

Industry Outlook

ENGINEERING CONSULTANTS

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AK TYAGI, CMD

NUBERG GROUP

25 YEARS OF
GLOBAL EPC MADE
FROM INDIA

₹150



COVER STORY

NUBERG GROUP

25 YEARS OF GLOBAL EPC MADE FROM INDIA

BY SAMRAT PRADHAN

In recent times, there has been a significant rise in industrial operations in the developing countries, wherein, the installation of new Industrial plants are likely to create an upsurge in the Heat Exchanger market. Moreover, the increasing industrialization and urbanization in countries like India and China has been directly propelling the demand for industrial activity. This has created positive opportunities for the players in this segment. Furthermore, technological advancements are also helping in growing the heat transfer efficiency of the exchangers. Numerous EPC companies are getting themselves specialized in renewable energy projects for a cleaner environment by generating useful heating and electricity from the same energy heat collector. However, the heat exchanger market is still moderately fragmented, and the biggest challenges faced by the industry is actually the lack of culture; lack of mindset to go forward with an EPC project on turnkey projects.

Furthermore, the rise in fouling problems has increased the maintenance cost for end-user industries, which is anticipated to hinder the market growth. Hence, clients expect to be provided with a Single Point EPC and LSTK Solutions and services from concept to commissioning. The players in this space are also expected to hold in-house set up for FEED, Basic, and Detailed Engineering. Moreover, in-house state-of-the-art fabrication facility which can deliver cost effective EPC and LSTK projects on time and which holds best-in-class quality is what clients expect today to meet their requirements.

Industry Outlook TOP 10
ENGINEERING
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AK TYAGI, CMD

“WITH OUR RESEARCH & DEVELOPMENT FACILITY IN SWEDEN, WE HAVE DEVELOPED & PATENTED TECHNOLOGY FOR HYDROGEN PEROXIDE. WE ARE ONE OF THE VERY FEW HYDROGEN PEROXIDE TECHNOLOGY LICENSORS IN THE WORLD”



OFFERING OPTIMAL TECHNICAL HEAT EXCHANGER SOLUTIONS

With 25 years of experience, Nuberg Engineering is a global Engineering, Procurement & Construction (EPC), Fabrication and Turnkey Project Management Company that has been offering the most extensive heat exchanger range serving optimal technical solutions across every task. The unique inlet designs and plate patterns ensure a high thermal efficiency and heat transmission for any given pressure drop.

Nuberg's manufacturing division, Nuberg HFD, consolidates all the activities in the field of heat exchangers and comes with perhaps the largest portfolio in segment area globally. Their heat exchanger segment gives broad coverage of the spectrum with shell and tube heat exchangers, plate heat exchangers, air filter systems, air-cooled heat exchangers, primary gas cooler, waste heat recovery boilers and economizer coils systems for various areas of application. Customers in the global market across industry verticals including oil and gas, power, chemicals, defence, water and waste treatment among others, leverage their highest standard of safety, efficiency and sustainability that its heat exchangers deliver at optimum level.

**“ NUBERG EPC IS TODAY
ACCEPTED AS A TRUSTED GLOBAL
EPC AND LSTK ORGANIZATION IN THE
MARKET. WE HAVE DELIVERED
60+ TURNKEY PROJECTS IN
30+ COUNTRIES ”**

A COMPLETE RANGE OF SHELL AND TUBE HEAT EXCHANGERS

With a state-of-the-art fabrication unit, Nuberg owns a complete facility to design and manufacture a wide range of Shell and Tube Heat Exchangers for cooling, condensing and heating application. The fabrication facility is well equipped with an ingenious design facility furnished with latest software & design and welding departments to construct manufacturing processes for any material.

Furthermore, they are reckoned as trusted turnkey project contractors for various sectors such as Chemical & Fertilizers, Energy & Infrastructure, Steel and Nuclear & Defence industries. As a leading EPC contractor for chemical and specialty chemical plants, Nuberg has set up more than 60 greenfield chemical plants in over 30 countries so far, on EPC basis.

SETTING INDUSTRY STANDARDS

The group's headquarters is located in Noida, and it has a modern manufacturing facility in Gujarat. For more than

two decades, Nuberg has been developing and fabricating process equipment for the chemical industry. Their fabrication facility is ISO, ASME, U Stamp, and IBR accredited, and it covers an area of 115000 square metres.

“Nuberg make sure that our team of 300+ engineers who are capable of providing 300000 engineering man hours work with unity and safety for the client to fulfill all their needs and expectations. Nuberg EPC is today accepted as a trusted global EPC and LSTK organization in the market. We have delivered 60+ turnkey projects in 30+ countries,” highlights AK Tyagi, CMD at Nuberg Group.

