

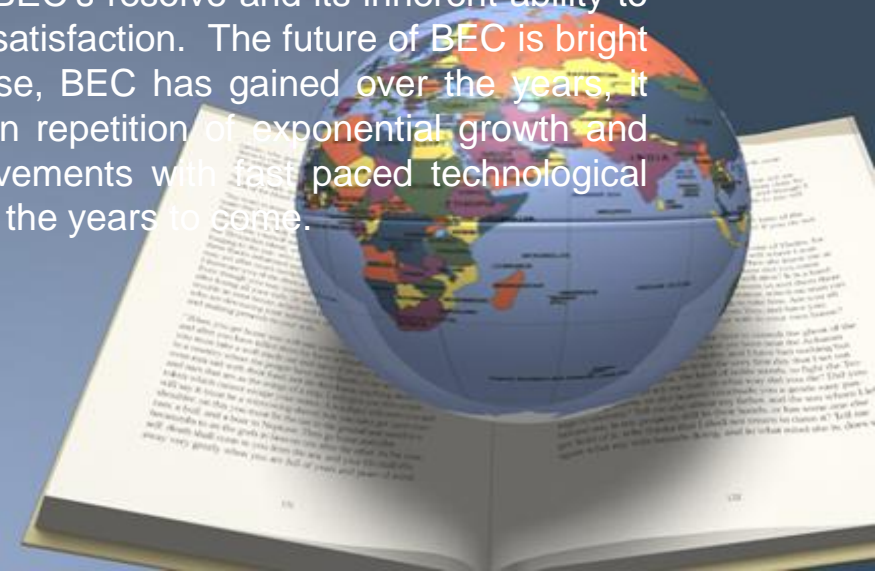
Message from Director



BEC Foundry is committed to excellence in Quality and Delivery of Quality Castings, Equipments, Machined Parts through dedication and competence. We at BEC have prime objectives towards Ethical and Professional Business practices and enjoy total Customer Trust. Riding on the trust vested by our Customers, the Company has been steadily growing and widening its product range. We have identified Export as a power tool to strengthen our Technological Talents and heighten competitiveness.

The economic growth in India has opened up big challenges for the BEC team like steady increase in Output, growing needs for best in Quality and speedy product development. It offers new opportunities to compete, succeed and lead. This rapid growth has only reinforced BEC's resolve and its inherent ability to meet customer satisfaction. The future of BEC is bright with the expertise, BEC has gained over the years, it firmly believes in repetition of exponential growth and continual improvements with fast paced technological advancement in the years to come.

Geetika Jain



Established in 1960, Bhilai Engineering Corporation Limited serves Railways, Steel Plants, Power Plants, Mining & Engineering Industries for their requirements of Steel, Alloy steel and Manganese steel castings.

The company was set up with an objective of manufacturing high quality ferrous castings, heavy fabrication and to provide machining assistance to their valued customers using the latest State of Art technology available in the country. Company is managed by a team of highly technical professionals. BEC is dedicated in the service of Indian Railways, Steel, Mines and Power Sector. It is no wonder the company has withstood the test of time for the last 52 years, given the dynamic nature of the economy with a focused vision.

BEC Foundry provides added value on each contract which is awarded to us, with the use of latest technology and electronic support into manufacturing requirements, expediting parts and cutting lead time.



Established 1960

Profile

- BEC Steel Foundry is one of the leading and modern Steel Foundry established in 70s, which is duly accredited with ISO: 9001-2000 certification situated in the central part of India at Bhilai (Chhattisgarh State) known as one of the renowned Steel Cities.
- The company was set up with an objective of manufacturing high quality ferrous castings up to finish machined condition to our valued customers using the latest State-of-art technology available in the country. The Foundry is managed by a team of technical professionals.
- The Foundry is dedicated in the service of Railways, Mines and Power Sectors.
- The Steel Foundry consists of following divisions, namely: -

