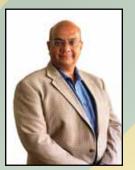


QS & COSTING | QUALITY | SAFETY | REBAR & BBS | STRUCTURAL DESIGN | CONTRACTS | PMC | TRAINING | EXPERT ADVISORY | TALENT ACQUISITION



Late. Jagdish Raje (Founding Director, GEM Engserv Pvt Ltd.)

Jagdish had a vision of making GEM Engserv as "The Engineering Consultant of Choice" to our clients and to provide meaningful, professional and dignified employment to many.

Mr. Jagdish Raje was an alumnus of IIT Madras and had over 3 decades of experience in Construction & Contracts Management, Cost Planning & Control as well as Structural Design. Under Jagdish's guidance, GEM reached a size of 300+ employees spread over various project sites across India. With the perseverance of entire GEM team, we shall continue to maintain his legacy by following his vision and serving clients with commitment.

### OUR MANAGEMENT: HANDS ON APPROACH



Shashank Vaidya, Director

Shashank is an alumnus of IIT Madras, with President's Gold Medal in M.Tech. (Structure). He has over 3 decades of experience in Bridge Engineering, Quality Management, Training, Concrete Technology and Managing large construction contracts and many arbitration cases as an arbitrator and technical expert. He is a certified Lead Auditor of ISO 9001 and was conferred with Lifetime Achievement Award 2019 by the Indian Concrete Institute.

Dr. Mohana Raje LLM, Ph.D, Director

Mohana is a Ph.D. in "Alternative Dispute Resolution with respect to Civil Engineering Contracts in India". She was a practicing Advocate with expertise in contracts law and a faculty of Business Laws.





Sanjiv Anand, Chief Operating Officer

Sanjiv is an alumnus of VNIT Nagpur, with B.Tech. in Civil Engineering and a certified Project Management Professional from SP Jain Institute of Management & Research. He has over 3 decades of experience in Construction Management, Business Development and Contracts Administration.

## SERVICE OFFERINGS



**QUALITY & OHS** 





Shailesh Mirkar

**EXPERT ADVISORY** 



Ranjit Patil

PROJECT MANAGEMENT

**DESIGN ENGINEERING** & REBAR DETAILING

Hemant Sonawane



**TALENT** 

**ACQUISITION** 





**SAFETY** MANAGEMENT

Haresh Bamnalikar



Pranita Kale

QS & COST CONSULTANCY

**DIGITAL SOLUTIONS** 



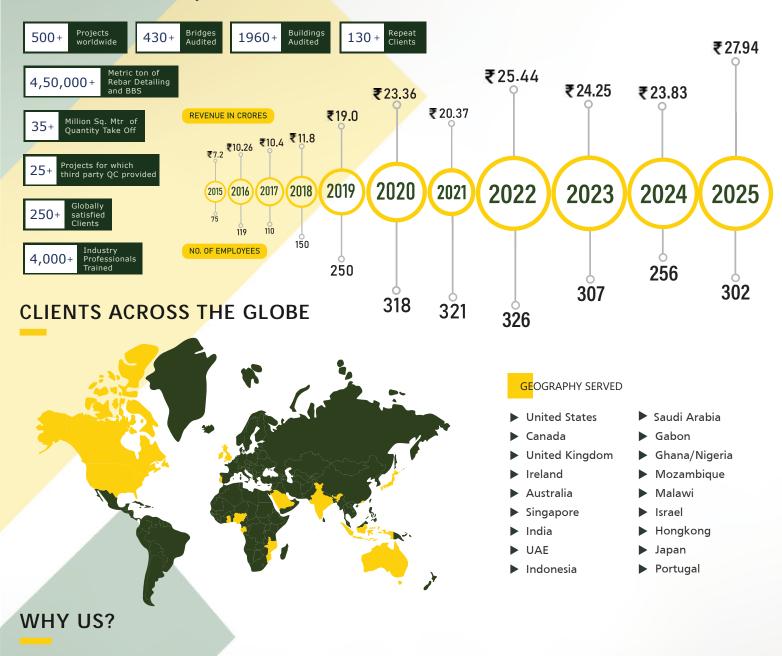
**CONTRACTS MANAGEMENT** 

**Dhawal Vaidya** Dr. Mohana Raje

QS & COSTING | QUALITY | SAFETY | REBAR & BBS | STRUCTURAL DESIGN | CONTRACTS | PMC | TRAINING | EXPERT ADVISORY | TALENT ACQUISITION

#### RAPID GROWTH STORY

Operational since 2009, GEM Engserv Pvt Ltd has grown rapidly as an Engineering & Management Service Provider to the construction industry.



