



**A LEGACY OF
PRECISION ENGINEERING EXCELLENCE.**
NURTURED AND STRENGTHENED





Thinking Precision Engineering?

THINK PENNAR
INDUSTRIES.

COMPANY PROFILE

Pennar Industries Limited has taken giant strides and carved a niche for itself in the field of Precision Engineering through its unrelenting desire to excel and decades of experience. An ISO certified company with ten manufacturing facilities across the globe, we are committed to achieving superior standards of quality, precision, and perfection.

Having established an identity as a Powerhouse of Engineering Excellence, Pennar Industries is driven to provide the best customer satisfaction with products and services that are par excellence.



MANUFACTURING, ENGINEERING AND WAREHOUSING FACILITIES

Pennar Industries has nine manufacturing facilities in India which are ISO 9001:2008 certified. Our overseas manufacturing facility is located in Portland, USA and a warehouse in Chicago, USA. The facilities include laser cutting, plasma cutting, heat treatment special processes, robotic welding, assembly lines (automated), transfer presses, and CNC machines that enable it to make products of very high quality. The Engineering Centers in Hyderabad and Vishakapatnam adds to our varied skill resources.

Pennar Industries endeavors to achieve 'Total Customer Satisfaction Through Total Quality Management' and is committed to producing and providing steel-based products and associated services of the highest quality to customers all over the world.

Pennar Industries has a dedicated team of well-qualified engineers who employ stringent quality control measures at every stage of the manufacturing process. The end-products are subjected to a battery of quality tests on various parameters to meet our rigorous checks based on customer specifications.

MANUFACTURING PLANTS

PATANCHERU - 2

ISNAPUR

VELCHAL

SADASHIVPET - 2

MALLAPUR

TARAPUR

CHENNAI

PORTLAND

TELANGANA

TELANGANA

TELANGANA

TELANGANA

TELANGANA

MAHARASHTRA

TAMIL NADU

TENNESSEE, USA

WAREHOUSES

HOSUR

CHICAGO

TAMIL NADU

ILLINOIS, USA

ENGINEERING CENTERS

HYDERABAD

VISAKHAPATNAM

TELANGANA

ANDHRA PRADESH



OUR HISTORY

Since its inception in the year 1988 as a Cold Rolling Steel company, we have diversified our expertise over the years to transform ourselves into a precision engineering conglomerate spanning Engineering Services, Construction, Engineering Design, Water & Wastewater Treatment Solutions, Solar and Aerospace.

Our growth sprint over the years testifies and reaffirms our value for excellence and sets benchmarks in Precision Engineering.

CHALLENGES OVERCOME

The Precision Engineering industry plays the important role of underpinning many other industries. Pennar Industries caters to the multifarious needs of the world's leading companies to solve unique technical challenges. In the current dynamic trend of shrinking product life cycles and increasing product mix and complexity, Pennar Industries has remained agile, adaptive and innovative.

Progressively, the company has levelled up to the production of higher value-added components; entailing investments in higher capital equipment, upgrading of the skill level of the workforce and the development of the necessary technical competencies.

A NEW ERA ERA ERA

ENTERING A NEW ERA OF TRANSFORMATION

Pennar Industries is driving the latest advancements in precision engineering to solve the world's most challenging and complex problems. Our engineers are using their expertise, ingenuity and discipline to meet new technical challenges, from research and development to plant scale-up and operations in a constant drive to set ever-higher standards of excellence.

CHAMPIONING



The 'P' denotes the initial of Pennar Industries that is a contemporary representation of a leaf. The negative space aiming towards an upward and forward single point perspective denotes precision and also has a deeper sub- connotation: the vein of a leaf that distributes water and nutrients to every part of the leaf - both the leaf and the vein are not mutually exclusive - one can't function without the other. This is representative of the people at Pennar Industries and its mission to be the pioneer in Precision Engineering. The single-point perspective represents all verticals under a unified Pennar Industries brand moving toward a common vision & objective, hence, progressing together. The 'P' also boldly represents all the objectives Pennar Industries stands for

PRECISION

PEOPLE

PROCESSES

PROFICIENCY

VISION

To build trusted, high-quality products and solutions in the Precision Engineering Industry that enhance the competitiveness of our clientele and improve the quality of life for people everywhere.



