



KAVIN - PROFILE

ABOUT KAVIN

Kavin Engineering And Services Private Limited, is one of the leading Engineering & Services company, providing superior, customised concept to commissioning services for Oil & Gas production and processing facilities, both off-shore and on-shore. Our complete support service includes Process Engineering, Mechanical Engineering, Electrical & Instrumentation Engineering, Piping Engineering and Structural Engineering. We are one of the leaders in process technology for FPSO applications, and also possess rich experience in Offshore fixed platform facilities and onshore projects.

Founded in 2002, Kavin has been in this field since then.

Head quartered at Coimbatore (India), Kavin has state of the art Factory at Trichy (India) and offices in Kuala Lumpur (Malaysia), RAK (UAE) and Singapore .



Coming from a rich heritage in building an institution from its very humble beginning to maturity, each member of senior management of Kavin brings decades of professional experience and knowledge of project management in the engineering and contracting business. The concept of blending of professional excellence with entrepreneurial stakes has had a very powerful impact in ensuring business success.

We are an ISO 9001:2008 certified company, and our Quality Assurance Management System has been certified by Det Norske Veritas (DNV).

Kavin is also certified by Dun & Bradstreet.

Our Vision

Emerge as a global Leader in energy through Innovative technology and Techniques with commitment to deliver in Time, Quality, Safety and Cost Effective Solutions to the satisfaction of our customers, by Organisational Excellence.

Our Mission

Be innovative; enjoy leadership and freedom; be committed to customer satisfaction and success. Build, develop, motivate and direct all resources towards this.

Our Commitment to Excellence

Kavin is committed to meeting and exceeding our client's expectations through the application of proven quality principles at all levels of service we provide and ensuring customer/client care is given the highest possible priority.

Innovation has always been part of our business. Our resources will give us the capabilities for long term and innovative technology development to meet the industry's current and future challenges.

The Kavin brand values guide and reflect our behaviour at work and unify us as one global team. Our values are a testament to the culture we live and work by!

We

Benchmark - to learn from superior role models

Foster - innovation with emphasis on value addition

Thrive - upon constant Knowledge updating, as a learning organisation

Nurture - the essence of Customer Relationship and bonding

with

Integrity and Trust as fundamental to functioning

Passion in pursuit of excellence

Quality as a way of life

Collaboration in synergy through cross-functional Team effort

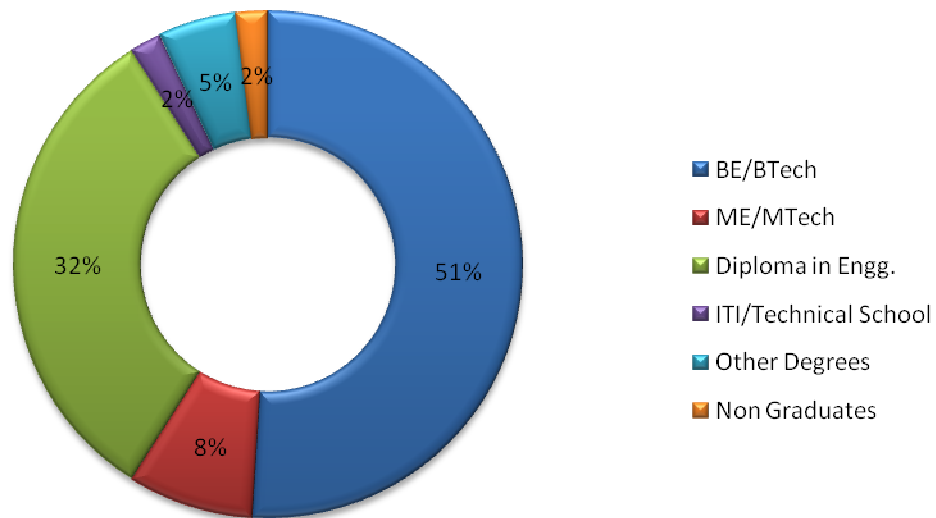
Sense of ownership in what we do

Our Human Asset

Kavin is a Technocrat driven company, with over 90% of its employees having technical/engineering (ME/MTech/BE/BTech/Dipl in Eng) qualification.

Kavin's Senior Management comprises of competent professionals having 25+ years of rich National & International experience in the Energy sector. They possess professional qualifications from Premier educational Institutes like IIT, IISc, MIT and IIM.

