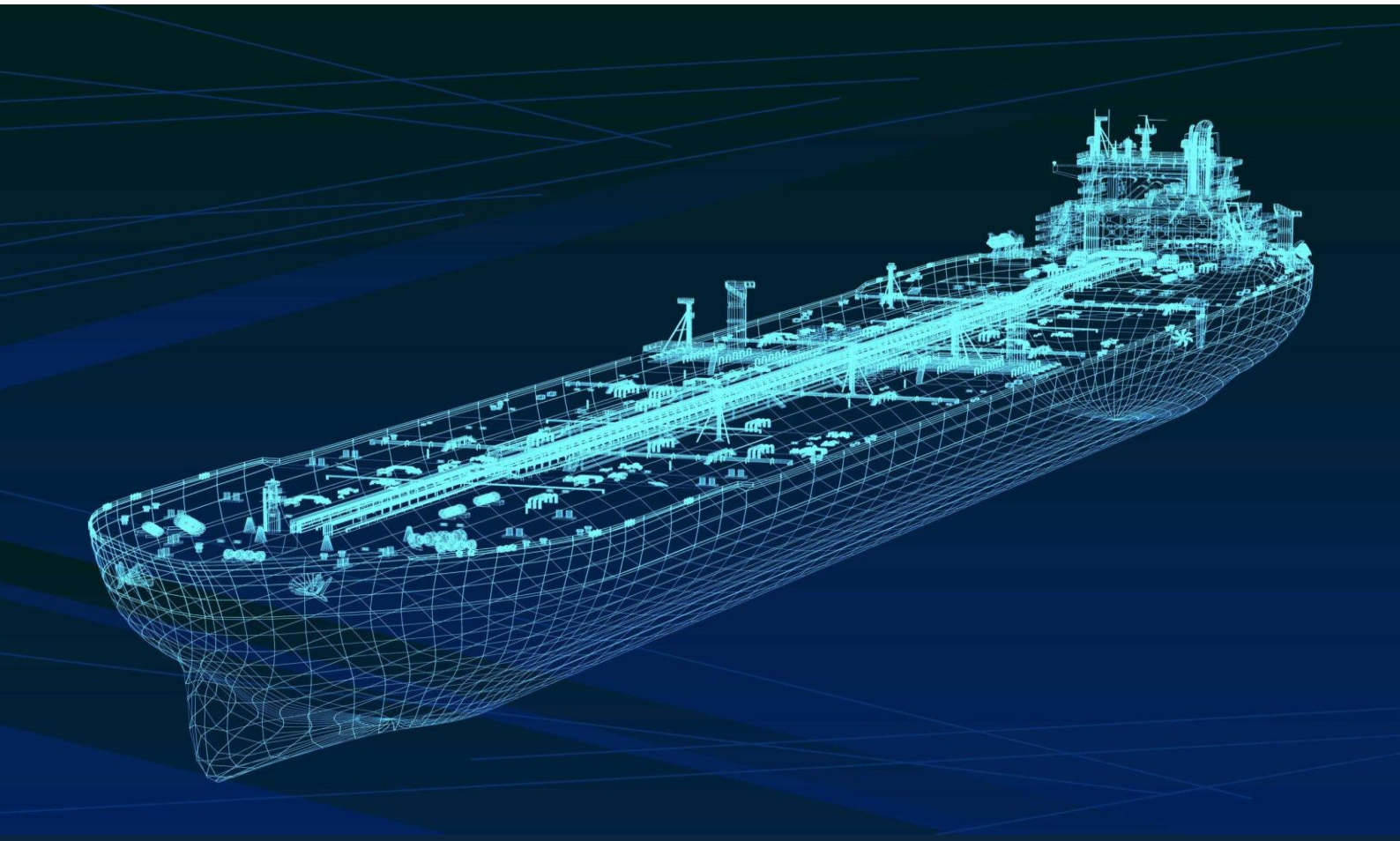
FINBRID TECHNOLOGY LLP

Electrical • Marine • Automation Solutions



COMPANY PROFILE · 2026–27

Marine & Industrial Electrical Engineering, Panels and Automation

Design, class approval drawings, switchgear and control panels, testing and commissioning, for shipyards, ship owners, EPCs and infrastructure projects.

MSME / UDYAM	GSTIN	ESTABLISHED	ENQUIRIES
UDYAM-MH-33-0759444	27AAJFF8236E1ZC	2024	sales@finbrid.in

ABOUT US

Who We Are

Finbrid Technology LLP, established in 2024, is an engineering-focused organisation providing electrical design, switchgear and panel manufacturing, automation, and testing and commissioning services for marine, offshore, industrial and infrastructure projects.