MISSION

To provide precision engineering and technical products and solutions that are responsive to our clients' needs in an innovative, cost-effective and professional manner with the highest quality

PARTNERS IN TECHNOLOGY

Today, we pride ourselves in being a technology-driven, value-added, engineering company. We possess a wide range of state-of-the-art manufacturing capabilities, as well as design strengths and intellectual properties. In addition, we constantly evaluate new technologies to invest in. We don't just offer products to our customers, we provide turnkey engineering solutions. We are highly client-centric, and work alongside our clients as technology partners – understanding their challenges, anticipating their needs and opportunities, and innovating customized solutions in a proactive manner. And that is why we are seen today as our customers' Partners in Technology.

CORE COMPETENCIES

01 LEADERSHIP FACTOR

A unique combination of talents and a bold vision for the future. Our greatest strength is our unique vision and the world-leading expertise of our leadership team. Our Executive Team drives the implementation of the company's strategy. Our Board provides the overarching support to the Executives to deliver a successful business for the benefit of shareholders, employees and our partners.

02 VALUE-ADDED PRODUCTS

The Company increased the proportion of value-added products in its revenue mix from 51% in 2006-07 to 90% in 2020-21, resulting in a higher margin-accretive product mix and improved realisations.

03 HIGH-GROWTH MARKETS

The Company focuses on high-growth sectors of the Indian economy, such as infrastructure, railways, construction and automobiles, which the government has prioritised for increased investments.

04 BLUE-CHIP CLIENTS

The Company has a blue-chip client roster, which includes TATA Motors, L&T, Ashok Leyland, ABB, MRF, Schneider Electric, Tata, Kirloskar among others. The five leading clients accounted for 25% of the Company's revenues. The PEBS division developed prestigious customers such as L&T, Ultratech Cement, Dr. Reddy's Labs, My Home Group, Reliance Retail and others.

05 PEOPLE STRENGTHS

The Company has over 4800 employees with a cumulative experience of over a million person-days, resulting in expertise in different fields.

06 DIVERSIFIED PRODUCT MIX

The Company's portfolio comprises over 1,000+ products, across diverse sectors such as railways, automobiles, general engineering, building and construction among others, thus de-risking the business.

07 STRONG FINANCIALS

The Company possesses a strong balance sheet with low gearing providing it room for additional borrowing whenever needed.

08 TECHNOLOGY-DRIVEN

The Company has a strong technology focus. It has invested in state-of-the-art manufacturing facilities comprising laser cutting, plasma cutting, transfer presses and CNC machines, resulting in customised product manufacture. Besides, the Company created a repository of over 2,500+ tools and dies, enabling it to manufacture a large product portfolio.

09 QUALITY FOCUS

The Company is committed to provide quality products to customers. All manufacturing units are ISO 9001:2008-certified, resulting in a high-quality discipline.

