

Toyto Engineering India Pvt. Ltd.



TOYO
ENGINEERING

***YOUR SUCCESS
OUR PRIDE.***





THE LEGACY

TOYO ENGINEERING INDIA PVT. LTD. derives its legacy from the simple principle of transforming the lives of our clients in their desired way. The ideology focuses on their success, and how we can deliver it by doing what we do the best. The transformation becomes extraordinary once our experience, strength and commitment, along with our goals of sustainability come together to create the formula of success for them. The satisfaction of achieving something par excellence becomes the source of our beaming pride.

The relentless efforts we put, bring success to our clients. Our pride is a result of their success.

Ammonia Urea Complex, Gadepan, Rajasthan
Client: Chambal Fertilisers & Chemicals Limited

OUR CORE BELIEFS

Toyo India's Mission and Vision statements guide us towards sustainable growth. Our Value system helps us determine the right direction, bring constructive change, and facilitates improvement. The bonded framework of Mission, Vision and Values lays out a path for our future.



*Engineering for
Sustainable Growth of
the Global Community*

GROUP MISSION



*Global Leading
Engineering Partner*

GROUP VISION



*Integrity, Creativity,
Diversity, Learning,
Team*

GROUP VALUES



KNOW TOYO BETTER

Our Parent company, Toyo Engineering Corporation, Japan (Toyo Japan) embarked upon its journey in 1961, and what followed was a streak of **achievements across its worldwide projects and presence across different continents through Toyo Group Companies (TOYO)**. Toyo Japan started working in the Fertiliser Sector, that led to multiple Ammonia & Urea projects.

The expertise of Toyo Japan lies in Sectors like Energy, Oil Refining, Petrochemicals, Fertilisers, Oil & Gas Development, Infrastructure, Environment, Pharmaceutical & Fine Chemicals.

It was 1976 when TOYO Japan expanded its wings in India with the incorporation of Toyo Engineering India Pvt. Ltd. (Toyo India). Opportunities started opening up that demanded to tap the growth potential in the growing economic conditions in India. While India has grown massively, Toyo India is proud to contribute to its growth and has successfully created its footprint in the Indian market.

We are fortunate to add to the ambitions of the country by playing a substantial role in its overall development.

Today, Toyo India stands proudly as a professionally managed corporate entity undertaking Engineering, Procurement & Construction (EPC), Project management Consultancy (PMC) or Engineering, Procurement and Construction Management (EPCM) assignments in all major sectors i.e. Oil & Gas, Refineries, Petrochemicals, Cryogenics, Fertilisers, Specialty Chemicals and others. Toyo India ranks high in delivering comprehensive solutions that are both practical and sustainable - a legacy and quality inherited from Japanese roots. Since its inception, the Company has successfully written triumph stories in the challenging Indian business environment, made possible by around 2000 dedicated professionals from various fields, working at Toyo India.

We commit ourselves to the positive contribution to society whilst fulfilling our vision of becoming **Global Leading Engineering Partner**.

The Company ranks high in delivering comprehensive solutions that are both practical and sustainable.

SPECIALISATIONS

With over 40 years of experience in India and 20+ countries, success has become a way of life at Toyo India. The following sectors reflect the growth of the country's economy and we are proud to have built some of the key projects amongst these sectors.



CRYOGENICS



PETROCHEMICALS



OIL & GAS, REFINERIES



FERTILISERS



**SPECIALTY CHEMICALS
& OTHERS**

EXCELLENCE IS EVERYTHING

*The will to win, the desire to succeed,
the urge to unlock potential; these are
the keys to excellence.*

- Confucius

Our mantra for project success

WHY TOYO INDIA?

Unparalleled standards, constantly surpassing the expectations, as well as set quality. This is what Toyo India is known for, and does better than the rest.

Toyo India is proud to support our clients for the entire life cycle of the project. From creating the concept, to project execution and implementation, to finally the commissioning of the project. Our ability to provide end-to-end solutions is our key differentiator.



FLEXIBLE APPROACH

For all the projects that we take on-board, we readily respond to the changing circumstances and expectations depending on the nature of work. Each project phase of a project life-cycle is treated in a flexible manner, under the variety of contract schemes.

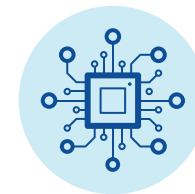
Projects that back up these facts would be our successfully executed **EPC-LSTK, EPCM and PMC contracts**. Our adaptability skills are also reflected during contracts like **FEED, Engineering or Cost Reimbursement**.



HUMAN RESOURCE

Human resource is our most valuable asset. We strive to achieve their overall development by enhancing their skills and knowledge through various training sessions. With our large pool of qualified and experienced manpower, we strive to stand apart from our peers.

Today, our workforce consists of numerous **dedicated employees inclusive of highly experienced engineers and talented designers from all requisite disciplines**.



