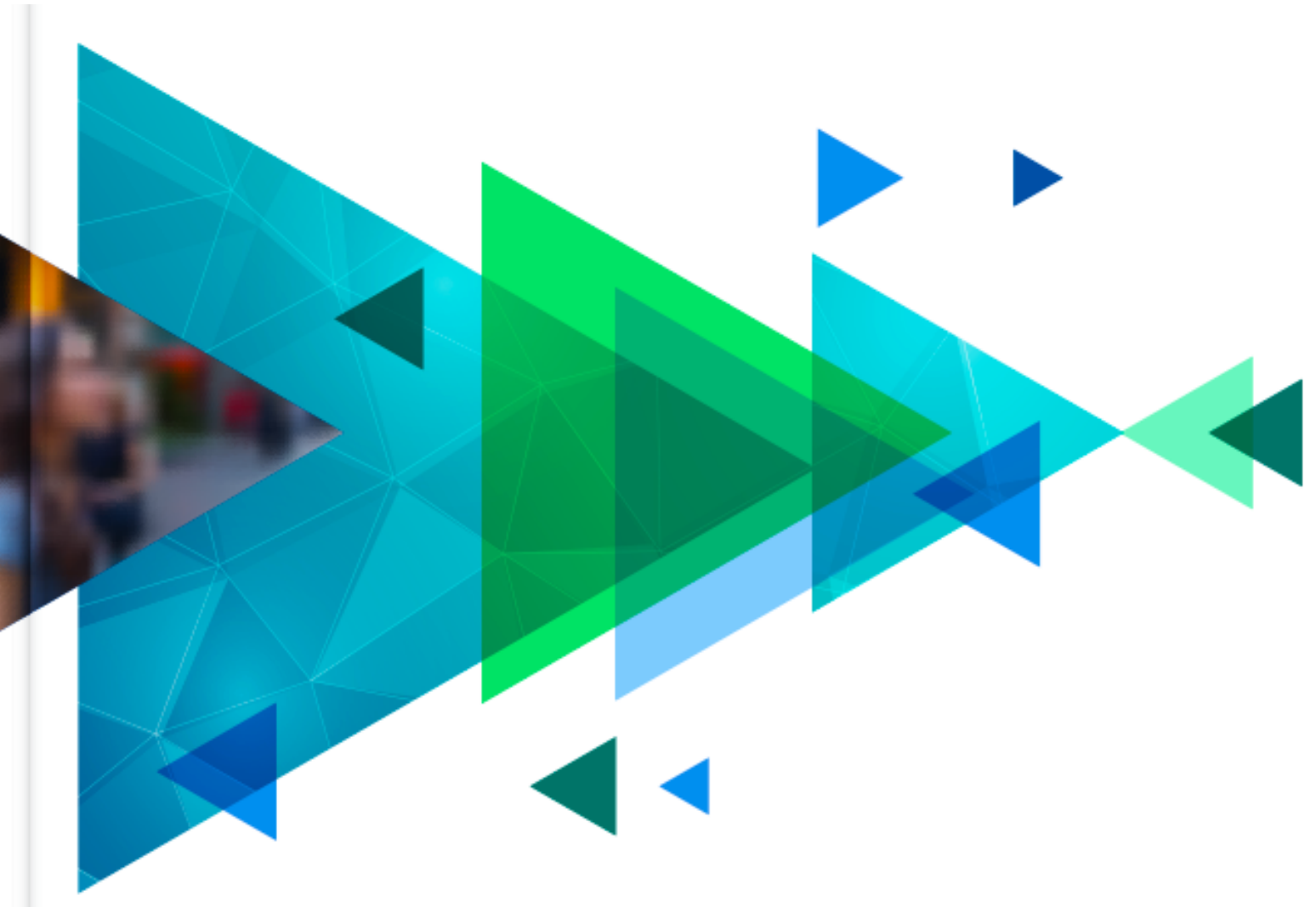




**ASHIGLOBAL** TECHNICAL SERVICES  
ENGINEERING AND TECHNICAL SERVICES

MakingTechnology Work For Business



# ASHIGLOBAL Technical Services

is a professionally managed engineering consultancy and detailed engineering organization, provides engineering services also to all kind of process industries. This organization is established with a view to provide comprehensive engineering and scientific solutions for various industries and enterprises. Our strength is our knowledge based engineering, cost effective solutions and practical approach to specific requirements. The business operations and project co-ordination activities are handled designing from our Ahmedabad & Project execution from Bharuch office.