OUR BUSINESS

SERVICES

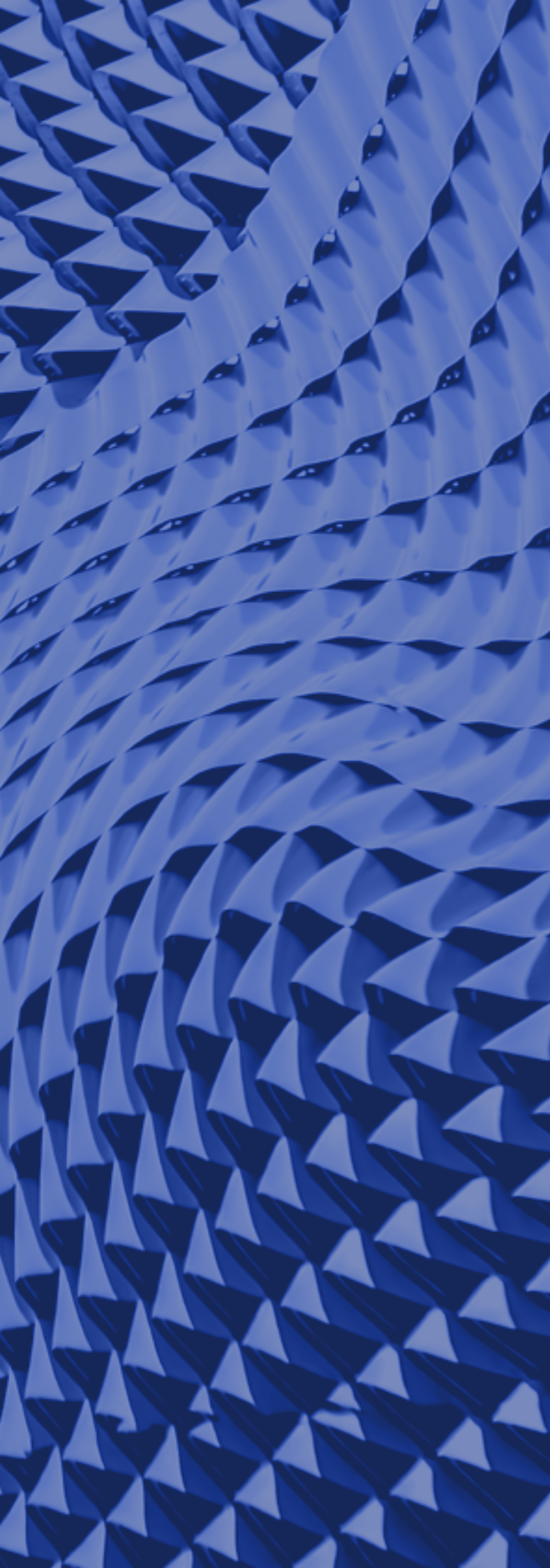


PRODUCTS



PROJECTS





SERVICES

STRUCTURAL ENGINEERING SERVICES
BIM (BUILDING INFORMATION MODELLING)
PLANT-PRODUCT ENGINEERING SERVICES
INDUSTRIAL AUTOMATION
DIGITAL CONSULTANCY (IOT) &
VALUE ADDED SOLUTIONS

STRUCTURAL ENGINEERING SERVICES



STRUCTURAL DETAILING

Pennar Industries offers a quick, error-free complete line of detailing services using the latest version of Tekla Software, AutoCAD and customer proprietary software

PEB DESIGN

Pennar Industries offers Design of Pre-Engineered steel Buildings with AISC, MBMA, AISI, AWS, ASD and LRFD standards and practices using software like Staad Pro, MBS and customer proprietary software

CONNECTION DESIGN

Pennar Industries facilitates structural steel connection design & engineering support and provide complete detailed drawings for a wide variety of projects across the globe.

ESTIMATION OF PEB & STRUCTURAL STEEL

Pennar offers Estimation (Quantity take-off) of PEB and Structural steel projects to help the customers in preparing the budgets and arrive at the project costs or BOM
Our estimation includes:

1. Structural Material Take-Off
2. Miscellaneous Take-Off
3. Advanced Bill of Material

PROJECTS WORKED INCLUDE

- Schools
- Hangars
- Warehouses
- Commercial Buildings
- Industrial Buildings
- Residential Buildings
- Institutional Buildings
- Offices
- Retail Stores
- Shopping Centers
- Wastewater Management Plants
- Industrial Plants
- Convention Centers
- Stadiums



BIM (BUILDING INFORMATION MODELLING)



It is important for CAD architects to understand the concept of building design for public infrastructure. We offer a suite of Virtual and Design Construction expertise to clients.

PENAR COLLABORATES & WORKS ACROSS VARIOUS CONSTRUCTION PROJECTS RELATED TO

- Commercial and High-Rise Buildings
- Production Facilities
- Data Centres
- Health and Educational Constructions
- Industrial and Distribution

While designing a new facility, Pennar works on intricate details and specifications according to construction plans. We classify critical processes, raw materials, resources, value supply chains to create appropriate digital models of proposed buildings. As digitization is essential, the latest CAD software is used to generate multifaceted BIM apparatus. Our experience across industries assists clients to visualize the final structure through automated 2D and 3D CAD drawings.

PENAR INDUSTRIES BIM SERVICES

CONSTRUCTION BIM

- 3D Modelling and Shop Drawings – Architectural / Structural / MEP
- Clash Detection and Resolution
- Quantity Take Off – 5D
- Rebar Modelling and Drawings
- Construction Simulation – 4D

SCAN TO BIM / CAD

- Point Cloud Data Conversion to BIM
- As-Built Validation / 3D Models / Drawings / Documents
- 360° Panoramic Views

CITY MAPPING

- Digital Twins
- IoT

FACILITY MANAGEMENT

- Facility Management
- Asset Management
- Preventive & Predictive Management (7D Stage)
- Occupancy Management
- Construction Operations Building Information Exchange (COBIE)

CAD API PROGRAMMING

- Design Process Automation
- Drafting Automation
- Macros Development
- API and Toolbar Customization
- User Interface Creation

