



**Arc & Fusion (I) Pvt. Ltd.**



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



## **OUR VISION**

To become a leading Engineering & Construction service provider of choice for clients worldwide and to set benchmarks in technical excellence, professionalism & corporate social responsibility.

## **OUR MISSION**

To provide quality services through best policies, programs and procedures while executing our business in a safe, responsible and profitable manner with a target of harmless to society and environment.

## **OUR COMMITMENT**

We hold ourselves to high standards of ingenuity, integrity and precision, we practice new innovative standards for ease of doing jobs, better productivity, convenience, reliability and professionalism. Our skilled and experienced teams are committed to complete each assignment with accuracy within the stipulated time schedule.

## **THE COMPANY**

Arc and Fusion India Pvt Ltd, an ISO 9001:2015 company was incorporated by a group of construction professionals with a motto of "FUSION BEYOND ENVISION". We had a very humble beginning in India in the year 2005 and entered into the construction industry with a small team of dedicated professionals. We have progressed with the time and today our organization has grown geographically to Middle East, South East Asia and African countries, apart from our base of operations, India executing projects in diversified sectors like Oil & Gas, Fertilizer, Power, Ship Building & Ship Repair, Steel & Metallurgical and Chemical etc.

We are thankful to our energetic team of employees and business partners who have become the integral part in the organization's growth history and without their dedication and hard efforts this growth story would not have been so fruitful and fast. We also thank our business associates worldwide for their trust and confidence with us and allowing us to serve them better through all these years.

In the coming years, we stand committed to progress and change to achieve breakthroughs for moving forward in the ever changing industrial scenario, while retaining the core ethos and values that have been kept like a beacon in this journey so far.



## SERVICES IN BRIEF

### **Piping, Pipe Bending solutions, Structural and other Mechanical Construction**

Our construction division offers full range of Equipment, Piping, steel structural fabrication & Installation services. We adhere to strict compliance of approved method statements, inspection plans, procedures, while executing the project. We offer full spectrum of construction services to oil and gas, power, ship building, ship repair, petrochemical and chemical sectors. Our experienced team, established procedures and proven construction management systems ensure a safe, efficient and reliable execution of all projects.

Our mechanical & piping division offers Pipe bending, spool fabrication, installation and commissioning of all type of materials viz alloy steel, carbon steel and other exotic materials. We have handled large capital projects with millions of spools, tons of structures as well as routine maintenance. Our highly skilled workforce comprises of Engineers, Inspectors, Supervisors, Fabricators, Welders etc. with excellent safety and quality performance records assuring greater quality, efficiency and ultimately significant cost savings for customers.

We have sophisticated hydraulic pipe bending machine for carrying out bending of Copper Nickel, Copper, Stainless steel and Carbon steel Pipes of sizes upto 80NB.

Pipe bending is mainly carried out in Ship building & Ship repair Industry (Indian Navy and Coast Guard vessels) and automobile industries.

### **Maintenance & Inspection of Crude Oil Storage Tanks**

We execute complete construction, maintenance and inspection of storage tanks and pressure vessels with different materials used for storage of wide range of fluids.

Initiating from procurement, fabrication, installation, Shot Blasting, painting, Hydro-testing, Primary and Secondary seal removal & installation, repair & replacement of MVWS lines. Overhauling, installation and commissioning of mixers, motors and stirrers.

### **Electrical & Instrumentation**

Our E&I division comprises of diverse group of professionals, capable of installing, termination and commissioning of electrical and instrumentation of all types of control systems needs across industry. We are capable of installing wide range of equipment from electrical power distribution to complex DCS and PLC systems.





## **Sourcing and Deployment of Skilled Resources**

We provide highly qualified professionals and skilled resource to support with the best top, middle and lower level workforce in a short time for long term basis. We provide exclusive and qualified workforce for all sectors like, oil and gas, mechanical construction, civil construction, electrical, marine & shipyards hospitality, manufacturing, power and desalination plant, information technology & logistics. We analyze the resource requirements of our clients and ensure that our clients get the best manpower supply services.

