Techwise | *We Strive for Excellence*



Techwise Offshore Consultancy

Engineered solutions and value-adding services for the offshore and marine industry

DESIGN & ENGINEERING · CONSTRUCTION MANAGEMENT · MARINE ASSURANCE

ABOUT TECHWISE

A Regional Consultancy Built in Singapore

Founded in Singapore in 2016, Techwise has grown into a regional business across Asia Pacific.

We provide Design & Engineering, Construction Management and Marine Assurance to the offshore and marine industry.



WHO WE SERVE

- **Field Developers**
- **Drilling & Marine Contractors**
- **Shipbuilders**
- **Fabrication Yards**
- **Offshore Asset Owners**

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ABOUT TECHWISE

Techwise in Numbers

80+
Full-time Employees at Six Techwise Offices

60+
Part-time Marine Surveyors across Asia Pacific

800+
Pre-screened Construction Management Specialists

1200+
Finite Element Analyses

230+
Anchor Pattern Designs and Mooring Analyses

620+
Offshore Vessel Surveys

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ABOUT TECHWISE

What Drives Us

OUR VISION

To be the leading offshore, marine and engineering consultant in the Asia Pacific region.

OUR MISSION

To provide high-quality services and cost-effective solutions to our clients.

We Strive for Excellence

Value-adding **I**nnovative **E**fficient

VIE: We Strive for Excellence

Team-minded **O**ptimistic **C**onscientious

TOC: Techwise Offshore Consultancy

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ABOUT TECHWISE

Growing with Our Clients across Asia Pacific



1	**Singapore**	Headquarters	**Aug. 2016**
2	**Tianjin, China**	Branch office	**May 2023**
3	**Qingdao, China**	Branch office	**Nov. 2023**
4	**Bangkok, Thailand**	Branch office	**Oct. 2025**
5	**Nantong, China**	Branch office	**Jul. 2026**
6	**Shenzhen, China**	Branch office	**Sep. 2026**

○ Local representatives

Vietnam · Myanmar · Malaysia · Indonesia · Brunei · South Korea · Timor-Leste · Papua New Guinea

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HOW WE WORK

Our In-House Applications

TBMS

Techwise Business Management System

An integrated management system for admin & HR, CRM, projects and finance.

One system for the whole business, with clear process flows across every department.

TVIE

Techwise Vessel Inspection Experts

Cloud-based vessel inspection checklists and inspection report generator.

Used for all our offshore vessel inspection reports, often issued within 48 hours.

TMOS

Techwise Marine Operation Specialists

Cloud-based marine operation checklists and attendance report generator.

Consistent, high-standard attendance reports for every marine operation.

Built in-house and continuously improved with client feedback

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HOW WE WORK

Certified to ISO 9001, 14001 and 45001

One integrated management system, certified by ABS Quality Evaluations and covering all three business lines, so our clients get the same quality, environmental and safety standards on every project.



ISO 9001:2015
Quality Management



ISO 14001:2015
Environmental Management



ISO 45001:2018
Occupational Health & Safety

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OUR CLIENTS

Trusted by Industry Leaders

PTTEP
valeura energy
MEDCOENERGI
Woodfibre LNG
GOE GLOBAL OFFSHORE ENGINEERING
MCDERMOTT
POSH
COOEC 海油工程
SKADI OFFSHORE
VANTRIS ENERGY
energy drilling Your Partner in Drilling
COSL
DEEPOCEAN
Seatrium
PaxOcean
COSCO SHIPPING
WELFAB ENGINEERING WORKS SDN BHD
ENA SINCE 1968 Masters of Offshore Solutions
Cyan renewables
AESEN
Pacific Radiance
KIM HENG

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OUR SERVICES

Three Business Lines, One Integrated Team



Design & Engineering

Structural Engineering, Naval Architecture, T & I Engineering and Pipeline Detailed Design



Construction Management

Project Management, Onshore Fabrication, Offshore Construction and Local Support in China



Marine Assurance

Vessel Surveys, Dynamic Positioning, Marine Operations and Marine Warranty Survey

Engineering, construction and marine expertise under one roof, across the full project lifecycle

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OUR SERVICES

Design & Engineering

Structural Engineering

- Global Strength Analysis
- Local Strength Verification
- Structural Optimization
- Reinforcement Design
- Non-linear, Buckling and Fatigue Analyses
- Impact and Blast Analyses

Naval Architecture

- Ballasting Calculations
- Intact & Damage Stability Analyses
- Vessel Motion Analyses
- Mooring Pattern Design
- Mooring & Riser Analyses
- Bollard Pull & Towing Analyses

T & I Engineering

- Loadout by Lifting, Trailers or Skidding
- Seafastening & Transportation
- Jacket Launch & Topsides Float-over
- Pre-laid Mooring & SURF Installation
- FPSO Towing & Hook-up
- Subsea Pipeline & Cable Installation

Pipeline Detailed Design

- Pipeline Expansion Analyses
- Pipeline On-bottom Stability
- Allowable Free Span Design
- Riser Clamp Design
- Riser & Tie-in Spool Analyses
- Crossing & PLEM Design

1200+ Finite Element Analyses · **230+** Anchor Pattern Designs and Mooring Analyses

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OUR PROJECTS · DESIGN & ENGINEERING

Anchor Pattern Designs and Mooring Analyses

Engineering capability enhanced by operational experience

Client	Location	Duration
Vantris	**Southeast Asia**	**2024 – Present**

Scope of work

Anchor pattern design and mooring analyses for Tender Assisted Drilling (TAD) rigs operating in Southeast Asia.