“We have established ourselves as the world's No. 1 EPC company for Hydrogen Peroxide and Calcium Chloride. We are the world's No. 2 EPC company for Caustic Soda / Chlor-Alkali. We are one of the world's fastest evolving EPC companies with a specialised team of over 300 engineers ensuring sustainable competitiveness,” he continues.

TURNING IDEAS INTO REALITY

Nuberg EPC has developed the habit of setting new benchmarks in the industry. The company has a clear vision to continually add value for its clients by offering large-scale industrial projects in a very cost-effective manner and with best-in-class quality. Hence, they are also able to cater to a wide range of client requirements in the remotest of locations without any difficulty. They have been ensuring that their specialized engineers meet every client's requirements and expectations. Their experience and global exposure gives them the needed capability to deliver robust EPC solutions and services as per the client's requirement irrespective of their industry or product.

“Our in-house engineering set up has dedicated teams of experts for Basic Engineering, FEED, and Detail Engineering. Nuberg combines its decades of experience and analytics with modern tools and software to deliver safe, modern and efficient engineering solutions,” states AK Tyagi.

ECONOMICAL SOLUTIONS FOR GOODS AND SERVICES

Being procurement specialists who work around the globe for the maximum profitability of a project, Nuberg provides genuine, safe and economical solutions for goods and services. Their supply chain has the most competitive international suppliers, equitable contracts and reliable delivery system which enable them to expertly handle complex industrial projects and deliver them on-time. Nuberg follows stringent quality and safety standards through its processes and project activities.

“We have a remarkable track record of zero accidents in our history so far. We are a specialized company in the integrated management and development of turnkey projects with a great technological approach. With our research



& development facility in Sweden, we have developed & patented technology for Hydrogen Peroxide, which have been successfully applied in large scale industrial plants worldwide,” states AK Tyagi.

The company are now known around the world as the market leader in EPC for Hydrogen Peroxide and Calcium Chloride. They are also the world's number two EPC firm for Caustic Soda / Chloro-Alkali plants. “We aspire to become industry champions in additional product categories and to proudly display Indian excellence. We are an EPC corporation that specialises in chemicals and fertilisers. We are real leaders who also serve in the energy & infrastructure, steel, nuclear, and defence sectors,” says AK Tyagi.

A HUMBLE START

Starting as an engineering company in the year 1996, the company got its very first Caustic Soda EPC project in Bangladesh in year 2000. Thereafter, they entered into Hydrogen Peroxide, Sulphuric Acid and Calcium Chloride. They are also into specialty chemicals, and have delivered several other projects/products such as Anisole, Sulfolane, and Sulfur Bentonite.

COMPETENCY IN THE FIELD

It was a proud moment for the firm when Abu Dhabi-based company, Al Ghaith Industries wanted to collaborate with them to set up a 60 TPD Greenfield chlor alkali plant. As Nuberg EPC offers solutions for chlorine derivatives, it established a calcium chloride plant to mitigate the potential risks involved. Next, Al Ghaith Industries decided to award another contract to Nuberg EPC. This involved the construction of a 125 TPD calcium chloride plant which would be constructed parallel to the chlor alkali plant to ensure chlorine usage.

Because of the absolute work quality and timely delivery, Nuberg EPC was once again chosen to expand the 60 TPD chlor alkali plant to 120 TPD. This was commissioned in early 2018. With delivery in only 15 months, this was a record turnaround. With three plants delivered in quick succession, Nuberg EPC demonstrated that they can plan long term projects which enable clients to get on with their business of generating profits.

A ROBUST TEAM THAT GUARANTEES SUCCESSFUL PROJECTS

If we speak of the team, the company has a team of 700+ professionals with 300+ engineers. They also have a state-of-the-art manufacturing plant with a construction team of 200+ professionals and licensed contractors with international expertise.

By planning big in energy infrastructure, it won a new project in India. This Hydrogen Purification Dispensing Plant project is the first-ever fuel cell grade plant in India, wherein, the hydrogen produced at the plant will be used as fuel for vehicles. Hence, its success of the plant will enable a revolution in India.

“We enjoy working on large-scale schemes. All at the same, we are focusing on large-scale chemistry (specialty chem) and fertilizer work. As a responsible corporate citizen, Nuberg is committed towards introducing world-class technologies and processes to India. Similarly, we seek global opportunities by capitalizing on our Indian strengths while expanding our global footprints in developing and neighboring sectors. We need ample experience to offer best-in-class quality projects on schedule on budget,” AK Tyagi concludes.

Green is the future: Hydrogen – Green, Grey, and Blue; 2G & 3G Ethanol, Water Electrolysis, Water Soluble Fertilizers, and Next Generation Nutrients will be in focus for Nuberg EPC for a truly fulfilling future. ||