Engineers of GEM Engserv strive to complete assignments on scheduled time, within budgeted cost, as per specified quality, with minimum wastage and in safe working conditions.

- ▲ 360° engineering competence (Pre-construction as well as Construction Management)
- ▲ In-House Expertise in Cost Management, Planning & Scheduling, Contracts Management, Quality & Safety Management, Structural Design
- Complete ownership & accountability
- A Quick identification and recruitment of resources through our in-house recruitment team
- Modern technology driven systems such as app based quality control & reporting
- ▲ Expert advice & technical inputs from senior professionals
- ▲ Optimal cost structure
- ▲ Passionate about construction quality with a culture of "No Compromise"

## **REAL ESTATE**

Godrej Two



Agarwal One



**Godrej Trees** 



Vikas 11



One Avenue



**Bhendi Bazaar Redevelopment** 



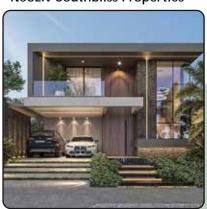
**Edmont** 



Adani Linkbay

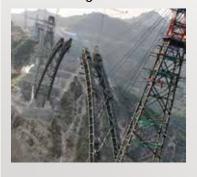


**NeoLiv Southbliss Properties** 



**INFRASTRUCTURE** 

Chenab Bridge



Mumbai Metro Line 3



Kaiga Power Plant



High Speed Rail (Bullet Train Project)



## 🔸 🜟 CLIENT FEEDBACK & TESTIMONIALS 🌟 🛧 🛧



The structural Audit of TCHFC & TCFSL had a smooth process and the team was very supportive. Hope to be associated for a long period of time.



ሗዄሗ ቱ<sub>ተ</sub>八ታል - Tata Capital Financial Services Ltd.

Your work is highly accurate and right first time. The team delivered the assignment on time. Your team supported us well when we had gueries about your work.



- Nuclear Power Corporation of India Ltd.

Thank you for your support to our PJ. Your work is highly accurate and right first time. It was a pleasure interacting with your team.



- Daewoo E&C, Singapore

Overall good to work with GEM. Your fee structure is highly competitive.



- Tata Projects Ltd.

IRCON is fully satisfied with services, deliveries, manpower deployed on the project for planning, scheduling & monitoring of our project.



- IRCON International Ltd.

From the start of the project, the deployed resources are very good at work. Support from RO/HO is excellent.



- Godrej Properties Ltd.

We appreciate GEM Engserv's fast response & quick turnaround time for completing RC detailing of project on time.



- Whitbywood Ltd., United Kindom

GEM Engserv has successfully completed detailed design of foundation for doubling of track from Roha to veer over konkan railway with satisfactory quality and time.



- Konkan Railway Corporation Ltd.

The work completed is always to a high standard. All queries are addressed  $ilde{d}$ at the time and the service is impeccable.



- Plann3D Solutions Ltd, United Kingdom

This was a difficult task with a tight deadline and numerous additional tender addendums. The GEM team completed the task in a timely manner.



- Vector International, Hong Kong

## CONSISTENTLY DELIGHTING **OUR CUSTOMERS!**



### **GOOG!** PROPERTIES

Heartiest Congratulations to the entire team for winning this Global Recognition - A 5 star rating and the actual Sword of Honour from the British Safety Council this year!