Kavin - Human Resource - Education Profile



Our 'global experience, local expertise' approach to talent capital has ensured multi-faceted talent pool that goes wide and deep. This gives us the advantage of leveraging local talent and creating a truly global expert workforce. Our continuing growth in our operations in all key international energy markets and presence in all emerging markets is further strengthening our global integration.

An intangible but powerful force has been the motivation of our employees – to strive for excellence in the work they do.

Markets we Operate

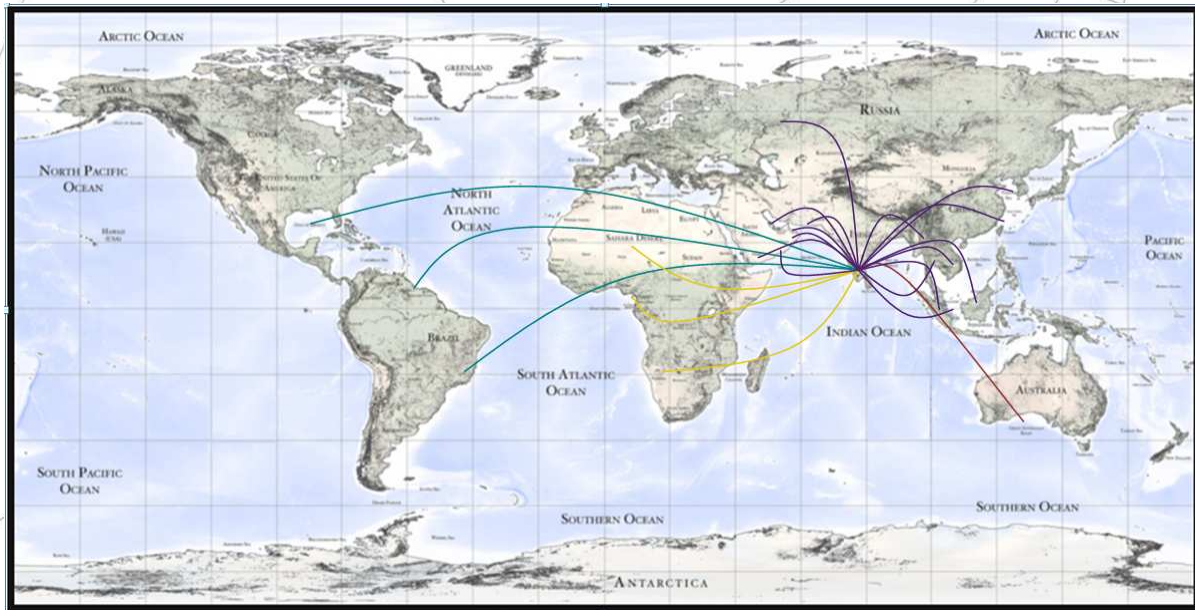
Kavin basically operates predominantly in the Oil & Gas Industry. We have achieved consistent growth, since our inception.

While we have done well in both onshore and offshore projects (more than 100 projects in these areas), we have established ourselves as one of the leading design and engineering solution provider for FPSO Topside. We were associated with over 40+ FPSOs across the Globe, including complete Topside for 6 FPSOs. Some of the FPSOs we were associated with are – Brotojoyo, Ningaloo Vision, Song Doc Pride, Generic Gas FPSO, Truong Son JOC (TSJOC), Petrobras Capixaba, Petrobras Cidade de Niteroi MV 18

We also possess rich experience in Offshore Fixed Platform – we have done many Projects including the Engineering Design for 5 Well Head Platform (B193 Project)for ONGC (Heera- Panna-Bassein, Offshore, Mumbai, India) and Onshore Process Facilities (Block 51 BAK, Al Hajt Field Block 51, Republic of Yemen).

Kavin's has exported its Engineering Services' to USA, UK, Singapore, Europe and Rest of World (pl see our reference list).