Casting Division
Heavy Machine Division



Facilities

- BEC Steel Foundry is robustly built to undertake its manufacturing activities. The Foundry consists of two elaborate factory sites and is equipped with a combination of all required Equipments and machinery to handle its manufacturing activities.
- Latest equipment additions have not only enhanced the level of quality and productivity, but recent expansion of the facilities has enhanced manufacturing space to 0.3 million sq. meters. And above all, our upgraded infrastructure allows all work to be handled quickly and efficiently. The extensive machine shop with recently added CNC Machining Centres is capable of speedy & quality products.
- The salient features of our facilities are as under:
 - Casting Simulation Modeling
 - Pattern & Method Shop
 - No Bake Molding Facilities
 - KWS Heavy Duty jolt Squeeze
 - Three Phase Direct ARC Furnace
 - Induction Furnace
 - Lab & Testing facilities including:
 - » Chemical & Mechanical Testing
 - » NDT including in-house Radiography
 - Dedicated Machine Shop





View on Foundry Casting Process

Molding Shop



Foundry Shop





Machine Shop



CNC Plano Miller



CNC Vertical Machining



Our Technical Capability to deliver critical & fully finished components in the following Sectors:

Area of Specialization

Railways

Mining

Exports

Miscellaneous





BEC in Railways



Railway Products

- **Manganese Steel Crossings:**
 - Largest Producer of Cast Manganese Steel Crossings in India.
 - Largest Exporter of Cast Manganese Steel Crossings from India.
- **Locomotive Bogie Frames:**
 - One of the biggest manufacturers of Locomotive Bogie Frames and also exporting to USA.
- **Freight Car Bogie Frames:**
 - Manufacturer and Exporters of Freight Car Bogies.
- **Coupling Systems:**
 - Coupler Assemblies for Railways.
- **Traction Motor Housings:**
 - Traction Motor & A/C Motor Housings for USA.
- **Cast Passenger Car Bogie Parts:**
 - Center Pivots and Yokes for Europe.



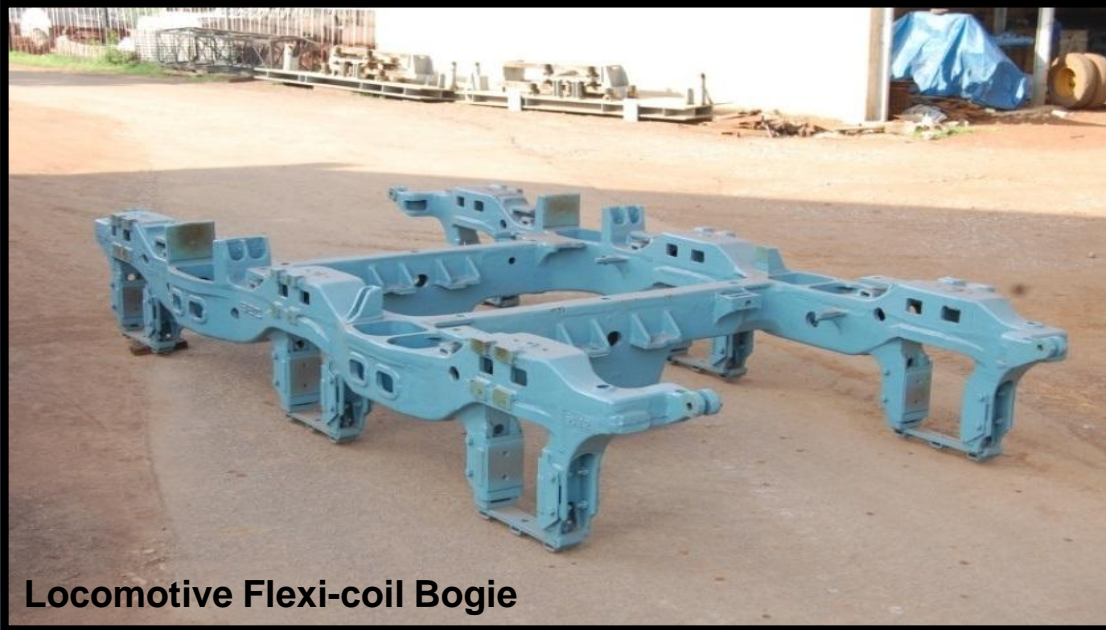
Largest Manufacturer of Locomotive Under Carriages to Railways