- Pirojsha Adi Godrej, Chairman, Godrej Properties Limited ( GEM Engserv was part of the team at Godrej Two site )

GEM Engserv wins platinum category award from Apex India Quality Management - 2022 for Godrej Rejuve, Godrej Nurture

GEM Engserv wins an award for completing Plinth Level with Zero Man-Days Loss for Godrej 2 Project

GEM Engserv wins an award for Best Safety Implementation on site for Godrej 2 Project

#### **REGISTERED OFFICE:**



GEM Engserv Private Ltd, A-103, The Great Eastern Chambers, Plot No. 28, Sector - 11, CBD Belapur, Navi Mumbai 400614



GEM Engserv Pvt Ltd, Rama Towers, 5th Floor, 52, Bellary Rd, next to Baptist Hospital, Vinayakanagar, Hebbal, Bengaluru, Karnataka 560024

FOR ENQUIRY:



www.gemengserv.com

Shashikant Zarekar (Sr. Brand Manager)



Dhawal Vaidya (VP Commercial)

+91 9545555424 Ahawal.vaidya@gemengserv.com

#### **OUR CLIENTS**

#### INDIA (REAL ESTATE)





























































### INDIA (INFRASTRUCTURE & EPC)























































#### INTERNATIONAL









































































## CONSULTANTS









whitby wood













## **EMPANELMENT WITH VARIOUS ORGANISATIONS**

Maharashtra State Police Housing & Welfare Corp Ltd.

Karnataka State Police Housing & Infra Developement Corp Ltd.

**Central Railway** 

NABARD

**Export Import Bank of India** 

**Public Works Department** Aurangabad

GIC of INDIA

Global Procurement Consultants Ltd.

Maharashtra Natural Gas Ltd



#### PROJECT MANAGEMENT CONSULTANCY





#### **SERVICES**

- Construction supervision & coordination
- Bill certification & cost monitoring
- Schedule preparation & control
- Quality & safety management
- Documentation control
- MIS & reporting
- Bid Management



#### **IMPORTANCE**

- To complete project with aggressive timelines
- To execute in budgeted cost
- To deal with the complexity of designs
- To adhere to the defined scope of work
- To complete the project in safe working condition
- To have minimum rework & wastage
- To deal with ambiguity in roles & responsibility of the project stakeholders



#### **METHODOLOGY**

- Quick Ramp-up as required
- In-House resources during Pre-construction, During Construction
   Post-Construction
- Dedicated manpower with ownership
- Direct supervision and guidance by senior management
- Expert teams in Head office to support PMC Functions

#### **STANDARDS & SOFTWARES**

- PMBOK
- MS Sharepoint
- ProgeCAD
- Primavera P6 & MS Project
- ERP





















**UPLIFTMENT TRUST** 









#### PROJECT MANAGEMENT CONSULTANCY









#### QUALITY AND OHS MANAGEMENT





#### **SERVICES**

- One time or periodic Quality Audits/OHS/Structural Audits
- Advisory to improve construction quality
- Third Party Quality Control
- Organisation-wide improvement through implementing QMS
- Providing an app to implement Quality Management at Projects
- Any combination of above



#### **IMPORTANCE**

- Ensuring quality of construction is a legal & moral responsibility
- Safe workplaces enhance productivity
- Your brand is as good as the quality of your product & service
- Quality costs, but the lack of quality costs even more!
- Quality app facilitates seamless integration of quality control with project execution
- Audits help you understand the quality of your quality control



#### **METHODOLOGY**

- We deploy QC engineers with experience in civil/finishing/MEPF activities as per the requirements of the project
- Doer-checker concept helps to promote 'Do it right the first time' concept.
- Independent QC engineers ensure that quality issues are escalated to the right person at the right time.
- An app based system is deployed to provide 'paperless' QC system
- All quality checks are integrated with construction workflow to avoid delays and disputes
- Use of app promotes evidence and facts based decision making
- All quality reports are generated from the system

#### **STANDARDS & SOFTWARES**

QC App

ISO 9001

IS specifications

#### CLIENTS



















TATA REALTY AND INFRASTRUCTURE LIMITED



















#### QUALITY AND OHS MANAGEMENT



## IF IT'S GEM,

### QUALITY IS ALWAYS ASSURED!



#### **Quality Policy**

We are committed to consistently enhancing customer satisfaction by delivering value added, customer focused, and best in class

To achieve this, we shall continually improve our Quality Management System & comply with all the applicable statutory & regulatory requirements.