STRONG ENGINEERING & PROJECT MANAGEMENT TOOLS

Toyo India's execution is backed up with strong engineering technology tools. Mega-sized projects demand an advanced and cutting edge technology, and Toyo India is equipped with it. Toyo India **utilises its 3-Dimensional design & walkthroughs, expertise in Heat Transfer & Applied Technologies and available state-of-the-art engineering tools for providing optimum solutions**.



LOCAL EXPERTISE, GLOBAL KNOWLEDGE

India is a diverse nation with different functional needs in terms of business. **Toyo India has been around since 1976, it has become accustomed to the required skills, knowledge, and understanding. As Toyo India is supporting Toyo Japan for various projects around the globe, it is abreast to all global standards.** We also support clients to customise engineering and equipment to suit the Indian requirement.



DYNAMIC WORK CULTURE

We give our employees the freedom to show skills like **vigour, vibrancy and innovativeness**. We hire talent and train them well while preparing them for the next stage of their jobs. Toyo India focuses on young engineers and introduces them to the latest working methodologies and tech-trends in the organisation. Fair and equal opportunities to prove their mettle is given to young workforce. They are developed through challenging tasks and assignments; including international exposure. **Employees are motivated and a competitive spirit is cultivated through rewards and recognition**.

OUR OFFERINGS

Arising out of our range of capabilities and differentiators, we typically undertake following major types of contracts:

Engineering, Procurement and Construction on Lump Sum Turnkey basis (EPC-LSTK)

Project Management Consultancy (PMC)

Engineering, Procurement Management and Construction Management (EPCM)

Alliance Agreements/Call out Contracts

Detailed Engineering on Lump Sum or Reimbursable

PRE-PROJECT STAGE

- Conceptualisation and Master Planning
- Feasibility Study
- Plant Cost Estimation
- Detailed Project Report
- Technology Selection
- Due Diligence

PROJECT IMPLEMENTATION STAGE

- Basic Design Engineering
- Front End Engineering Design (FEED)
- Detailed Engineering
- Project Management
- Procurement or Procurement Services
- Construction and/or Construction Management
- Commissioning and/or Start-Up Assistance

POST-PROJECT STAGE

- Performance Guarantee Test Runs
- De-bottlenecking/Optimisation
- Revamping/Expansion
- Applied Technology

GLOBAL STRENGTH

TOYO's strong presence across the globe and seamless co-ordination amongst all our subsidiaries is quite efficient to cater to any kind of solutions.



OUR KEY SECTORS



“Work performed with higher knowledge or skill, capacity or ambition, usually brings a correspondingly higher reward.”

- M Visvesvaraya

Our strong organisational belief

OIL & GAS, REFINERIES

VALUABLE RESOURCE UTILISATION

Residue Upgradation and MS/HSD
Quality Improvement, Vadodara, Gujarat
Client: Indian Oil Corporation Limited



With a clientele like Indian Oil Corporation Ltd., Oil & Natural Gas Corporation, Hindustan Petroleum Corporation Ltd., Bharat Petroleum Corporation Ltd., Shell, Reliance Industries Ltd., Kuwait National Petroleum Company, Mangalore Refinery & Petrochemicals Ltd. to name a few, Toyo India needs no introduction in Oil & Gas, Refineries. We come with an enviable portfolio developed over many years, and includes prominent work done for renowned Indian and international Oil & Gas companies. What sets us apart from others is our exposure to world class technologies and our experience of working with major multinational technology licensors. This makes us the preferred choice for complex Refinery Unit solutions that includes expansions and revamping.

We continue to grow our expertise in Engineering & Execution in all refining processes and technologies. Over the years, we have successfully and continuously proved our mettle through all our executed projects in Oil & Gas, Refineries Sector.

Diesel HydroTreater Project, Mumbai, Maharashtra
Client: Hindustan Petroleum Corporation Limited



C2, C3 & C4 Extraction Plant with Truck Loading System, Dahej, Gujarat, India
Client: Oil And Natural Gas Corporation



PETROCHEMICALS

HANDLING COMPLEXITY EFFICIENTLY

Naphtha Cracker Unit, Panipat, Haryana
Client: Indian Oil Corporation Limited



The Petrochemicals Industry in India has seen tremendous growth and developments, meeting local demands along the way, as well as fulfilling global market needs. Toyo India has been a major contributor to this growth. Naphtha or Gas Cracker, Aromatic Complex are the building blocks of petrochemicals. Toyo India has experience of the entire value chain of hydrocarbons, from Naphtha cracker to midstream and downstream petrochemical products. We have proven our proficiency in various olefins as well as aromatic complexes.

Our exposure is not limited to India, we are the engineering centre of Toyo Japan and give procurement & site supervision support to Toyo Japan for their global petrochemical projects. Toyo India's association with world's most prominent technology licensors helps to have an extra edge while selecting the right configuration and processes for the clients.

Styrene Butadiene Rubber Plant, Panipat, Haryana
Client: Indian Synthetic Rubber Limited



Ethylene Cracker, Turkmenistan
Client: Toyo Engineering Corporation, Japan
Owner: Turkmengas State Concern



CRYOGENICS

ENGINEERING THE PRECISE
TEMPERATURE

LNG Regasification Terminal, Mundra, Gujarat
Client: GSPC LNG Limited



Starting with Ammonia (-33°C), to Liquefied Petroleum Gas (-45°C), to Liquefied Natural Gas (-161°C); Toyo India is one of the leading solution providers in the Cryogenic Sector in India.