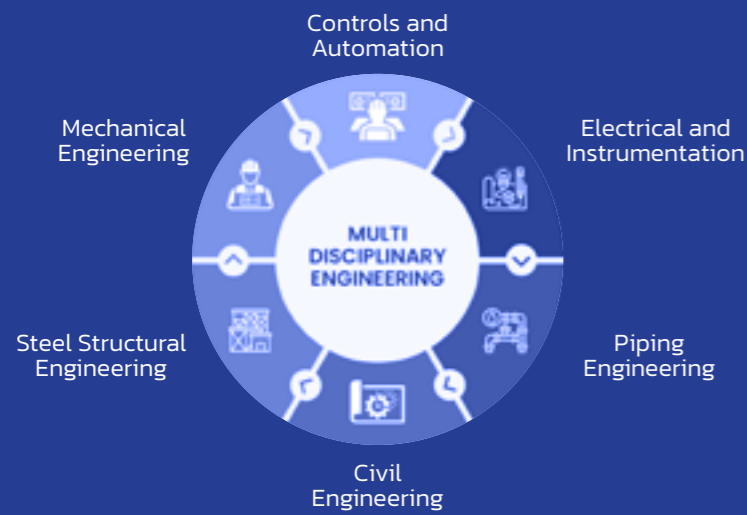
INFRASTRUCTURE BIM

- Infrastructure Modelling and Drawings

Construction Modelling | Automated Estimating | Automated Purchasing | Automated Specifications | Family Creation

PLANT & PRODUCT ENGINEERING SERVICES

Product engineering keeps changing and it is important to have a competent team to provide services related to rapid changes and developments. Choose Pennar as a strategic partner for upgrading your legacy systems and transforming plant productivity.



ELECTRICAL AND INSTRUMENTATION

- Library Creation
- Single Line Diagram
- Hook-up Drawings
- Schematics Preparations
- Layouts – Cable trays, Earthing & Lightning
- Calculations – Load and Power
- Loop Schematics

PIPING ENGINEERING

- Supports & Hangers
- Piping General Arrangement (GA)
- Piping Isometrics/ Spool Drawings
- Stress Analysis Report
- Parts list/ BOM/ MTO

CIVIL ENGINEERING

- Construction Drawing preparation
- CAD conversion
- Foundation drawings preparation
- MTO / BOM preparation

STEEL STRUCTURAL ENGINEERING

- Design and Analysis
- Steel Detailing and estimations
- Structural Steel connections drawings
- Rebar estimation and detailing
- Precast estimation and detailing

MECHANICAL ENGINEERING

- HVAC and Firefighting system Detailing
- Component Sizing and Selection
- Process Equipment
- Equipment Data Sheet

CONTROLS AND AUTOMATION

- HVAC and Firefighting system Detailing
- FAT / SAT / Testing services
- PLC / DCS Programming



APPLICATION PORTFOLIO

ONSHORE

- Oil / Gas Gathering Stations (OGS/GGS)
- Early Production Facilities – (EPF)
- Refinery Units
- Petrochemicals facilities
- Tank farms / Terminals

OFFSHORE

- Offshore Platforms
- Jack up Rings
- Mobile Offshore Production Unit
- (MOPU) – FPSO, Semisubmersible
- Mobile Offshore drilling unit (MODU)

PIPELINE & TRANSPORTATION

- Compressor & Metering Station
- Pump Station
- Pig Launcher /Receiver
- Pipeline Control Room
- Terminal Automation (Truck, Rail, Ship)

MODULES

- Chemical Injection Systems
- Metering Systems
- Clean in process skids
- Fire & Gas Modules
- MEG/TEG Modules
- Air Separation and Hydrogen Generation Units Pressure

STATIC

- Pressure vessels
- Heat, Shell & Tube Exchanger
- Air Cooled Heat Exchanger
- Hairpin Exchanger
- Finned Tubes
- Boilers

INDUSTRIAL AUTOMATION

Pennar Industries specializes in design engineering and provides Integrated turnkey industrial automation solutions based on state-of-the-art PLC-SCADA-DCS and other operation technologies. In addition, we provide customized industry specific software interface technologies (IT-OT platform). We offer these specialized solutions across multiple industries that includes- Oil & Gas, F&B, Automotive, Agriculture, FMCG, Infrastructure and Utilities, Mining and Minerals, Metals, Energy, substation automation, HVAC, standalone machines, skids etc. We are the preferred engineering partners for Original Equipment Manufacturers (OEMs), Engineering, Procurement and Construction (EPC) organizations, System Integrators and Solution Providers, process and production companies covering a wide range of industries and applications including the following services:

- Automation solutions
- Electrical & Control panels
- Operation technology-based solutions
- Services

Among the automation systems and software manufacturers, our company collaborates with the following

PLC	DCS
SCADA	CNC/Robotics



DIGITAL CONSULTANCY (IoT)

& VALUE ADDED SOLUTIONS



Our approach to a digital solution is constructive and framework based where we form an integrated team of technological experts, data scientists and program managers. With this framework of approach we offer various industrial solutions where we are a part of the 4th Industrial revolution and also delight customers.