The Quality Objectives shall be based on this policy and shall be periodically reviewed & revised.



MSRM

Updated on dt: 01/04/2025



#### **Safety Policy**

We are committed to providing safe working conditions and healthy environment to all employee by eliminating hazards & reducing OH&S risks.

We shall ensure compliance with all legal & other requirements.

We shall consult and involve employees in the management of OH&S.

We shall continually improve the OH&S management by setting and monitoring OH&S objectives aligned with this policy.





GEM Engserv wins platinum category award from Apex India Quality Management - 2022 for Godrej Rejuve, Godrej Nurture



**GEM Engserv wins an award for** completing Plinth Level during FY 17-18 with Zero Man-Days **Loss for Godrej 2 Project** 



**GEM Engserv wins an award for Best Safety Implementation on** site for Godrej 2 Project



## 🖈 ★ 🕇 CLIENT FEEDBACK & TESTIMONIALS 🌟 🛧 🛧



It gives us immense pleasure that VBHC's Vaibhava project Anekal, Bengaluru won "The Most Outstanding Concrete Structure of Karnataka" by the Indian Concrete Institute. I appreciate for support and services offered by GEM Engserv for robust QMS and deploying state of the art technology in concrete construction.

Third Party Quality Control (QC) services for our residential projects has helped these projects reach quality standards as per industry norms. We wish you success in future assignments!

- Chief Operating Officer, VBHC Pvt Ltd.

- Sr. Vice President, Purvankara Pvt Ltd.



#### REBAR DETAILING AND BBS





#### **SERVICES**

- 2D Rebar Shop Drawings
- Bar Bending Schedules
- **Reinforcement Quantity** Take Off
- Structural GA Drawings
- AS Built Drawings
- 2D to 3D Visualization



#### **IMPORTANCE**

- Additional space required for steelyard if cutting & bending
- Saving in rebar placing efforts & time using BBS & Shop drawings
- Extra cost is incurred on wastage, cutting & bending inventory cost, technical monitoring, theft loss if stored on the yard
- Compliance to Safety Standards, Detailing codes, Shape code library
- Optimisation can help reductions in wastage/scrap



#### **METHODOLOGY**

- Reducing scrap with cutting and bending at site
- Use of similar dia/lengths of rebar through rationalizing area of reinforcement
- Use of simple shapes for ease of installation and understanding by site engineers
- Use of standard pre-assembled rebar cages for typical members like walls, columns, beams etc.
- Use of preassembled cages and special shape codes for projecting bars with importance to Health & Safety

#### **STANDARDS & SOFTWARES**

- Softwares: CADS RC & LOHA
- INDIAN (IS2502, IS456, IS13920, SP34), American (ACI135, AC1318), British (BS8666, BS8110), European (EN1992-1-1), Australian (AS 3600)







**PROPERTIES** 



DAEWOO-TPL JV





























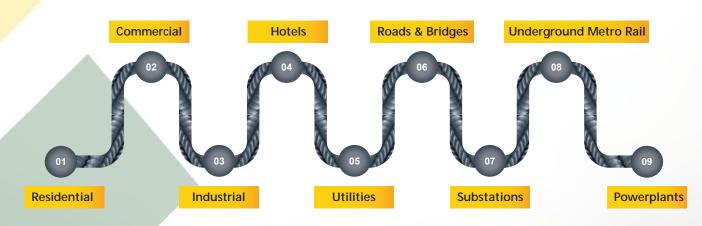








## **SECTORS SERVED**



## **INTERNATIONAL PROJECTS**





#### QS & COST CONSULTANCY





#### **SERVICES**

- Quantity Surveying & **BOQ Preparation**
- Rate analysis
- Estimation & budgeting
- Cost planning & cost monitoring
- Assessment of cost to complete