Toyo India has successfully implemented over 16 projects in ammonia storage with a total capacity of 145,000 MT.

Toyo India, as part of a Global Consortium, implemented India's first commercially operating LNG import terminal for Petronet LNG Ltd. at Dahej, Gujarat.

Later, Toyo India, along with Toyo Japan, also executed Regasification expansion projects. Phase II & IIIA at Dahej including one Greenfield Regasification project for GSPC LNG Ltd. at Mundra, Gujarat. Toyo India has now graduated to a standalone EPC contractor in Regasification execution.

LNG Regasification Terminal, Mundra, Gujarat
Client: GSPC LNG Limited



LNG Regasification Terminal, Dahej, Gujarat
Client: Petronet LNG Limited



FERTILISER

STIMULUS TO AGRICULTURE

Ammonia Urea Complex, Gadepan, Rajasthan
Client: Chambal Fertilisers & Chemicals Limited



While the golden era of the Indian Fertiliser Industry was taking shape, Toyo Japan pioneered in providing reliable technology. Toyo Japan began its journey in India with the fertiliser industry. Toyo Japan & Toyo India executed multiple Greenfield, expansions and revamp projects, for all major fertiliser companies in India: we even offer various technical services, debottlenecking, energy optimisation, etc.

With over 100 plants spread across the globe, Toyo Japan is a leader in Urea process development and plant engineering. Toyo Japan has established the Urea Technology ACES21®, which achieves energy saving and plant cost reduction maintaining high

performance and efficiency. Our strength lies in providing Toyo Japan's Urea technology along with EPC capability of Toyo India, ensuring seamless project execution under single point responsibility.

Ammonia Urea Plant, Nigeria
Client: Indorama Eleme Petrochemicals Company Limited



Ammonia Urea Plant, Gorakhpur, Uttar Pradesh
Client: Hindustan Urvarak & Rasayan Limited



SPECIALTY CHEMICALS & OTHERS

EXTENDING THE CHEMISTRY

Wet Yeast Manufacturing Facility, Pune
Client: Oriental Yeast Co. Ltd.



Butyl Phenol Project, Ratnagiri
Client: Vinati Organics Ltd.



Tyre Manufacturing Plant, Kheda, Madhya Pradesh
Client: Bridgestone ACC India Limited



Toyo India is instrumental in helping clients in specialty chemical industry and allied sectors to match-up demand rise of their products. Most importantly, Toyo India has played a major role in supporting clients for capacity expansions and diversifying their product portfolios. We have been associated with renowned players through long term service contracts in the specialty chemical sector.

Our experience extends to projects covering Tyre Manufacturing, Float Glass, Automobile, Specialty Chemicals, Paints, Bulk Drugs, Pharmaceuticals, etc.

“HSE STARTS WITH ME AND I AM RESPONSIBLE FOR HSE”

Toyo India's Occupational Health & Safety Management System is designed as per OHSAS 45001:2018 standard and Environmental Management System is designed as per ISO 14001:2015 standard.

We have always encouraged a proactive work culture, instead of a reactive one. Our employees, subcontractors and other stakeholders are asked to think one step ahead when it comes to the safety of the planet, personnel and environment protection. Health, Safety, & Environment (HSE) is an inseparable part of Toyo India. We believe that the project can claim true success only if it meets all the HSE standards along with timely delivery & quality. We have various systems, processes & International accreditation like ISO 45001:2018 & ISO 14001:2015 in

place for maintaining HSE standards which led us to achieve 100+ Million safe Man Hours milestone.

For Toyo-India, “HSE is always of utmost value” and we adhere to our HSE core value in everything we do. We, at Toyo India, aim towards achieving “HSE Excellence”. Cascading HSE culture to the last employee in the chain helps to achieve the ultimate aim of HSE Excellence. Every employee in Toyo India is HSE leader. For Toyo India, in true sense HSE comes first and is second to none.



SAFETY AWARENESS ACTIVITIES



QUALITY & SECURITY

IMPORTANCE OF QUALITY & SECURITY

With Top Managements' continuous focus on Quality compliance, its implementation is ensured in every task. Toyo India was amongst the first in the Indian engineering sector to get certified for our ISO Quality Management Standards in 1994, across all our business locations. Each and every project undergoes stringent quality checks and tests to ensure no substandard output. The effect of such an extensive quality measurement is reflected in our final projects delivered across our sectors.

Toyo India has implemented stringent ISMS 27001:2013 procedures to regulate the flow of this information through secured channels.

QUALITY & SECURITY CERTIFICATES

Our certifications are at global level and are applicable for all companies of Toyo Group. This means, each and every office of Toyo Group worldwide including the site offices are certified for Quality & Security.



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OUR PRIDE.**

TOYO HOUSE

H.O. AND REGISTERED OFFICE



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