

The Industrial Sector - Poised For Growth

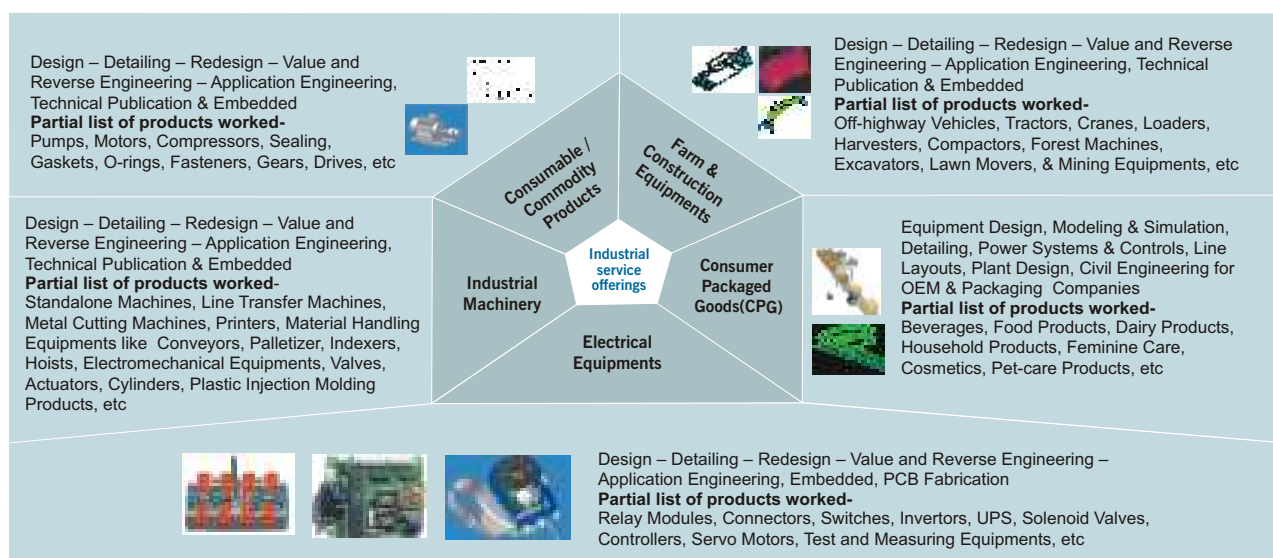
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The Industrial sector has more than just the projected growth numbers for the next ten years to look forward to. This is a highly diversified segment with a wide spectrum of products dotting its product line, thereby offering a plethora of exciting possibilities. It is also an industry that needs to constantly re-invent and re-innovate itself, to cater to ever-changing market demands and wavering brand loyalties. Expected to grow double fold in the next ten years, it wouldn't be an exaggeration to say that this industry will dominate our mind space like no other, in the coming years.

QuEST Global understands this. As a result of which, our presence in the sub-domains of Industrial Machinery, Farm and Construction Machinery, Electrical Equipments, Consumables and FMCG (Fast Moving Consumer Goods) have all been classified under the single banner of 'Industrial'. The eclectic diversification of the industrial sector has enabled us to create a unique 'Local-Global' model to support this segment. Our highly skilled domain expertise from off-shore locations is backed to near-perfection by our globally positioned local co-ordinators, which enables us to cater to every requirement of this segment. This model also renders great support to market players who wish to go that extra mile and stay ahead of competition in these highly volatile times.