#### **IMPORTANCE**

- Accurate cost planning & continuous cost control protects the owner from financial shocks
- BOQ is an essential bridge between the design engineer & cost planner
- An accurate cost plan is of great help during finalization of contracts
- Cost planning helps to control cost at every stage of project development



#### STAGES OF COST PLAN

- Broad cost plan at concept level
- Elemental cost plan at schematic level
- Detailed BOQ work out and cost plan at Design & Development stage
- Refining BOQ & cost plan at tender level
- Final construction cost plan on basis of GFC & awarded contracts
- Cost monitoring through construction phase including cost-to-complete assessment

#### STANDARDS & SOFTWARES

MODE OF MEASUREMENT: IS 1200, SMM7, CESMM4, POMI, ARM4

#### **CLIENTS**



































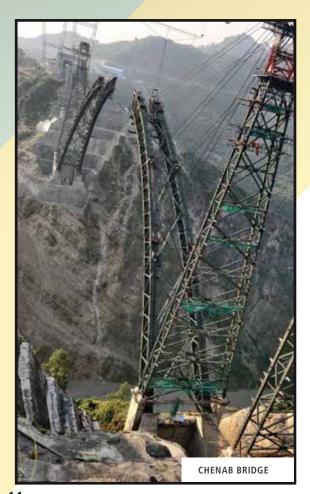




#### **QS & COST CONSULTANCY**



## WHATEVER YOU DRAW, WE CAN TAKE OFF



GEM Engserv has successfully assessed structural steel quantities for Chenab Bridge to our satisfaction within stipulated time & quality, This bridge has a complex geometry like space frame with a curvature in two planes. The approx. quantities of structural steel involved were 28000 MT.

Vice President - Afcons Infrastructure Pvt Ltd.



"GEM Engserv has satisfactorily completed Quantity Surveying & Cost Estimation for Saifee Burhani Upliftment Project,

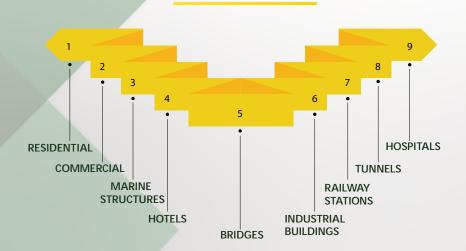
General Manager (Contracts) - SBUT Pvt Ltd.



"GEM Engserv has satisfactorily completed preparation of cost plan, contracting strategy, Bid Management, Cost Monitoring by on-site deployment as per stipulated time & quality.

Sr. Vice President - T Bhimjiyani Realty Pvt Ltd.

#### SERVICE SECTORS





"GEM Engserv has satisfactorily provided and completed Quantity take off and preparation of Bill of Quantities for Oceanwide Plaza's structure, finishes, MEP & Rebar take-off within stipulated time & quality.,,

**Director, Swinerton Builders USA** 



#### TRAINING & DEVELOPMENT





#### **SERVICES**

- Rigorous full-day training program by senior industry experts
- Personalized training programmes to master specific topics
- Case study based teaching method to give hands-on experience
- Quiz and interactive sessions in an open forum
- Corporate training program at clients facilities



#### **IMPORTANCE**

- To expand the knowledge base of engineers
- To improve employee performance by equipping them with new skills
- To understand quality standards and industry benchmarks
- To stay updated with industry best practises & to have competitive edge
- Networking opportunity with fellow industry colleagues





Dr. Mohana Raje LLM, Ph.D Director



Mr. Shashank Vaidya Director



Mr. Shailesh Mirkar Vice President



Mr. Ranjit Patil Vice President



Mr. Sanjiv Anand Chief Operating Officer



Mr. Hemant Sonawane General Manager

#### CLIENTS

















PROPERTIES



















#### COURSES DELIVERED SO FAR...

Concrete Mix Design

Quality management in concrete construction

Developing Internal Auditors for Quality/Safety/ISO 9001 based on Audits

Value Engineering in Construction

**Design Engineering for Construction Professionals** 

Art & Science of Decision making for project execution

**Construction Contracts** 

Basic of construction project management

Management of reinforcement works

**Project Operations** 

Work Life Balance

Stress Management

**Communication Skills for Engineers** 





## 🌟 PARTICIPANTS FEEDBACK 🌟 🛧 🛧



It is a must needed program to undergo this type of training. It really helped in practical implementation.