We support clients from concept and feasibility studies through detailed design, procurement support, manufacturing, installation and commissioning, to as-built handover. Our work is built on clear documentation, practical engineering and coordinated execution, delivered by a team of qualified engineers with hands-on shipyard and site experience.

OUR MISSION

To be a trusted technology and engineering partner, delivering high-quality, innovative and sustainable solutions that help our clients succeed in a rapidly evolving global environment.

Reliability & Partnership

Dependable engineering and long-term support, tailored to each client's project and business needs.

Expertise & Innovation

Deep technical knowledge and industry experience, applied to optimised and practical designs.

Sustainable Growth

Future-ready technologies and sustainable practices that create lasting value for clients and partners.

Core Focus Areas

- Marine and offshore electrical engineering
- Electrical system design, calculations and studies
- Class approval and production drawings
- Retrofit, upgrade and feasibility studies
- Switchboards, MCCs, distribution and control panels
- Automation, control, alarm and monitoring systems
- Motor control, VFD and starter solutions
- Testing, commissioning and troubleshooting

Who We Work With

Shipyards | Ship Owners & Managers | Naval Architects & Consultants | Offshore | Defence | EPC Contractors | Industrial Plants | Metro & Infrastructure

ENGINEERING DESIGN & ANALYSIS

Electrical Engineering Design

Design and consultancy for new build, retrofit and upgrade projects across marine, offshore, industrial and infrastructure sectors, from class approval drawings to production and installation documentation.

01 Class Approval Drawings

- LV / MV power Single Line Diagrams (SLD)
- Power key diagrams
- Electrical load analysis and load balance
- Power distribution studies
- Transformer sizing and capacity calculations
- 24 V DC battery and charger sizing

02 System Studies & Calculations

- Short-circuit studies
- Cable sizing and voltage-drop calculations
- Protection coordination studies
- Earthing and bonding philosophy
- Illumination calculations, lighting SLDs and layouts
- To IEC, classification and defence standards, as applicable

03 Production & Installation Design

- Electrical production drawings and cable routing
- Cable tray / ladder layouts (2D and E3D)
- Equipment arrangement drawings
- Master cable schedules
- Interconnection and system termination drawings
- Installation support and shipyard coordination

04 Marine Electrical Systems

- Main and emergency power distribution
- Generator and shore supply interfaces
- Navigation and lighting power distribution
- Battery and DC systems
- Fire detection and navigation system interfaces
- PMS / AMS integration support

05 Retrofit & Feasibility

- Shore power (AMP / HVSC) retrofits
- BWTS, scrubber and FSO upgrades
- Modernisation of existing vessel systems
- Feasibility studies and detailed engineering
- Switchgear selection
- Material take-off and project cost estimation

06 Drafting & 3D Modelling

- Detailed AutoCAD drafting and production drawings
- 3D modelling and visualisation
- Design validation and clash detection
- Equipment layout and routing integration
- Structural and outfitting detailing support
- Revision-controlled document numbering

TYPICAL DELIVERABLES

- Electrical design basis and equipment specifications
- Panel GA, SLD, schematic and wiring drawings
- Class and owner submission packages
- Load, cable and termination schedules
- MTO / BOQ and procurement specifications
- Inspection, test and commissioning records

DESIGN · MANUFACTURE · SUPPLY

Switchgear, Panels & Automation

LV switchgear and control panels engineered to project specifications and classification requirements, with complete design documentation from GA and SLD to wiring and test records.

Marine LV Switchgear Design

- LV main and emergency switchboards
- Motor Control Centres (MCC) and group starter panels
- Power and lighting distribution boards
- Transformer Rectifier Units (TRU) and 24 V DC distribution panels
- Battery charger panels and DC systems
- PCC, APFC and auxiliary panels
- Control, protection and interlocking schematics
- Technical datasheets to client specification and class requirements

STANDARDS

Designed in line with IEC, marine classification society and defence standards, as specified for each project.



Main switchboard, factory-built by Finbrid

Product Range

Switchboards & MCC / PCC

Main and emergency switchboards, motor feeders, distribution and control sections.

Distribution Boards

Power, lighting, emergency, utility and equipment DBs with project-specific schedules.

VFD & Motor Control

VFD panels, soft starters, DOL / star-delta starters, bypass and braking arrangements.

Automation & Control

PLC / interface panels, HMI and SCADA interfaces, I/O and interconnection documentation.

Alarm & Monitoring

Alarm monitoring panels, flood alarm systems, wheelhouse and ECR consoles.