Industrial service offerings



QUEST SUPPORTS PRODUCT DEVELOPMENT ACROSS THE PRODUCT LIFE CYCLE

Industry Sectors: Consumer Products | Industrial Equipments | Machineries

Product Design & Modeling	Engineering Analysis	Manufacturing Engineering	Manufacturing	Technical Publications	Sustenance & Product Engineering Support	Embedded Practice
<ul style="list-style-type: none"> ▪ Concept Development ▪ Design Calculations ▪ Modeling & Automation ▪ Modeling & Simulation ▪ NPD/NPI Support ▪ Preliminary/ Detail Design ▪ Product Re-Design ▪ Re-Engineering ▪ Value Engineering ▪ Line Layouts ▪ Plant Design Engineering 	<ul style="list-style-type: none"> ▪ CFD Analysis ▪ Design Optimization ▪ Fatigue Analysis ▪ Field Failure Analysis ▪ Kinematics & Dynamic Analysis ▪ Static & Structural Analysis ▪ Thermal & Vibration Analysis ▪ Real Time Simulation 	<ul style="list-style-type: none"> ▪ CNC Programming ▪ CMM Programming ▪ Process Planning ▪ Prototyping ▪ Tooling Design ▪ Jigs & Fixture Design ▪ Production Tooling ▪ Vendor Qualification & Management 	<ul style="list-style-type: none"> ▪ Assembly Jigs & Fixtures ▪ Precision Manufacturing ▪ Pressure Die Cast ▪ Sheet Metal & Forming Tools ▪ Plastic Injection Moulding 	<ul style="list-style-type: none"> ▪ Installation and Setup Guides ▪ Illustrated Parts Catalog (IPC) ▪ Maintenance Manuals ▪ Operating Instructions ▪ Repair Manuals 	<ul style="list-style-type: none"> ▪ BOM Updation ▪ Design Standardization ▪ Engineering Change Notice (ECN) ▪ Legacy Data Conversion ▪ Trouble-Shooting ▪ Redesign Components & Equipments ▪ Data Migration ▪ Technical Documentation 	<ul style="list-style-type: none"> ▪ Embedded System Software Development ▪ Device Drivers ▪ Data Acquisition and Remote Health Monitoring Systems Solution ▪ Turbo Machines Testing and Data Analysis ▪ Turbo Engine Control Systems Development ▪ PLC/SCADA/HMI Implementation ▪ AC-DC Motors Drives and Controllers Solution

Case Study:

Design and development of offshore engineering center for industrial majors

Customer

- A USD 12.7 billion global enterprise based in the US, employing 50,300 employees
- A diversified technology leader which designs, manufactures, and markets innovative products and services with strong brand names and significant market positions

Objective

- To accelerate product development and launch
- To reduce engineering and procurement costs
- To meet the ever-growing needs of emerging markets
- To build a Global Engineering Center for collaborative product development and thereby increase engineering capacity and capability

QuEST Global Approach

- Understood the GPD strategy of customers

- Built successful relationships with companies and demonstrated immense capability, capacity and business value
- Built integrated global teams supporting operating companies across multiple business segments
- Scaled up operations to support multiple operating companies of the enterprise globally
- Built a competent Global Development Center in a collaborative environment.

Results

- 20+ strong global engineering team supporting multiple business segments and servicing a wide range of engineering disciplines
- Providing engineering support successfully for the past 4 years

Benefits to Customer

- Improved business vitality and vibrancy
- Reduced engineering expenditure
- Savings of around 23% through GPD across customers' business segments

"QuEST Global has solid expertise and has been particularly proficient in the area of mechanical design and analysis, supplier selection, qualification and development. QuEST Global helped us expand its Indian manufacturing sourcing five-fold in the last year and we expect to expand our partnership." - **Customer Vice President**

About QuEST Global

QuEST Global is a leading provider of diversified engineering and manufacturing services in the Aerospace & Defence, Aeroengines, Consumer Electronics, Healthcare, Industrial Products, Marine, Nuclear Engineering, Oil and Gas, Power Generation and Transportation industries. Our capabilities enable our customers to cut product development costs, shorten lead times, extend capacity and maximize engineering resources. QuEST Global provides support across the complete product life-cycle from design and modeling through analysis, prototyping, automation, data documentation, instrumentation and controls, embedded systems & electronic development, manufacturing support, vendor management and in-house precision machining.



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