Highlights

Our naval architecture team works closely with the Vantris marine team to optimize mooring patterns and keep offshore operations safe. The engineering team is backed by our mooring masters and rig movers, who bring extensive hands-on experience in mooring deployment, so mooring patterns are technically sound and practical to install and recover offshore.

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OUR PROJECTS · DESIGN & ENGINEERING

T & I Engineering for Vietnam Binh Dai Wind Power Plant

Engineering expertise supported by a local site team

Client	Location	Duration
NTOC	Offshore Vietnam	2020 – 2021

Scope of work

Local support in Vietnam to the EPIC contractor on project management and coordination; operational procedures and engineering analyses for wind turbine transportation; offshore construction plans, analyses and drawings for wind turbine installation.

Highlights

Having a local team at the project site was especially valuable during the COVID-19 period. Our office-based engineering team worked seamlessly with the site team, from planning, procedures and engineering through to site execution.

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OUR PROJECTS · DESIGN & ENGINEERING

Derrick Equipment Set (DES) Design and Engineering

A full range of engineering services for DES

Clients	Location	Duration
TAD Rig Owners	**Southeast Asia**	**2017 – Present**

Scope of work

Analyses of masts, drill floors and master skids under lifting and in-place conditions; DES modification and upgrading design; DES lift-on and lift-off analyses and drawings; DES platform loading analyses.

Highlights

In the past decade, Techwise has been working on DES engineering for most of the Tender Assisted Drilling (TAD) rigs operating in Southeast Asia.

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OUR SERVICES

Construction Management

Project Management

- Technical Bid Evaluation
- Planning & Scheduling
- Cost Estimation & Control
- Subcontract Management
- Interface & Risk Management
- Change & Claims Management

Onshore Fabrication

- Yard Audit & Assessment
- Construction Supervision
- Quality Management & Inspection
- HSSE Management
- Testing & Pre-commissioning
- Delivery & Handover Management

Offshore Construction

- Installation Methodology Review
- Offshore Construction Supervision
- Offshore HSSE & Quality Control
- Vessel Mobilization & Demobilization
- Hook-up & Commissioning
- Offshore Decommissioning

Local Support in China

- Yard Liaison & Coordination
- Translation & Interpretation
- Regulatory & Authority Liaison
- Visa & Work Permit Support
- Procurement & Vendor Sourcing
- Logistics & Customs Coordination

4 Branch Offices in China · **800+** Pre-screened Construction Management Specialists

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OUR SERVICES · CONSTRUCTION MANAGEMENT

Our Solutions for Construction Supervision in China



We supply and manage the complete site team, supported by logistics from our experienced local partners, so clients keep full control of quality, schedule and cost.

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OUR PROJECTS · CONSTRUCTION MANAGEMENT

Construction Support for LNG Terminal Project

From design and supervision to marine assurance

Client	Location	Duration
EPC Contractor	Two yards in China	2023 – Present

Scope of work

Yard follow-up engineering, construction supervision, marine consultancy, local logistics and procurement support.

Highlights

With more than 800 pre-screened specialists, Techwise has one of the largest pools of construction management specialists in China, providing comprehensive support from detailed engineering, construction supervision and in-country support to marine consultancy for loadout, transportation and installation.

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OUR PROJECTS · CONSTRUCTION MANAGEMENT

FPU Conversion, Towing and Hook-Up Support

From conversion support to offshore hook-up management

Client	Location	Duration
EPC Contractor	**Black Sea**	**2025 – Present**

Scope of work

Conversion engineering services and supply of project engineers and a hook-up manager to support the EPC contractor with project management and coordination before and during towing and offshore installation of the FPU.

Highlights

Our hook-up manager acts as the client's focal point, liaising with all other parties involved to coordinate a safe and efficient towing and hook-up campaign.

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OUR SERVICES

Marine Assurance

Vessel Surveys

- Suitability Surveys
- On/Off-Hire Surveys
- Pre-purchase Condition Surveys
- Marine Assurance Audits
- IMCA eCMID Surveys
- OCIMF OVID Inspections

Dynamic Positioning

- DP FMEA Review
- DP Proving Trials
- DP Annual Trials
- DP System Audits
- DP Operations Manual Review
- DP Gap Analyses

Marine Operations

- Float-on & Float-off
- Rig Move & Positioning
- Mooring & Anchor Handling
- Marine Coordination
- HIRA & HAZOP Facilitation
- Client Representation

Marine Warranty Survey

- Technical Document Review
- Independent Verification
- Vessel Suitability Surveys
- Risk Assessment
- Site Attendance & Inspections
- Certificate of Approval