**Cast Steel Locomotive Bogie Frame
Assembly (6½ ton)**



Locomotive Components



Locomotive Flexi-coil Bogie



Locomotive Truck Frame





Freight Wagon Casub

Freight Car

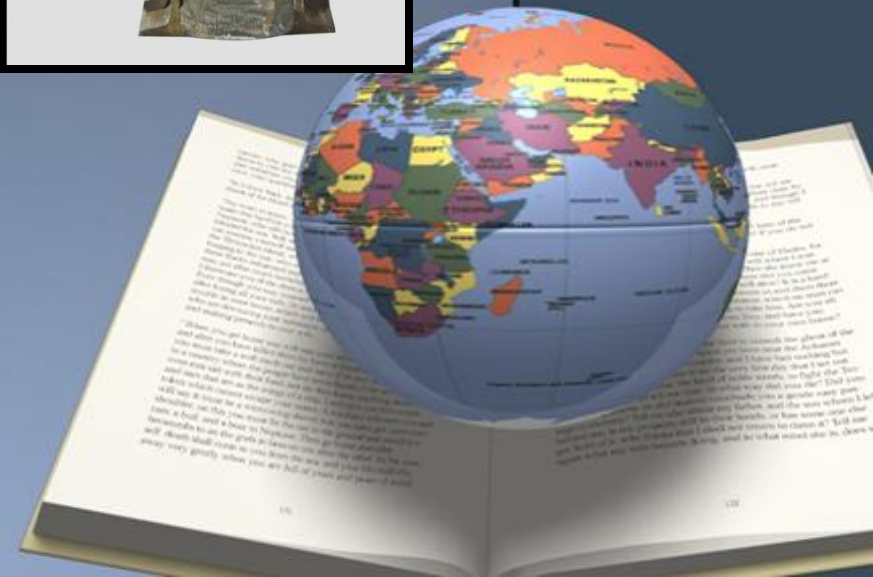


Freight Wagon Casub

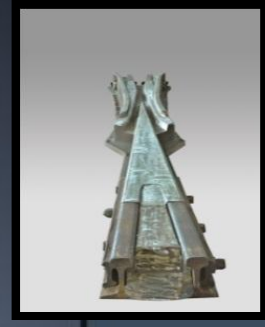
Frogs & Inserts (Manganese Steel)



Crossings for Tracks (Manganese Steel)