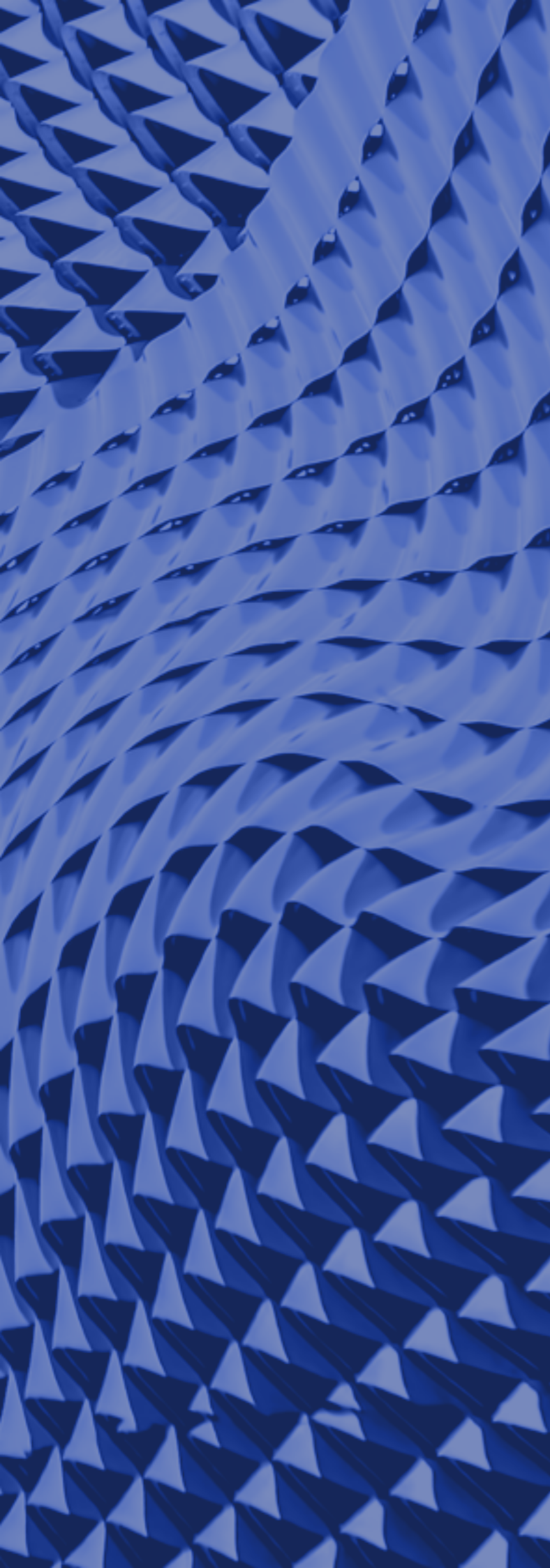
OUR VALUE-ADDED SOLUTIONS INCLUDE

-  Application Development
-  Big Data Analytics
-  Real-Time Analysis
-  Predictive Maintenance
-  Quality Testing Service

With 25+ years of experienced Subject matter experts (SME's) we understand the practical industrial problems where there is a need for new products that can replace the existing and conventional products and also enable your revenues with our AR/VR solutions.

OUR VALUE-ADDED SOLUTIONS INCLUDE

-  New Product Development (NPD)
-  Value analysis and Value engineering (VAVE)
-  AR & VR solutions for marketing collaterals



PRODUCTS

INDUSTRIAL COMPONENTS

HYDRAULICS

SOLAR PANELS

AEROSPACE MACHINED COMPONENTS

AUTOMOTIVE/ MANUFACTURING ENGINEERING

STEEL PRODUCTS AND PROFILES

RAILWAY SUB ASSEMBLIES

PRECISION TUBES

INDUSTRIAL COMPONENTS

Pennar Industries is the leading player in India for Industrial High Precision Engineered Steel Components in the organized sector specializing in the development of critical safety and high-performance components for domestic and international markets.