60+ Part-time Marine Surveyors across Asia Pacific · **620+** Offshore Vessel Surveys

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OUR SERVICES · MARINE ASSURANCE

Our Process for Marine Warranty Approval

1

Project Planning

Agree scope, schedule and critical operations

2

Review Documents

Revise and clarify until approved

3

Inspect Vessels

Rectify or change vessel until accepted

4

Check Site Preparations

Rectify until satisfactory

5

Issue CoA & Report

Operation approved to proceed

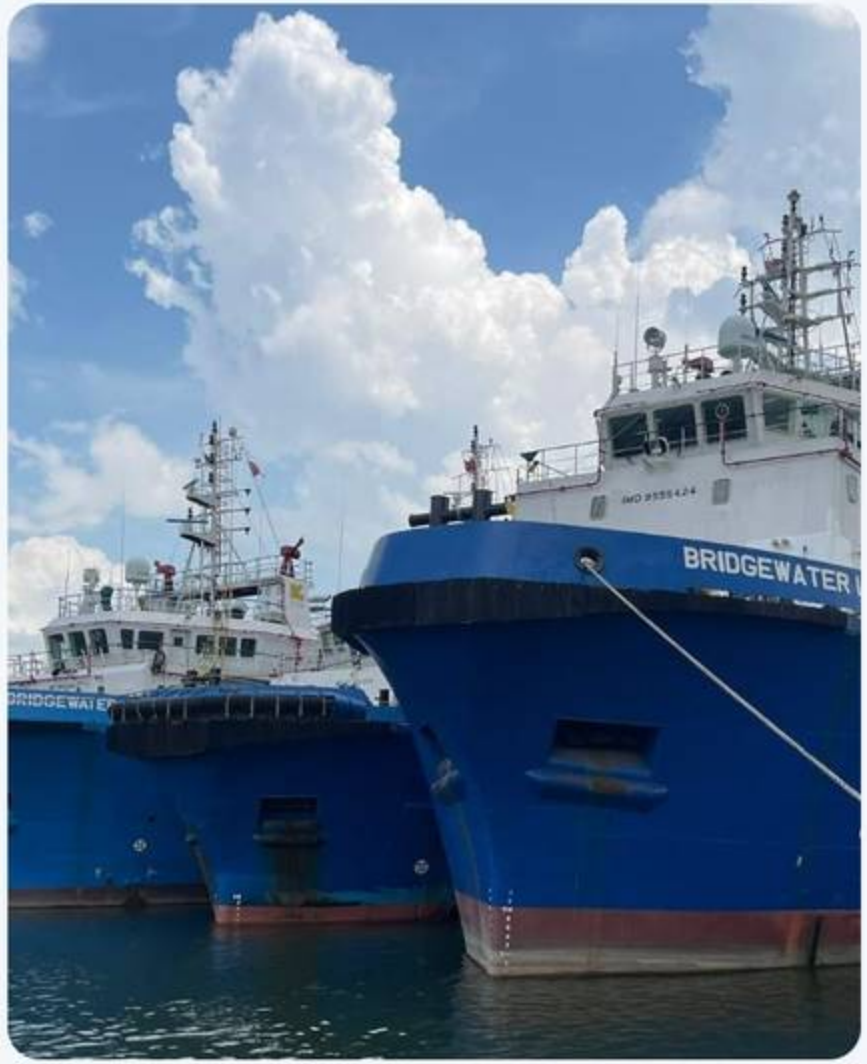
In-house T & I Engineering Expertise

Technical reviews by our own experienced transportation and installation engineers.

Cloud-based TVIE & TMOS

Consistent, high-standard vessel survey and site attendance reports, often issued within 48 hours.

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OUR PROJECTS · MARINE ASSURANCE

Third-Party Vessel Surveys and Marine Consultancy

A long-term partnership built on trust and innovation

Client	Location	Duration
PTTEP	Southeast Asia	2017 – 2028

Scope of work

Third-party vessel surveys and general marine consultancy services, part of our 620+ offshore vessel surveys to date.

Highlights

All our offshore vessel inspection reports are prepared in TVIE, our cloud-based inspection tool, which reflects our VIE values: Value-adding, Innovative and Efficient. Through this long-term partnership, we continuously improve TVIE with PTTEP and vessel owners' feedback.

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OUR PROJECTS · MARINE ASSURANCE

Marine Warranty Survey for Bualuang Phase 5

Backed by in-house T & I engineering and digital tools

Client	Location	Duration
Medco	**Gulf of Thailand**	**2025**

Scope of work

Full Marine Warranty Survey services, including technical reviews, vessel suitability surveys, risk assessment, site inspections and approval of critical marine operations.

Highlights

Techwise is one of the few MWS companies with strong in-house T & I engineering and a wide network of local marine surveyors across Asia Pacific. Our TVIE and TMOS tools guide every survey and site attendance, with reports often issued within 48 hours.

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Techwise

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Let’s Work Together

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Value-adding · **I**nnovative · **E**fficient · **T**eam-minded · **O**ptimistic · **C**onscientious

We Strive for Excellence