a guarantee, an inspection provides up-to-date information about the conditions observed on board a vessel.

PRESSURE TESTING

- Pressure vessels
- Pipelines
- Tanks

NON-DESTRUCTIVE TESTING

- MPI (Magnetic Particle Impregnation)
- Ultra-sound
- Vacuum testing of welding

ROOT CAUSE ANALYSIS

- The why
- Data gathering
- Data analysis
- Cause determination
- Recommendation generation

SHIP REPAIR

Hesper Engineering offers a range of maintenance and repair services that cover your vessel from hull to engine, ensuring that it remains in Class at all times.

Specialising in onsite repairs, we can respond to emergency and breakdown situations; or can undertake planned maintenance as well as dry dock or conversion projects.

With a 40-year track record in marine engineering and accredited to ISO and TRACE standards, we have developed a reputation for offering safe and reliable turnkey engineering solutions for all types of vessels.

Our full range of services for vessel owners covers propulsion and auxiliary systems as well as valve overhauls ranging from 25 mm to 900 mm.

All valves are stripped, machined and lapped as well as cleaned and inspected to ensure that they are within manufacturers' tolerance before being put back into service.

- Repair and maintenance
- Auxiliary systems
- Valve overhaul

PROPULSION SYSTEM SPECIALISTS

As propulsion system specialists, Hesper Engineering concentrates on attention to detail at the systems level.

We offer a full range of solutions that optimise the efficiency of your propulsion system from propeller shafts, bow thrusters, seals, propeller blades and more.





CARPENTRY

Providing additional services to the shipbuilding sector, Hesper Engineering handles turnkey galley, accommodation, laundry and workshop outfitting that specialises in cabinetry layout, fabrication and installations.

Our expertise is geared towards woodwork layouts and fibreglass mouldings.

CARPENTRY SERVICES

- Cabinet making
- Bridge fitting and modification
- Accommodation and cabin refurbishment
- Shop- and ship-fitting
- Mouldings and finishing
- Insulation and related services

APPLICATIONS INCLUDE

- Fish hold linings
- Fish factory coatings
- Bridge deck waterproofing
- Exhaust lagging

Applying professional techniques to ensure quality service

BLASTING, COATING, PAINTING AND TANK CLEANING

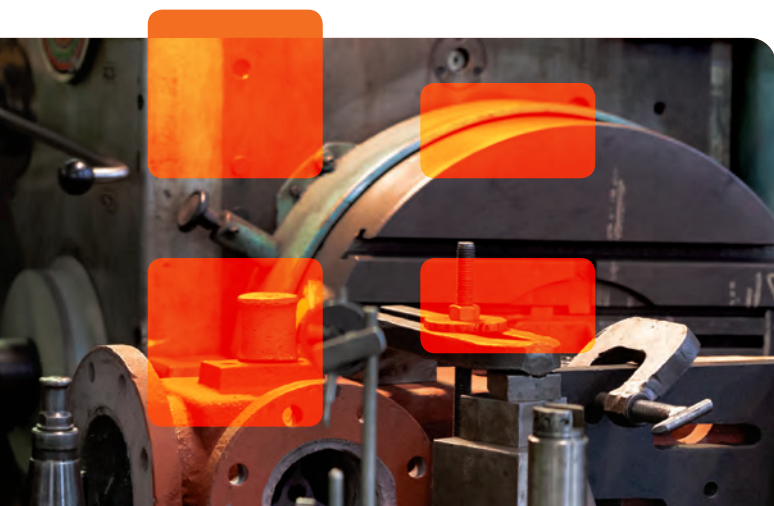
We are able to undertake complete refits in the port of Cape Town, Saldanha Bay and Simons Town with 24 / 7 yard availability.

Our blasting and coating applications take place under controlled and safe conditions, always complying with the safety requirements and the requirements of the paint manufacturer.

Our team will meet stringent time demands to ensure the job is done to your satisfaction.

INCLUDING, BUT NOT LIMITED TO

- Hull cleaning, blasting, and coating
- Tank pumping and cleaning
- Deck / structures – degreasing, washing, scaling and painting
- Engine room bilges – pumping, degreasing, cleaning and removal of sludge
- Miscellaneous services such as labour, protection, industrial cleaning, quality control



Marine and industrial engineering

Turnkey project management
Steel fabrication and supply
Specialised rigging services
Specialised inspection services
Ship repair
Propulsion system specialists
Carpentry
Blasting, coating, painting and tank cleaning

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Hesper Engineering is TRACE, ISO 9001:2015 and ISO 45001:2018 certified.
View our complete Tcertified Due Diligence report here.
B-BBEE level 2 contributor.

A SGM Brand | A Grindrod Group Company