Our Global Presence is reflected in our Engineering Solutions beneficiaries



Our Services:

Engineering Services:

Feasibility Studies; Front End Engineering Design (FEED); Basic Engineering; Detailed Engineering; FPSO Topsides Design; FPSO Motion Analysis; Pre-commissioning and Commissioning; Operation Support; Operators' Training (Field, Class Room and DCS); Operation and Maintenance Manual; Process Optimization/Design Review; Trouble Shooting /Debottlenecking Solutions, Reliability & Availability Study

Process Systems and Packages

Separation (API 16 to API 54); Gas Compression; Gas Dehydration and TEG Regeneration; MEG Injection and Regeneration; Produced Water Treatment; Gas Sweetening (Amine Unit); Sulphur Recovery Units; CO₂ Removal; Dew Point Control; N₂ Generation; Water Injection; Chemical Injection; Corrosion Study; E-house; Diluents Recovery System

Deliverables:

Process Engineering:

PFDs; P & Ids; Heat & Mass Balance (HMBT); Utility Consumption Schedule; Process Description; Line List; Line Hydraulics & Sizing; Hydraulic Calculation; PSV Calculation; Process GA Drawing; Operation & Maintenance Manual; Pre-commissioning & Commissioning Procedures

Mechanical Engineering:

Equipment Data Sheets; Pipe Stress Analysis; Mechanical Design of Pressure Vessels; Piping Speciality List; P & Ids Review; Mechanical GA Drawing

Electrical & Instrumentation Engineering:

Electrical –

Single Line Diagram; Electrical Load List; Energy Requirement Calculations; Data Sheets for Electrical Drives; Lighting Junction Box Schedule; Lighting Layout; Lighting Wiring Diagram; Lighting Cable Schedule; Electrical Bulk MTO; Hazardous Area Classification

Instrumentation –

Instrument Index; Instrument Data Sheets; Instrument Hook-up Drawings; Instrument Set-point Schedule; Instrument Hard Wired I/O Schedule; Junction Box Schedule; Junction Box Wiring Diagram; DCS/IPS Termination Diagram; Control Valve Sizing; F&G Layouts; Instrument Bulk MTO; Process Control Philosophy

Piping Engineering:

Equipment Layout ; 3D Modelling; Piping Isometrics; Piping Plan and Elevation drawings; Pipe Support Details; Piping MTO

Structural Engineering:

Structural Analysis; Weight Control Report; Structural Modelling; Structural Drawings for On-shore & Off-shore; Skid Lifting Arrangements; Transportation Analysis

Our Factory:

Kavin has state of the art Factory/Works located at B1, GK Industrial Park, Siruganur Village, Manchanallur Taluk, Trichy 621 105. Spread over 10 acres of land, with a built in space of 50,000 sq ft, the Factory has all modern facilities for fabrication work.



The support facilities in the industrial park include roads to handle heavy and oversized cargo, centralized/localized oxygen supply, calibration & testing centre, central warehousing, central scrap & salvage yard, common heat treatment plant, heavy machine shop, common parking for goods vehicles, health centre, hostel and social support facilities.

Our Support

Whether it is delivering greater returns on your assets through increased productivity, maximizing performance, or providing you with the information you need to make better operational decisions, Kavin is ideally positioned to meet your future challenges with valuable services and support from our highly qualified and experienced engineering staff and system specialists.