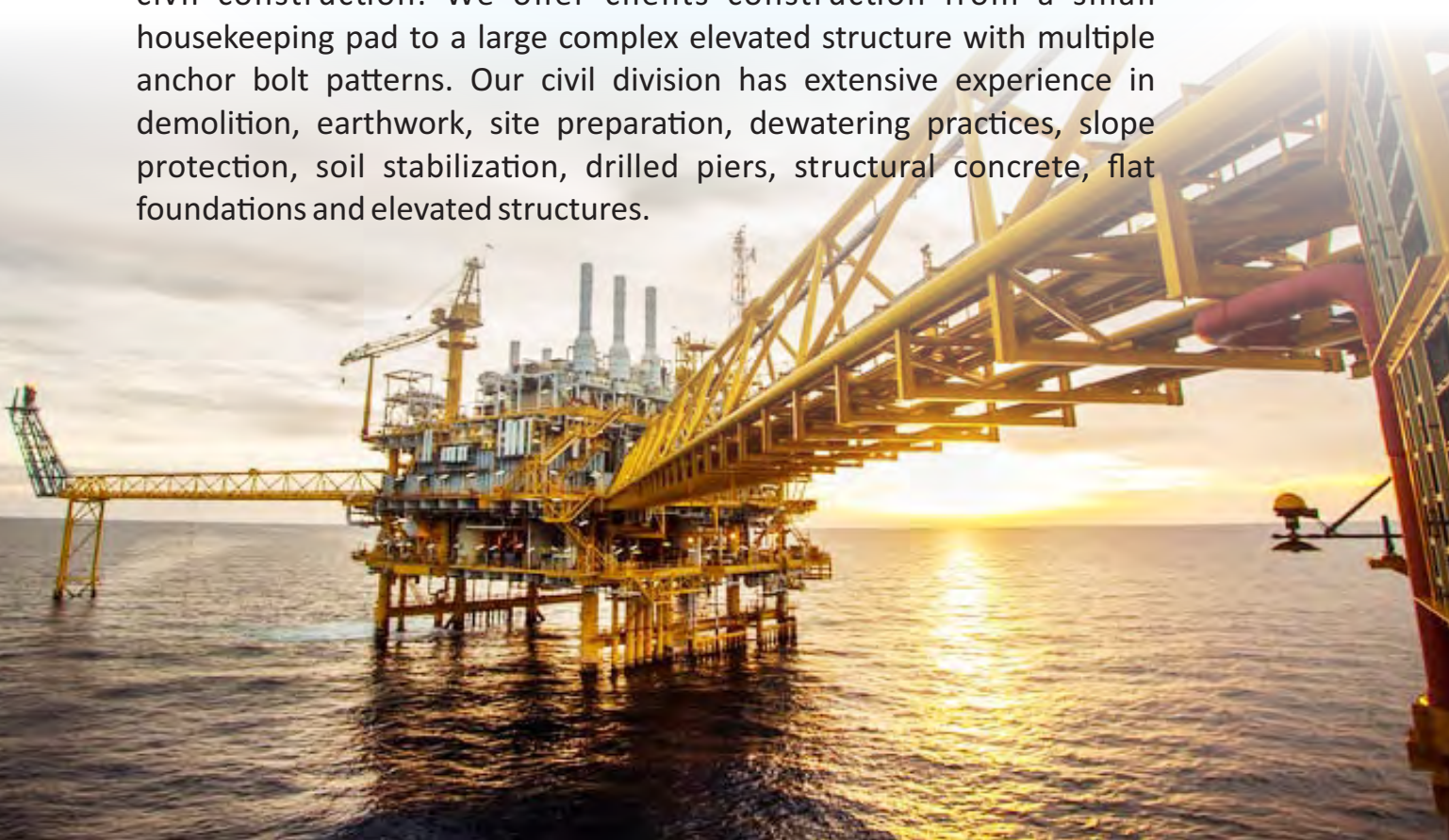
## **Shipbuilding and Maintenance**

We are renowned contractor of M/s Cochin Shipyard Ltd. since 2005 and have executed and commissioned various pipeline systems of platform supply vessels. We are proud to be a part of the making of INS Vikrant (India's indigenous aircraft carrier ship). Our vast experience in engine room piping and hull jobs.

We are engaged with M/s. Mazagon Dock Shipbuilders Ltd. carrying out pipe spools fabrication in our workshop equipped with all facilities and undertake installation and commissioning of P17A Naval Vessels.