With our in-house capabilities for Prototyping and development, we work closely with our customers to produce customized products for the following sectors

 Automobile / Off high / Recreational vehicle

 White Goods

 General Engineering Industries

A wide range of operations such as Blanking, Piercing, Drawing, Deep Drawing, Welding, Turning, etc. all under one roof with controlling access to raw material enables us to deliver products with quality and consistency, "FIRST TIME RIGHT EVERY TIME".

WITH A STRONG CUSTOMER-CENTRIC, APPROACH WE CONTINUOUSLY STRIVE TO ACHIEVE MANUFACTURING EXCELLENCE THROUGH

- In-house tool maintenance facilities that ensure high-precision quality products
- Fully equipped with Standards Room for quality with world-class equipment
- Control in-house raw material processing and conversion facility
- Best in-class manufacturing process



HYDRAULICS



With more than a decade of experience in design, engineering and manufacturing of Standard and Customised hydraulic cylinders, Pennar Industries Hydraulics has generated comprehensive technical know-how to cater to varied applications to the global markets.

WE SERVE STANDARD AND CUSTOMISED CYLINDERS FOR

-  Agriculture and Farm Equipment
-  Industrial Hydraulics
-  Construction Equipment
-  Material Handling
-  Refuse Disposable Equipment
-  Truck Hydraulics
-  Hydraulic Applications like Pitch Cylinders for Windmills, Mining Equipment, Rescue Equipment and Marine Offshore Applications

OUR SKILL SET

- The ability to conceptualize and design complex and large size cylinders for different applications.
- High Professional 3-D Modeling Tools such as CREO, AUTO-CAD.
- Capable technical team to bespoke customer design & meet customer requirements first time right.
- Demand Flow and Continuous Flow Manufacturing techniques which help to meet customer requirements on time.
- Strong supply chain network that spans to USA, Taiwan, China, Romania, Italy and Singapore giving us a competitive advantage on global sourcing and procurement.
- Pennar has supplied over 200K cylinders to the USA and Europe building trust and a long term relationship.

SOLAR PANELS

Pennar Industries has set up a 2 Lakh Sq.ft. State-of-the-art photovoltaic solar module manufacturing facility in the year 2019 located in Sadasivpet Mandal of Sangareddy district in the state of Telangana (India) with an annual production capacity of 250MW per annum manufacturing Polycrystalline, Monocrystalline & Bifacial Photovoltaic Solar Modules ranging from 315Wp. to 400Wp. Tested and Certified by TUV Rheinland complying with the relevant IEC & BIS Standards. We are an ISO 9001 certified facility which has been successfully audited by the National Institute of Solar Energy (Govt. of India) and certified under approved ALMM supplier.

We have manufactured & shipped more than 200+MW of Solar Modules to 70+ Happy Customers installed at 500+ Sites to date performing exceptionally very well.

We have our headquarters in Hyderabad along with our Sales Offices in Delhi, Mumbai & Ahmadabad with a team of 200+ professionals.



AEROSPACE MACHINED COMPONENTS

Pennar Industries has a dedicated Aerospace manufacturing division that serves Export/Import customers with its world-class manufacturing capabilities. Established in 2019, the division has made a name for itself in the list of top suppliers in India. The division is listed in Trade India's list of verified sellers offering supreme quality.

The manufacturing unit is in Hyderabad, Telangana and strategically located very close to the outer ring road and can access the entire industrial park in Patancheru, Hyderabad. Our management team is well experienced and exposed to handling both export and import orders from across the industry.

Our capabilities include 3-axis and 5-axis machining services upto 1M which can produce 5-micron tolerances, state-of-the-art Carl Zeiss CMM, Wire cut, EDM alongside a few conventional machineries. In the pipeline is also a cleanroom setup which will add structural and mechanical assemblies to our capabilities list.


Apart from cutting materials like Aluminium and Steel, we are also pioneers in cutting exotic materials like Titanium, Inconel and Tungsten.



AUTOMOTIVE/ MANUFACTURING ENGINEERING

AUTOMOTIVE & DISCRETE

We have been working with multiple industry players of Automotive, Heavy-Off highway vehicles and Warehouse industry especially with Tier-1, Tier-2, Machine builders, OEMs, Solution providers and System integrator companies.