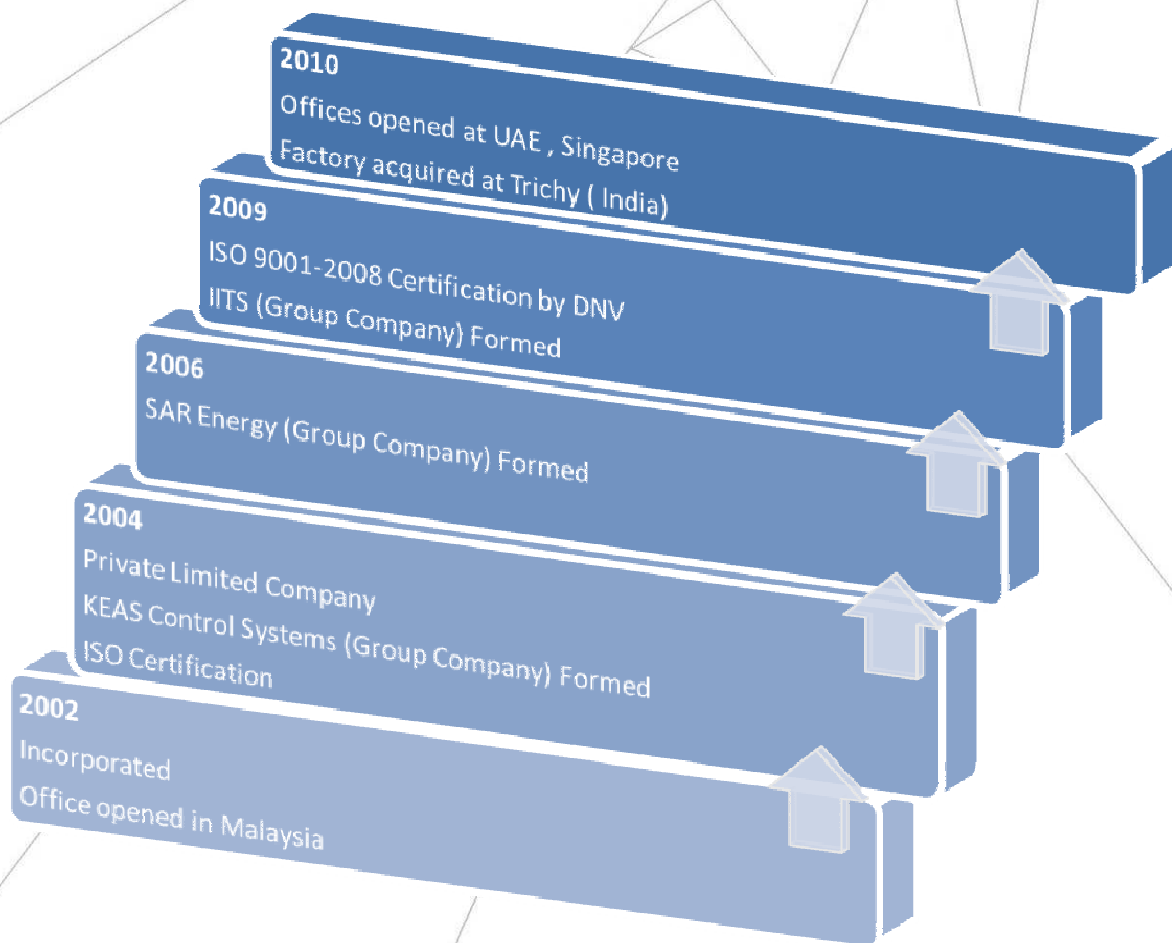
One of Kavin's key strengths is our attention to detail and accuracy in both the way our software operates and the performance of our engineers. This means that our clients can confidently erect and commission the projects, that honours the design solutions provided by us. We will protect our customer investments and ensure that the Project yields the expected capacity and performance during its lifetime. From installation through to commissioning, we always believe in helping you get maximum value from the technology solutions we deliver.

We get the job done, when it's needed, where it's needed

KAVIN HISTORY

Kavin came into being on 2nd Feb 2002, with a 2 member office in Coimbatore, India. Kavin story began with a simple vision – to etch a name in the Engineering and Design Solutions for the Oil & Gas sector. This Vision, was driven by Kavin’s commitment to customer, quality, and excellence, and while doing so, maintain the highest standards of ethics and societal responsibilities. The vision was the driving force behind everything that was done at Kavin. There were many unknowns but we kept faith, and today Kavin is a name to reckon with in the engineering design solutions vertical in the Oil & Gas Sector.

8 years down the line, Kavin and its Group companies are 700+ strong.



Kavin had experienced a continuous record of accomplishment and growth. Our success can be attributed to consistently developing and delivering innovative solutions, while meeting the specific and ever-broadening requirements of business.

In the years to come, we stand committed to innovation, to change, to achieve breakthroughs... to moving forward, while retaining the values that have been like a beacon in this journey so far.

Gallery

Some of Our Major Project Executed during the Period of 2002 - 2010



Process Design Verification, Pipe Rack Design, Interface Piping, Pipe Stress Analysis and Structural Design of Block 51 BAK Processing Facility.



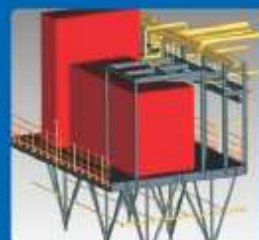
Design and Engineering of Complete Process Topside Facilities for Brotojoyo FPSO



Design and Delivery of Process Topside Facilities of Apache's Ningaloo Vision FPSO



Gas Dehydration and TEG Regeneration Package for Capixaba FPSO



Design and Engineering of Process Topside Facilities for SONG DOC PRIDE MV19 FPSO

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