Shipboard Supply

Supply of shipboard electrical consumer items to design specifications.

PLANT · MACHINERY · INFRASTRUCTURE

Industrial Electrical & Site Services

The same engineering discipline we apply on board, brought to plant, machinery and infrastructure electrical systems, from studies and panels through to testing, commissioning and handover.

Engineering

- Load calculations
- Cable sizing
- Protection coordination
- Short-circuit studies
- SLD and schematic design

Panels & Distribution

- LT panels
- MCC / PCC
- DBs and control panels
- Starter panels
- APFC and auxiliary panels

Drives & Motors

- VFD panels
- Soft starters
- Motor feeders
- Braking solutions
- Interlocking and control

Automation

- PLC interface support
- HMI / SCADA interface
- Instrument signals
- Alarm and monitoring
- I/O documentation

Testing & Commissioning

- FAT support
- SAT support
- Insulation and continuity checks
- Functional testing
- Troubleshooting

Project Support

- BOQ / MTO preparation
- Technical bid support
- Vendor coordination
- Site survey
- As-built documentation

Installation & Commissioning

- LV main switchboards and control panels
- MCCs, group and individual starter panels
- New-build and retrofit installation
- Energisation, testing and functional checks

Site Services

- Electrical site audits and condition assessment
- Feasibility studies for upgrades and retrofits
- Manpower support for installation and commissioning
- Technical coordination with shipyards and contractors

Engineering deliverables are structured to suit client, consultant, shipyard, EPC and authority review workflows.

TRACK RECORD

Project Experience

10	5	14
New ship design projects	Retrofit and upgrade areas	Vessels supplied, 2025–26

New Ship Design Projects

- 42 m High-Speed Craft
- 75.4 m AHT Supply Vessel (DP-2)
- 90 T and 150 T AHT Supply Vessels
- 80 m Landing Craft
- 2,500 DWT River Vessel
- 2,500 DWT RSV – Class IV
- 4,500 DWT Cargo Carrier
- 700 KL Oil Carrier
- 14 m FRP Catamaran Vessel
- Ro-Ro Passenger Vessel

Retrofit & Upgrade Projects

- Alternative Marine Power (AMP) retrofits
- Ballast Water Treatment System (BWTS) retrofits
- Scrubber and emission control system retrofits
- Cruise ship electrical upgrades
- Tug boats (10 T and 12.2 T bollard pull)

Manufacturing & Panel Design Projects

PROJECT	SCOPE SUPPLIED
20 T Bollard Pull Tug	Main switchboard, PDB, 24 V DC battery charger and distribution boards
4 × 50 T Bollard Pull Tugs	Wheelhouse and ECR consoles, power distribution boards
Submarine Project	Submersible pump starter panels
Metro Infrastructure Project	Power and lighting distribution boards
Diving Support Craft	Wheelhouse and ECR consoles

DESIGN & SUPPLY OF ELECTRICAL EQUIPMENT

Completed Projects – Reference List

16	14	5
Supply references	Vessels supplied	Shipyards served

YEAR	PROJECT	SHIPYARD	YARD NO.	EQUIPMENT SUPPLIED
2025	**Twin Hull Floating Restaurant**	Cleghorn Mfg. Co. Pvt. Ltd.	–	Main switchboard, DBs, starters, TRU, NLP
2025	**15 m × 7 m Crane Vessel**	Cleghorn Mfg. Co. Pvt. Ltd.	–	Main switchboard, DBs, starters, TRU, NLP
2025	**80 m Landing Craft**	Vijai Marine Shipyard	Y182	Main switchboard, DBs, starters, TRU, NLP
2025	**80 m Landing Craft**	Vijai Marine Shipyard	Y183	Main switchboard, DBs, starters, TRU, NLP
2025	**80 m Landing Craft**	Vijai Marine Shipyard	Y182 / Y183	Frequency drive for windlass control panel
2025	**80 m Landing Craft**	Vijai Marine Shipyard	Y182 / Y183	Air conditioning & ventilation starter panel
2025	**43 m Supply Vessel**	Mandovi Drydocks	Y202	Air conditioning & ventilation starter panel
2026	**250 KL Oil Tanker**	Vijai Marine Shipyard	Y192	Main switchboard, DBs, starters, TRU, NLP
2026	**250 KL Oil Tanker**	Vijai Marine Shipyard	Y193	Main switchboard, DBs, starters, TRU, NLP
2026	**250 KL Oil Tanker**	Vijai Marine Shipyard	Y194	Main switchboard, DBs, starters, TRU, NLP
2026	**250 KL Oil Tanker**	Vijai Marine Shipyard	Y195	Main switchboard, DBs, starters, TRU, NLP
2026	**250 KL Oil Tanker**	Vijai Marine Shipyard	Y196	Main switchboard, DBs, starters, TRU, NLP
2026	**1800 KL Oil Tanker**	Vijai Marine Shipyard	Y190	Main switchboard, DBs, starters, TRU, NLP
2026	**1800 KL Oil Tanker**	Vijai Marine Shipyard	Y191	Main switchboard, DBs, starters, TRU, NLP
2026	**6300 T Bulk Carrier**	Udupi Cochin Shipyard	Y175	Ventilation starter panels
2026	**60 m Work Boat**	Chowgule Shipyard	C342	Ventilation starter panels