-  Automotive
-  Heavy Engineering
-  Warehouses
-  Trucks
-  Off-Road Vehicles

CAD TOOLS

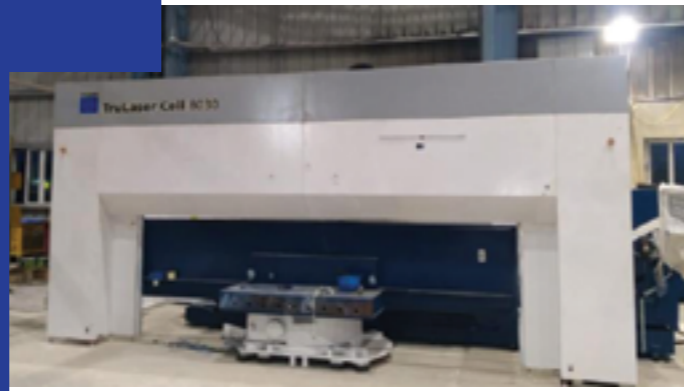
CATIA V5, V6, UG-NX, DELMIA, Process Simulate & Rob CAD

CODES

ASME, ANSI, API, EU, DIN, IS, ASTM, NORSOK, BS & IS.

OEM STANDARDS

GM, BMW, VW, Audi, Chrysler, Opel, Daimler, Volvo & Tesla



BIW

The car body's sheet metal component called Body-in-White(BIW) is welded together with the skeleton of the car body. We provide major sub-assemblies which include Upper Dash Panel, A Pillar, B Pillar, Tunnel, Front Floor, Rear Floor, Side Sill, Rail Roof, Wheel Arch, Quarter Panel, Rear Combi Lamp, Fuel Housing, Heel Panel, Cross Member, Intrusion Beam & Door Waist Inner all of which constitute the upper & underbody of a passenger car. These not only define the shape and design of the car but also play a prominent and defining role in the overall safety of the vehicle.

Pennar Industries engineers all of the above sub-assemblies incorporating the latest technologies to develop 'high strength-low weight' solutions for cost-effective product development. Our manufacturing capabilities include the latest state-of-the-art technology including Heavy Press Shop (HPS up to 1200 Ton) & Hot Stamping Line with Robotic Welded Cell which meets global quality standards from its new plant in Chennai. Pennar Industries also offers tool development and manufacturing with a state-of-the-art tool room. Pennar Industries currently supplies to one of the largest car makers in the world – STELLANTIS.



STEEL PRODUCTS AND PROFILES

Being one of the first companies to venture into the narrow cold rolling and profiles business in India, Pennar Industries leverages this innate advantage to offer its customers the widest range of profiles to choose from. We are the market leaders in terms of capacity and variety of profiles with a production capacity of 240,000 MT per annum, with a significant footprint all across Asia.

A leading provider of Steel Solutions, Pennar's Steel Products and Profiles division manufactures

- **Cold Rolled Steel Strips (CRSS) from a variety of grades of steel including special steel and**
- **Cold Roll Formed Sections (CRFS) that find application in**
 - Building Components and Infrastructure
 - Automobile Profiles
 - Metal Crash Barriers
 - Sheet Piles
 - ESP Electrodes

CUSTOMER BENEFITS

- Ability to mass produce a wide range of complex profiles for the industrial and infrastructure sectors
- Expertise and experience in working with special grades of steel
- Niche application support
- In-house tooling and manufacturing facilities for new products resulting in shorter go-to-market cycles
- Multi-locational manufacturing facilities equipped with best-in-class facilities



RAILWAY SUB ASSEMBLIES

With public transportation facilities assuming greater significance by the day, the requirement of the Indian Railways for Rail Coaches is growing exponentially and being the mainstay of large scale goods transportation, so is the need for Railway Wagons. Pennar's Railways business has been catering to the requirements of the Indian Railways for over 2 decades. With a dedicated manufacturing facility for this industry, we are a leading Part 1 supplier for the Indian Railways.

Pennar Industries provides several critical structural and stability components for goods wagons and passenger coaches. With RDSO & RITES certification for manufacturing facility as well as products, we are a preferred supplier for this sector, which is a veritable lifeline for India.



PRECISION TUBES

With steady growth in the Auto sector, usage of Farm Equipment, Earthmoving equipment, need for Infrastructure & Exports, the Pennar Industries Tube division has seen steady and continuous growth for the last 12 yrs. It has a dedicated manufacturing facility producing around 50,000T/annum ERW, 20,000T/month CDW, 2000T/annum Stainless Steel ranging from 10mm to 127mm in diameter. Pennar Industries Tubes Division serves most Automobile customers like M&M, Hyundai, Ford, Toyota, Ashok Leyland, TATA, KIA, VECV, TVS, Bajaj, RE etc. It is also a key player for Textile equipment, hydraulic cylinders manufacturers and the Power Sector. With an overall revenue of 20%, Pennar Industries Tubes is exporting across continents from USA to Europe & Australia to Africa.