BEC in Exports





strengthening growth
BEC
BHILAI ENGINEERING
CORPORATION LIMITED



BEC in Mining



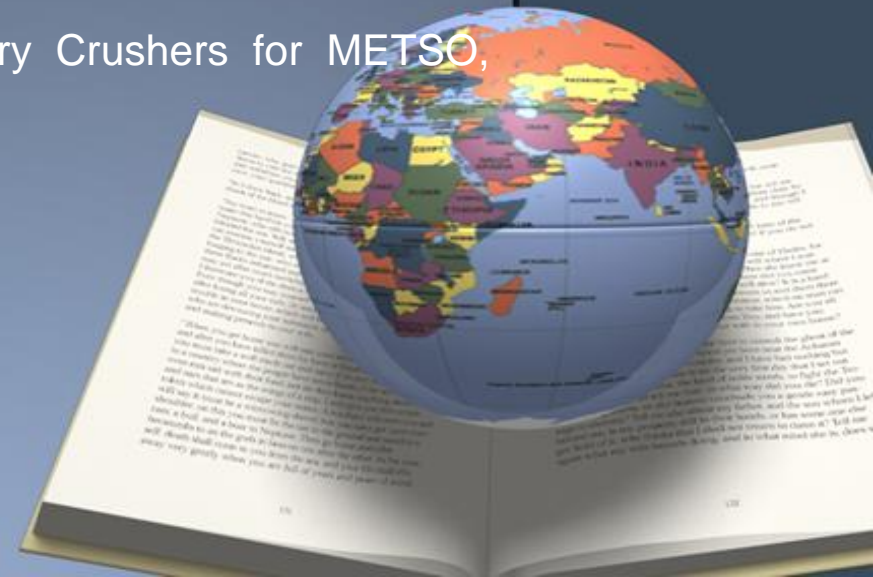
Mining Products

- **Shovels & HEMMS**

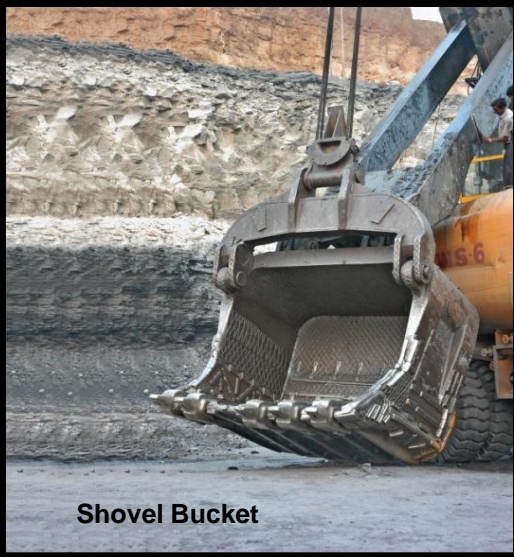
- Bucket Assemblies for P&H, MARION, EKG, HEC, BEML SHOVELS.
- Lip Castings, Front Walls, Dipper Assemblies from 4.6/5.0 cum to 20 cum for P&H, MARION, EKG, HEC, BEML SHOVELS
- Crawler Chain for Shovels.
- Tooth Assemblies and Integrated Tooth Points.

- **Crushers and Engineering Wear Parts**

- Bowl and Mantle Liners for Cone and Gyratory Crushers for METSO, NORDBERG, SVEDELA, HEC.
- Jaw Plate for Crushers .
- High Manganese and Alloy steel Wear Parts.