Demonstration skills of the faculty were very impressive & the problems solving approach was very helpful

Nothing to suggest anything as the program was already very good!

The Faculty was knowledgeable and solved all my doubts with personal attention. I look forward to attend again in the next lectures

This program was very informative and conducted to the best, got insights on the latest technology in the industry..



#### CONTRACTS MANAGEMENT





#### **SERVICES**

- Contract document formulation for corporate clients on various modes of construction contracts such as EPC, GMP, BOT, BOOT, lump sum, item rate, Hybrid annuity etc.
- Bid management for diversified client base & recommending contracting strategy as well as assistance in contracts administration.
- Review and/or modification of contract documents in view of the business needs.
- Provide advice on claims / counter claim formulation, pre-arbitration and arbitration proceedings, claim validation, expert deposition for claims.
- Training Programme on various topics of construction contracts management.



#### **IMPORTANCE**

- Poorly drafted contract documents lead to disputes and then claims.
- While drafting contracts lack of understanding about construction, law or both lead to disputes and claims.
- Adapting the contract documents from some other business leads to poor contract management.
- Usage of onerous clauses which are not recommended by law leads to quashing of claims.
- Lack of contractual correspondence in a professional manner leads to poor claim management.
- Lack of contracts administration skill with project team leads to poor contracts management.



#### **METHODOLOGY**

- Suggesting exclusive contract clauses after understanding client's project requirements and business practices.
- Explaining legal aspects to clients.
- Drafting an exclusive contract to fit the client needs and legally best fit business practice.
- Using trade off techniques in drafting to benefit the client.
- Assisting clients to examine the claims within the framework of the contract.
- Training client's contract team on the skills of contract management.

#### SERVICES













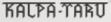
REALTY AND INFRASTRUCTURE LIMITED

THE CRICKET CLUB OF INDIA

















### CONTRACTS MANAGEMENT





Counter claims from technical perspective

Deposition as a technical expert

Technical Expertise During Arbitration

Facing cross examination

Assisting counsel in appreciating technical aspects of the issue

04

Expression of Interest (EOI)

Expression of Interest (EOI)

Pre-Qualification process

Pre-Qualification process

Pre-Qualification process

Pre-Qualification of tender document

Preparation of tender

Floating of tender

Conducting Pre-Bid Meeting

Attending queries

Bid Evaluation

Recommendation report to the client

**AWARD OF CONTRACT** 



#### STRUCTURAL DESIGN ENGINEERING





#### **SERVICES**

- Design of bridges
- Peer review of bridge designs
- Design of buildings
- Peer review of design of buildings
- Design of temporary arrangements
- Structural audit of bridges & buildings
- Value Engineering
- Defect Diagnostics



#### **IMPORTANCE**

- Audits help assess the structural health of assets
- Value Engineering helps in optimization of cost / time
- Structural designs / Peer reviews ensures code compliant and safe structures
- Temporary works ensures speed & safety of construction



#### **METHODOLOGY**

- We have structural design engineers from premier engineering institutions
- Engineers trained in audit of quality of construction & structural behaviour carry out the inspection
- Association with reliable agencies for NDT
- Experts with design, construction & audit experience to guide & mentor the team

#### **STANDARDS & SOFTWARE**

Software: STAAD PRO / ETABS / SAP 2000 / CSI BRIDGE / SAFE

#### CLIENTS























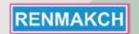










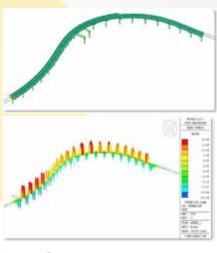




### STRUCTURAL DESIGN ENGINEERING



Substructure design for railway bridges



RAIL Structure Interaction Analysis for railway bridges



Structural Design for precast boxes



Structural Design of Inspection Shed (20m X 50m), Depot Office building and other structures.