## **Civil Construction**

Our Civil Construction division works well with our engineering partners and has the expertise to perform large and small projects in all phases of civil construction. We offer clients construction from a small housekeeping pad to a large complex elevated structure with multiple anchor bolt patterns. Our civil division has extensive experience in demolition, earthwork, site preparation, dewatering practices, slope protection, soil stabilization, drilled piers, structural concrete, flat foundations and elevated structures.





## ONGOING PROJECTS

- **MDSL- Ship Building & Repair**  
Client- Mazagon Dock Shipbuilders Ltd.  
Scope- Pipe Fabrication and Installation activities ( 4 Ships of P17A).
- **BORL- Maintenance & Inspection of Crude Oil Storage Tanks, COT Vadinar.**  
Client- Expo Gas Containers Ltd.  
Scope- Grid blasting, Painting, Piping and Structural Jobs.
- **BORL-Annual Maintenance Contract at COT Vadinar.**  
Client- Bharat Oman Refinery Limited.  
Scope- Mechanical Maintenance of Static & Rotary Equipment, Fabrication and Installation works, Warehouse Management and Calibration of various Mechanical Equipment.
- **CSL- Ship Building & Repair**  
Client- Cochin Shipyard Limited.  
Scope- Piping Fabrication & Installation ( System wise or Block wise)  
Hull Fabrication & Assembly.

## PROJECTS AT GLANCE

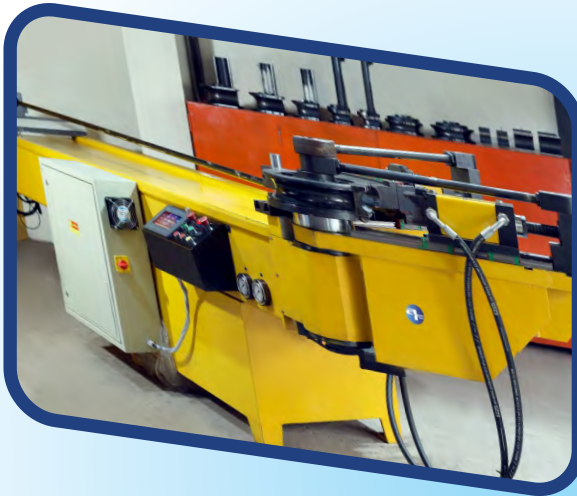
- **Sabiya Gas Turbine to Combined Cycle Project.**  
**Power plant for Ministry of Electricity and Water, Kuwait.**  
Client : M/s Alghanim International W.L.L. Kuwait  
Scope : Fabrication, Installation, testing and pre commissioning of Power Plant Piping.
- **Installation of ROSOVs (Remote Operated Shut-Off Valves) in 13 Nos.**  
**Crude oil storage tanks at IOCL, WRPLVadinar**  
Client : Indian Oil Corporation Ltd. India  
Scope : Above ground and under ground piping installation including valves,testing and pre commissioning of the system
- **Tokuyama Malaysia Poly Silicon Phase - 2 Project (TMP-2),**  
Client :Hiap Seng Engineering (M) Sdn Bhd , Malaysia / Chiyoda Corporation, Japan.  
Scope :Piping installation, Testing, Structural steel works, Equipment installation and Hook ups and pre-commissioning activities.
- **ASAB Full Field Development Project , Abu Dhabi.**  
Client :OSMAK / Petrofac.  
Scope : Piping installation, testing, Structural steel works, Equipment installation and Hook ups and pre-commissioning activities.
- **SRDC Project at Saihrawl, for Petroleum Development of Oman**  
Client : Bahwan Engineering Company L.L.C / TR Oman  
Scope : Construction of DSS pipeline for new unit in the Gas processing plant at Saihrawl.
- **Mud Plugging, Cold Cutting and Fabrication in existing Pipeline at IOCL premises at Vadinar ( Gujarat).**  
Client: Bharat Oman Refinery Limited.  
Scope: Mud plugging, Cold cutting and Fabrication of Pipe.