Ashiglobal provides the complete range of services needed to conceptualize, design, and engineer projects to meet the specific requirements of its clients. The Services offered by us include:

- Engineering Services
- Basic Engineering
- Erection & Commissioning
- Detailed Engineering
- Plant Relocation
- Machine Up-gradation

Ashiglobal is managed by a team of professional key members as associates. The members are well experienced in their area and are assisted by their own team of engineers and technical persons.

Innovation, Designing and Technology  
can empower your business.

# OUR SERVICES

## Engineering Services

Our Mechanical and Electrical, Instrumentation Services engineering teams form the core of our Engineering Services division. This is supported by specialist expertise in all facets of development and engineering solutions.

We aim to provide clients with a committed and focused team to ensure a personalised service. Our philosophy is to treat each project as a unique challenge to create cost effective solutions for every engineering aspect of the project, cognisant of all issues that can influence the design, operation and maintenance of plant and equipment. We are committed to the protection of our environment and incorporate into our service and solutions key energy and environmental initiatives while maintaining or improving service quality.

### Specialist installations encompass:

- Clean Rooms, Computer Rooms and Specialist Design Forms
- LEED Accredited Green Buildings
- Laboratory Design
- Specialty Lighting Design
- Security and Communication Systems Including IT and Telephone Systems
- Fire Alarm and Voice Communication

### Our services encompass

- Mechanical and Electrical Engineering
- Fire Protection Systems
- Electrical Power Distribution
- Emergency Power Generation and Distribution
- Heating, Ventilation & Air-conditioning
- Building Management System

### Specialization in used & old machines and plant relocation:

Galileo Metallizer, Dornier & Bruckner BOPET, BOPP & CPP Film Plants, Metallizer, Coating, Holography & Printing Machines, Geosynthetics & Textile Plants, Chemical & Pharma Plants, Extrusion coating & Lamination.





## Basic Engineering

Ashiglobal uses State-of-the-art process simulation software packages to develop process flow sheets and heat & material balances. For design & graphic work, ASHIGLOBAL uses both AutoCAD & Intergraph environment. Design & engineering is carried out on distributed computing facilities.

## Detail Engineering

The Basic Design packages are converted into detailed engineering drawings and documents by specialist civil, structural, mechanical, and electrical & instrumentation engineers. Computer aided design techniques are extensively used as design aids to help develop optimum layout & design to assure maximum construction, operational & maintenance convenience.

Computerized 3-D modelings of the plant is created for each project using the latest techniques available internationally. Detailed drawings and Bill of Materials are extracted automatically from the system, ensuring highest degree of accuracy and error-free drawings. Documents / Drawings are transmitted electronically using the LAN environment for in-house use and Internet for external use.


Detailed engineering leads to identification & specifications of equipment and material for procurement & needs of construction activities at site.

## Environmental Engineering

Ashiglobal offers extensive services in the area of environmental engineering such as:

- Waste Water Management
- Water Treatment
- Solid and hazardous Waste Management
- Pollution prevention and Waste Minimization.

These services are provided for Chemical plants, Textile plants, Sugar Plants Petrochemical Plants, Institutional Buildings and Engineering Projects.



## Commissioning & Plant Start Up

Ashiglobal's Commissioning team project right from the process design stage. It reviews process & engineering design documents especially with respect to operability & safety. The team also prepares operation manuals providing instruction for plant start-up, shutdown & handling various emergencies. It provides guidelines and supervises pre commissioning & commissioning activities at site.