Mining Products



Mantle Liners

Track Pads

Beneficiation



Pallet Body Assembly



Pallet Body Castings



Miscellaneous



High Pressure Valves



Magnet Frame

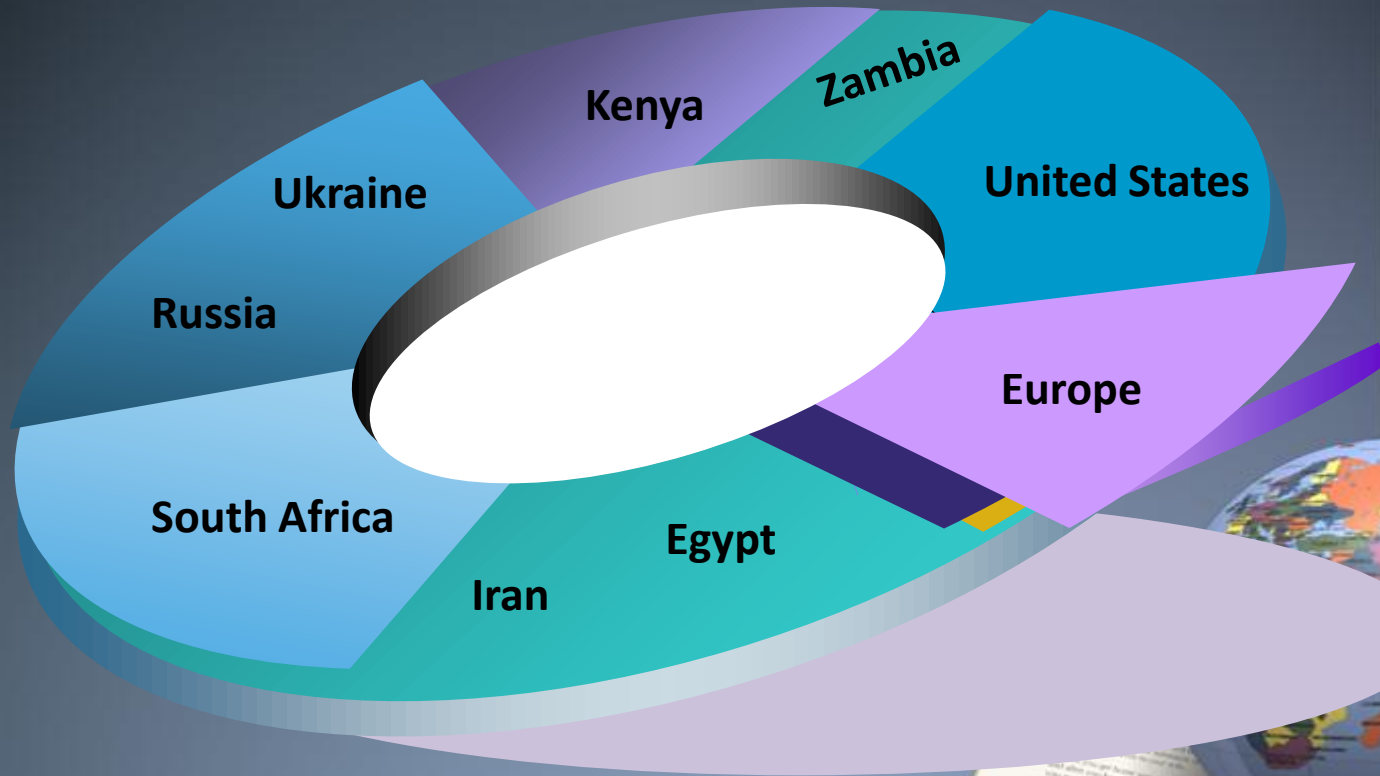


Recognitions & Certificates

- ISO 9001 – 2008
- RDSO (Research Design & Standards Organization, Railways, Govt. of India)
- DB (Die Bhan, German Railways)
- AAR (Association of American Railroads)
- Russian Railway Certification for Bogie Frame parts supply.
- Ukraine Railways Certification for Bogie Frame parts supply.
- Manufacturer of High Pressure Valve Castings
- Star Export House