## PIPE BENDING SOLUTIONS

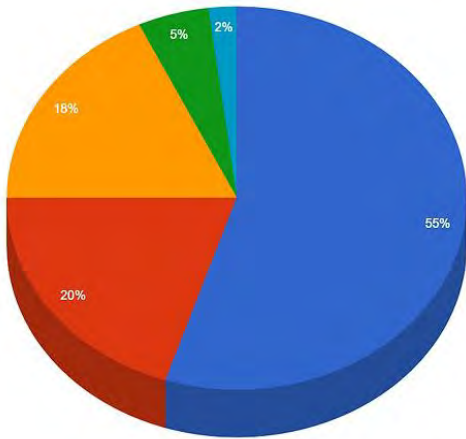
### Bending Machine Specification

Particulars	Specification
Pipe Material	CS,SS, CuNi, Cu
Bending Radius	1.5D, 2D, 2.5D, 3D
Bend Center Line Radius	20mm Minimum -180mm Maximum
Bend Angle Range	5 degree -180 degree
Length of Mandrel Std	3500mm
Power	10 HP 3Ph,230V 50Hz



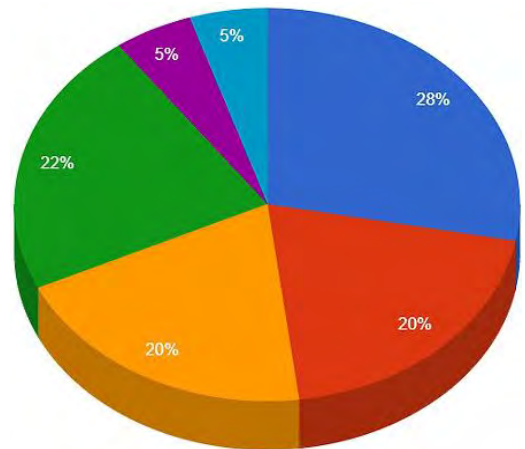


## Sector Presence

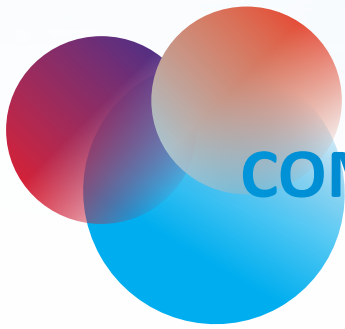


- Oil & Gas
- Power
- Ship Building
- Petrochemical
- Others

## Global Presence



- India
- UAE
- Oman
- Kuwait
- Malaysia
- Others



## COMPANY POLICIES & AWARDS



### AWARDS

Cairn Energy - HSE Excellence Award

Cochin Shipyard Limited. - Safety Award - 2013

Safety Award - 2022





## EXPERTISE & HIGHLIGHTS

### **Super Duplex Piping**

Completed welding of 60 inch dia super duplex piping in 9 hours and with 100% accuracy. The job was performed under the inspection of Petroleum Development of Oman (PDO) during Off Plot Delivery contract project for North Oman at Qarnalam for Galfar Engineering & Contracting.

### **Boiler Pipeline:**

We have completed 7000 inch dia boiler pipeline (CS, AS & SS 347), of schedule 100 to 160, within 15 days time during the Technology Upgradation Project of Ammonia V Plant at RCF Chembur.

### **Pipe Spool Fabrication for Ship building:**

Our team has successfully delivered 600 CuNi spools within a span of 30 days fabricated at our workshop. Job includes bending, fabrication, hydro test, pickling for Mazagon Dock Shipbuilders Limited

### **Molybdenum Welding**

We have done Molybdenum Plate Welding in our Workshop

### **Our Shut down / Hot work expertise**

- ★ Cold Cutting & Beveling
- ★ Hot Tapping
- ★ Mud Plugging
- ★ Inflatable Pipe Plugging

### **Our Exotic Metal Welding Expertise so far**

Molybdenum,  
Duplex Stainless Steel (DSS),  
Super Duplex Stainless Steel (SDSS),  
Copper Nickel (Cu-Ni),  
Inconel,  
Hastalloy,  
Titanium,  
Zirconium,  
Copper (Cu),  
Nickel Chromium (Ni-Cr),  
Various other ALLOY STEELS



# BRIEF VIEW OF CLIENTS



BG INDIA







**Arc & Fusion  
E-Technologies (P) Ltd.**

*an it company  
designed for innovations*

(An Arc & Fusion Group Company)

**Custom made Enterprise Softwares  
(Mobile App. Enabled)**

Project Management  
HR Management  
Invoice Management

Vindex Schola (School Management)  
Business Process Management  
Material Management





### Corporate Office & Work Shop

Plot No. PAP-C-38/39, MIDC, T.T.C. Industrial Area, Pawane.  
Navi Mumbai - 400703, Maharashtra, India.

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