DB – Distribution Board · TRU – Transformer Rectifier Unit · NLP – Navigation Light Panel

BUILT IN-HOUSE

Completed Products

A selection of switchboards and panels designed, assembled and tested by Finbrid.



Main switchboard with generator and distribution sections



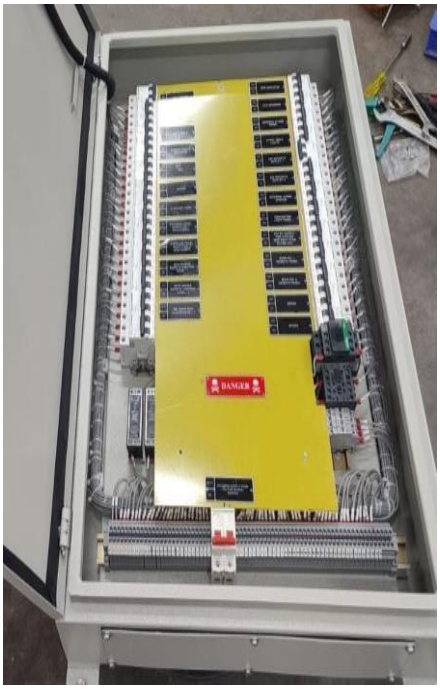
MCCB feeder panel



Motor starter panel



Distribution and control panel



MCB distribution board



Control and indication panel, installed on site

HOW WE WORK

Engineering Workflow

A structured, traceable process that takes each project from requirement review to as-built handover.

01 **Requirement Review**
Review of PO, specifications, drawings, class and authority requirements and project interfaces.

02 **Engineering**
Calculations, SLDs, schematics, schedules and equipment specifications.

03 **Procurement Support**
Technical specifications, MTO / BOQ and vendor comparison inputs.

04 **Manufacturing, Inspection & Testing**
Panel assembly, inspection, FAT / SAT support, electrical testing and functional checks.

05 **Installation & Commissioning**
Installation checks, energisation, functional testing and troubleshooting on site.

06 **As-Built Handover**
Drawings, schedules and technical records updated to final site conditions.

Why Finbrid

Single point of responsibility
Design, panel manufacture, testing and commissioning under one team.

Submission-ready documentation
Revision control and consistent numbering for class, owner and authority review.

Shipyard and site experience
Practical designs that reduce installation errors and simplify handover.

MSME / Udyam registered
Registered micro enterprise, UDYAM-MH-33-0759444.

FOR TENDER & VENDOR REGISTRATION

Statutory & Registration Details

Name of Enterprise	Finbrid Technology LLP
Constitution	Limited Liability Partnership (LLP)
GSTIN	27AAJFF8236E1ZC
Udyam Registration No.	UDYAM-MH-33-0759444
Enterprise Type	Micro · Classification year 2026–27 · Dated 14/04/2026
Major Activity	Services
Social Category	General
Established	2024



UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER	UDYAM-MH-33-0759444
NAME OF ENTERPRISE	FINBRID TECHNOLOGY LLP

TYPE OF ENTERPRISE *

SNo.	Classification Year	Enterprise Type	Classification Date
1	2026-27	Micro	14/04/2026

MAJOR ACTIVITY	SERVICES
SOCIAL CATEGORY OF ENTREPRENEUR	GENERAL

NAME OF UNIT(S)

S.No.	Name of Unit(s)
1	FINBRID TECHNOLOGY LLP

Extract of the Udyam Registration Certificate. Original certificates are attached to tender and statutory submissions where required.

LET'S WORK TOGETHER

Talk to us about your next project

Technical discussions, enquiries, quotations and tender support.

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This brochure is a company capability profile. Product makes, statutory and class approvals, and project credentials are confirmed separately for each project.