## Associates Contractors and Sub Contractors

Ashiglobal is having many Skilled, experienced and dedicated Contractors and Sub Contractors in different area in world wide as associates, who can execute the required jobs with full strength and quality work with in time schedule in various field like Civil, Mechanical, Piping, Electrical & Instrumentation, offshore and other required areas.



### Our Strength:

With our collective experience we can provide comprehensive solutions covering following areas of importance to all kind of projects & industries.

# Our Area of Expertise

## Engineering Services (Electrical, Instrumentation, Mechanical and Utilities)

- Collection of site data
- Basic engineering
- Preparation of BOM / BOQ
- Project estimation
- Preparation of enquiry specification
- Detailed engineering
- Floating of enquiries
- Evaluation of offers
- Selection of equipments
- Inspection of equipments
- Supervision for installation, erection & commissioning of equipments
- Performance guaranty test (P.G. test of critical equipments)

## Plant Operation & Maintenance Management Services

- Data Collection and Process Monitoring
- Process Trouble shooting and Analysis.
- Preventive & Breakdown Maintenance
- Documentation of all activities
- Preparation of Preventative & Break down schedule
- Maintenance of various equipments on line and offline.
- Day to Day activities management
- Designing and new developments
- Process cost and running cost analysis and control.
- Maintenance cost control and analysis.
- Shut down maintenance
- Plant overhauling and modifications

## Plant Dismantling, Relocation, Installation & Modernization, Electrical & Instrumentation Erection & Commissioning

- Revamp of Power & Utility system
- Automation of Old Purchased Plants.
- Supervision of Dismantling, Shifting, Installation & Commissioning Renovation of Plants.
- New Panels Manufacturing and up gradations in old machine with new generation software base technology.
- Custom built application designing.
- Instrumentation & control system designing, Installation, Cabling , loop checking, & Maintenance
- PLC & DCS programming, Logic Development Installation& commissioning Testing and product Trial and operation.
- Erection & Commissioning of various type of plants in Instrumentation & Control, Electrical.



## Proven O&M Experience

Ashiglobal has extensive O&M experience with a wide range of Field instrumentation , PLC & DCS system and operating conditions. Our experience is with various Chemical plants, Packaging plants, Agro Chemical plants, Power plants & Cement industries. Plant owners can take advantage of our O&M expertise with all types of process.

Ashiglobal is qualified in all phases of O&M necessary to achieve high availability, performance, profitability and safety. These competencies include:

- O&M estimating and budgeting.
- Preventive & Breakdown Maintenance.
- Startup and commissioning services.
- Operating procedures.



## Keys to Successful Plant Performance



### Plant Operation

Pro table long-term operation requires maximizing availability while optimizing equipment life. Our operational services are designed and implemented to consistently achieve this objective by:

- Operating plants in a safe, compliant and decent manner. Developing and implementing formal procedural, maintenance, environmental and safety management programs.
- Maintaining overall care and control of the plant and site
- Advising and recommending tooling and inventory requirement
- Recommending procedural changes, when necessary, to improve operation
- Responding and adjusting to changing operating conditions.



### Plant Maintenance

To attain maximum plant availability and equipment reliability, and to reduce forced outages, Ashiglobal develops long-term custom maintenance programs that include:

- Preventive maintenance
- Predictive maintenance procedures
- Scheduled maintenance
- Major refurbishments



## Safety

Safety is a fundamental corporate value for Ashiglobal. Our goal to finish each and every day injury and incident free applies throughout every operating unit, subsidiary and division of the company.

Ashiglobal extensive environmental health and safety (EH&S) program has significantly improved plant safety. Results include reduction in business risk and an improvement in operational performance.



We aggressively strive for 100% EH&S compliance and an accident-free workplace.

We conduct EH&S reviews on a regular basis to identify areas of concern. We then identify and implement target improvements.



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TECHNICAL SERVICES

[www.ashiglobal.com](http://www.ashiglobal.com)

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