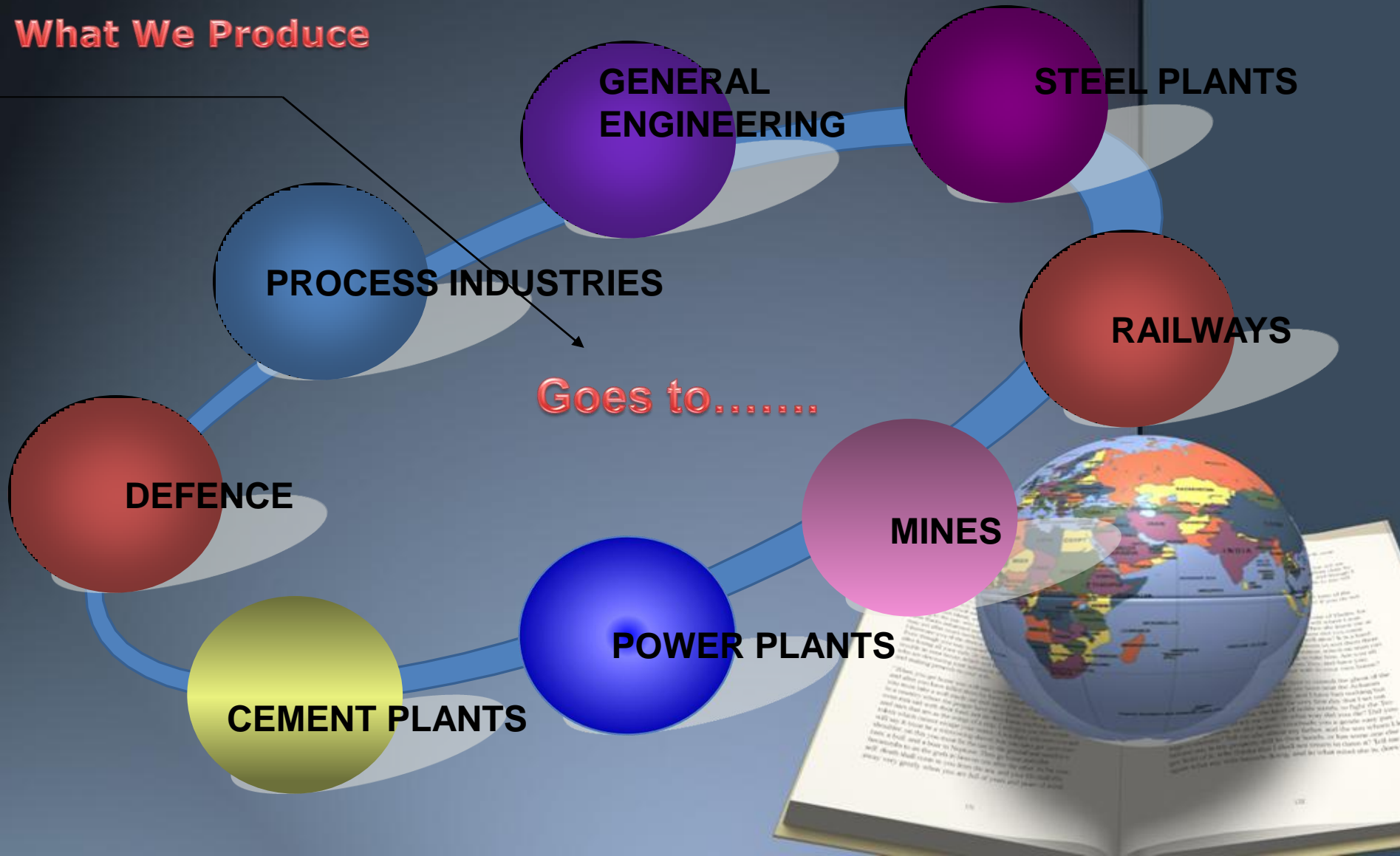
Global Customers



We are Industry leader who trust their reputation

Industries

What We Produce





Closing Remarks

1. High Value Castings

2. World Class Foundry

3. Qualified to supply Railways

4. Robust Export Performance

5. Specialized in Mining Spares

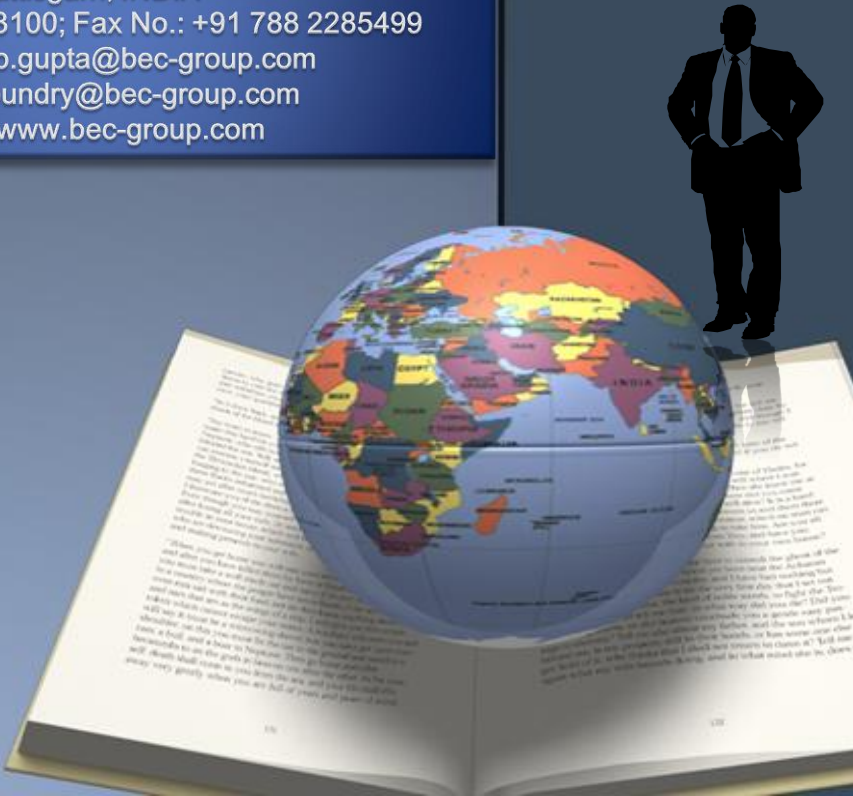
6. Highly Qualified Engineers

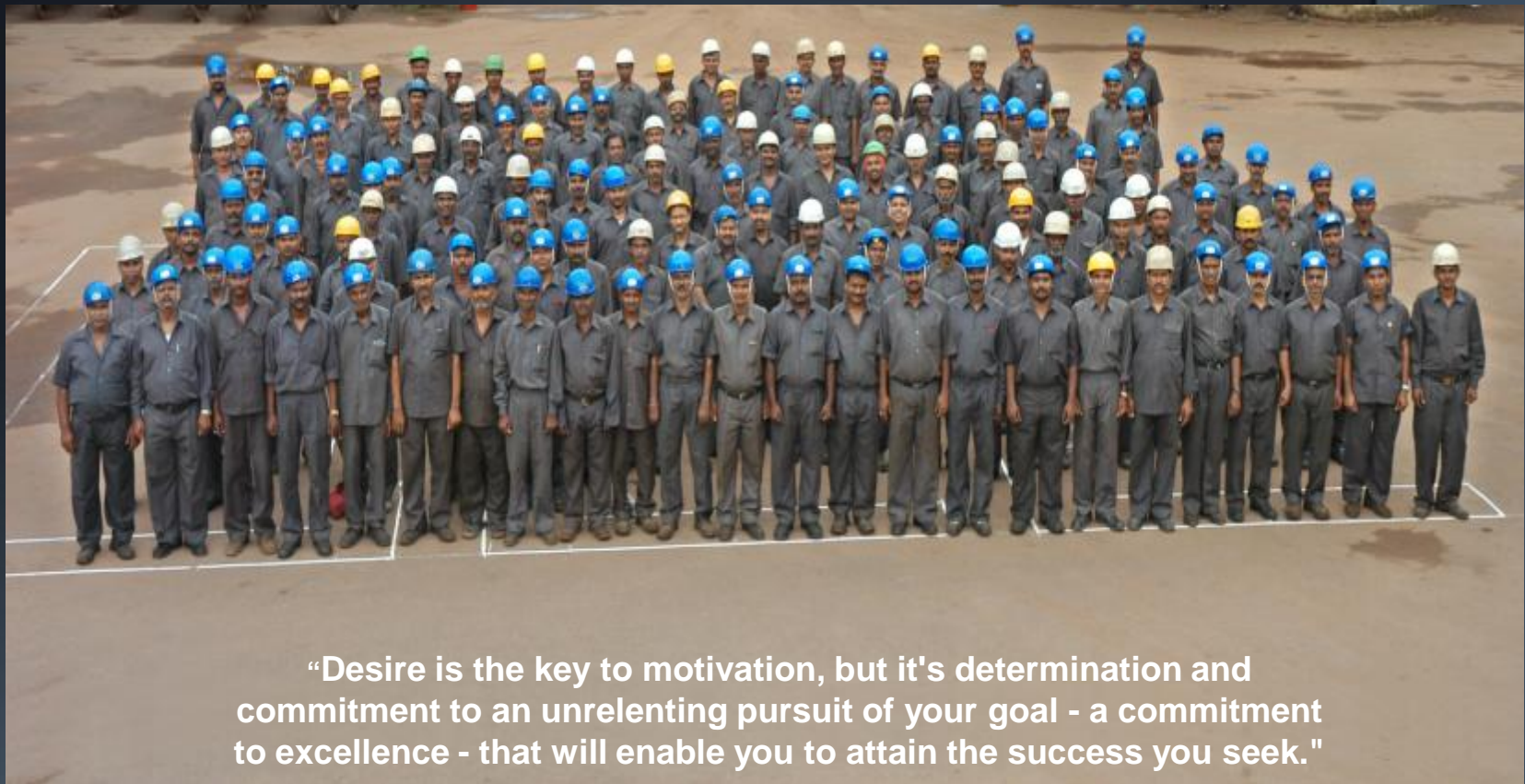