Proof checking of structural design for 142 Mtr long Railway Flyovers at ETAWAH AND BHAUPUR







Proof checking of structural design for ROHA-VEER DOUBLING PROJECT: 11 Major Bridges with length ranging from 36 m to 256 m



#### TALENT ACQUISITION





#### **SERVICES**

- Recruitment of site and office based staff
- Employee profile background checks
- Off-role staffing solutions
- Corporate training and open programmes
- Advisory for competency mapping



#### **IMPORTANCE**

- Identifying right fit for key profiles is critical
- External support helps establish right pay for the right job
- Culture fit between employer and employee is essential
- Background checks ensure that there are no surprises



#### **METHODOLOGY**

- Extensive profiles database for all positions
- Quick screening of profiles during identification
- Three levels of interviews before reviewing CVs
- Right first time approach for evaluation on culture fit

#### STANDARDS & SOFTWARE

• Extensive In-house profile database, Naukri Portal

#### **CLIENTS**









































# Trusted Partner for Tailored Solutions

GEM Engserv takes complete ownership for onboarding of clients and follows the robust talent acquisition strategies to meet your deadlines and objectives. We believe in conceptualising and creating plan as per your tailored needs.

With the extensive use of our network across industries and using various talent sourcing channels, Skill Groomers has been a trusted talent solutions partner for many reputed companies across India and globally.

## SECTORS SERVED



**REAL ESTATE** 



**INFRASTRUCTURE** 



INDUSTRIAL



OIL & GAS



POWER



Candidates recruited domestic & international



**Industry Professionals trained** 





Partnered with clients globally

Client satisfaction

## **TEMPING / OFF** ROLE MODEL

The secondment services model of GEM Engserv allows clients to onboard skilled workers for specific projects without incurring the costs and liabilities associated with hiring permanent staff. This module offers flexibility and versatility, as staff can be easily swapped in and out as project requirements change.

This module eliminates the need for clients to take on payroll liabilities, making it an ideal solution for companies looking for cost-effective and low-risk staffing solutions.

## RECRUITMENT MODEL

The recruitment model of GEM Engserv provides a comprehensive solution for companies looking for long-term staffing solutions and offers greater stability for employees.

The main benefit of this module is that it provides clients with the ability to fully integrate new employees into their organization and offer benefits and opportunities for career development.

## WHY GEM ENGSERV?



#### OTHERS

**OUR TEAM** Basic and generic understanding | Complete understanding of Industry, **Functions & Roles** 

## **OTHERS**

Single level screening process

#### **OUR TEAM**

Multi-level screening with final evaluation by industry experts



#### **OTHERS** Fixed standard process

**OUR TEAM** Customised & flexible recruitment process

# High Effort evaluating CVs



#### **OUR TEAM**

Save your efforts and time for finding Best fit candidates



#### SAFETY MANAGEMENT SERVICES





#### **SERVICES**

- Conduct one-time OR period SHE Audit of an ongoing construction project
- Provide Third-party Safety Deployment
- Safety Training and Skills Assessment
- Digital Platform for Safety Management (Paperless)



#### **IMPORTANCE**

- Third-party safety deployment is needed because safety management is no longer just a philanthropic act but is now aligned with business objectives
- The potential consequences of ignoring safety can be huge, counterproductive, and detrimental to the growth of the business
- Audit by an independent agency is more effective in assessing the implementation of safety practices because they provide an unbiased and objective evaluation
- Independent safety professionals are more effective in ensuring safety protocols than in-house resources with the same level of competence



#### **METHODOLOGY**

#### THIRD-PARTY SAFETY MANAGEMENT

- O The Safety Management service proposed by GEM will require the full-time deployment of a safety manager, officer & supervisor
- The scope of the activities performed by them and their deliverables are as per the best practises with respect to roles and responsibilties

#### SAFETY AUDIT

- The audit will be on a sample basis based on the stage of construction. During the audit, auditors will cover various work fronts and all facilities
- o The audit report will include assessment of the status of implementation of OHS measures and recommendations for improvement

### WHO CAN USE

- Real estate developers
- Owners of under construction infrastructure projects
- Contractors

#### **CLIENTS**



