7. Professionally Managed Company



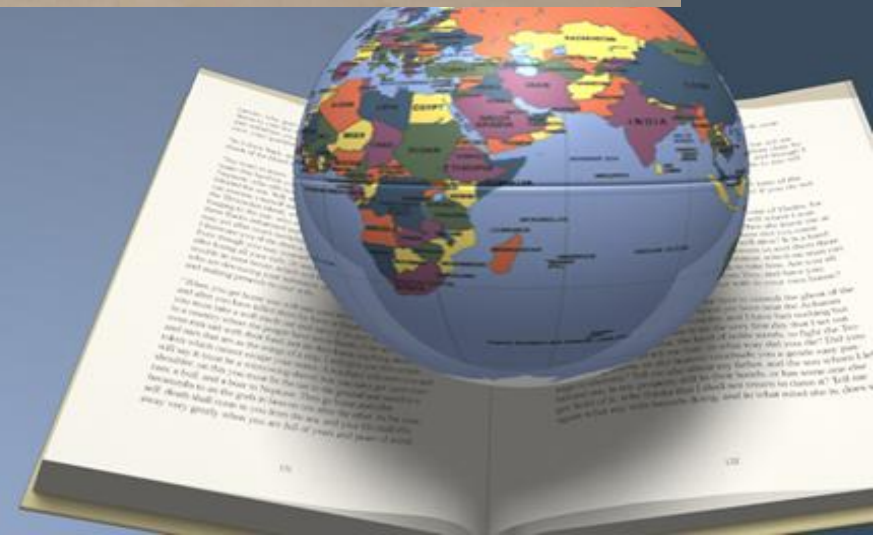
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“Desire is the key to motivation, but it's determination and commitment to an unrelenting pursuit of your goal - a commitment to excellence - that will enable you to attain the success you seek.”





strengthening growth

BEC

BHILAI ENGINEERING CORPORATION LIMITED.