Providing our customers the utmost quality products being one of our key focuses, we meet all stringent quality standards with all the tube mills having an online ECT Certification. Our Plant is IATF 16949 certified and is well known as a top-tier tube manufacturer from the central boiler board while meeting IMS standards for safety/environment. A dedicated testing facility for Destructive/Non-Destructive testing is available as well as a facility for Mechanical parameters that have Microscopy and Spectrometer units.

FEATURES

High strength R.M upto
YS 750 Mpa

Mirror finish

Controlled micro-level
dimensions

Different geometrical
profiles

Non-corrosive

Environment friendly

APPLICATIONS

Auto sector

Textile

Energy sector to IBR/APH

Hydraulic Cylinders

Gen Engineering

Europe : BS EN10305 -2/BS EN10305-3/DIN 2393

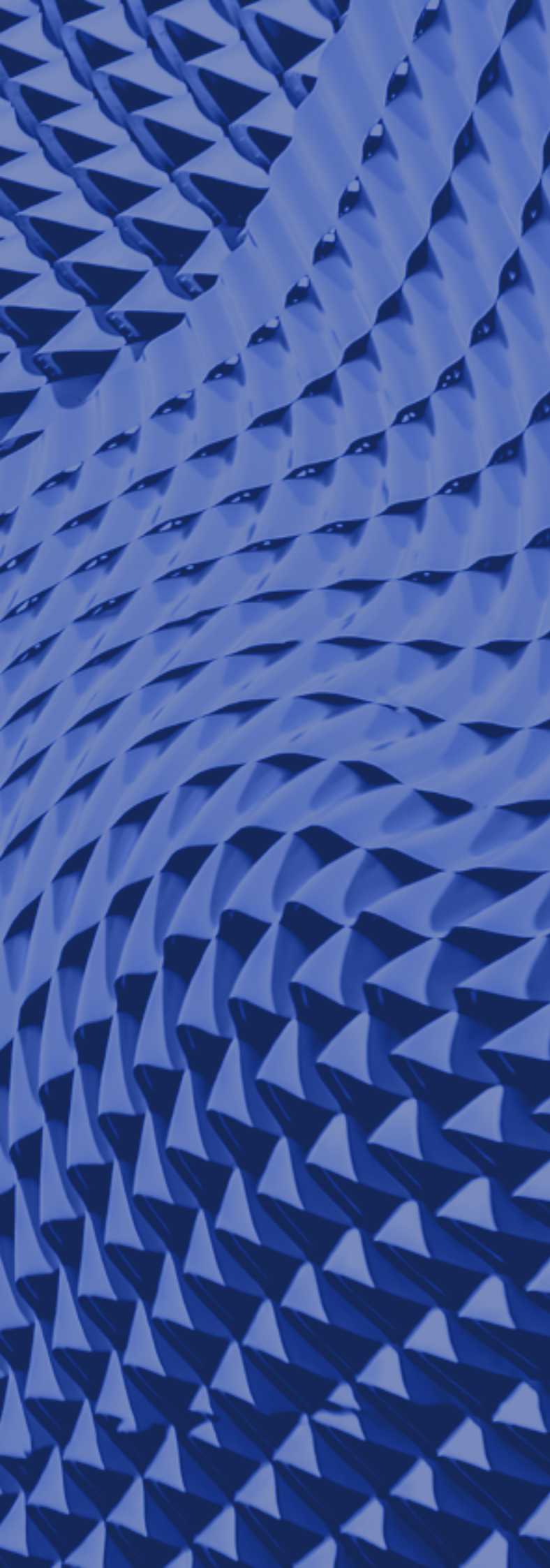
American : ASTM A513 & J525

Indian Standard : IS 3074/4923

Japanese : JIS G3445

**TUBES TYPES
MANUFACTURED
BY PENNAR**

ERW Tubes
CDW / DOM / CEW Tubes
Precision Tubes
Bicycle Frame Tubes
Steel Tubes for Automobile
Engineering Tube
Boiler Tubes
Heat Exchanger Tubes
Propeller Shaft Tubes
Transformer Tubes
Fuel & Air Tubes
Automotive Shock Absorber
Furniture Tube
Structural Tubes
Telescopic Front fork Tubes
APH & IBR



PROJECTS

PRE ENGINEERED BUILDINGS

WATER TREATMENT

SOLAR STRUCTURES

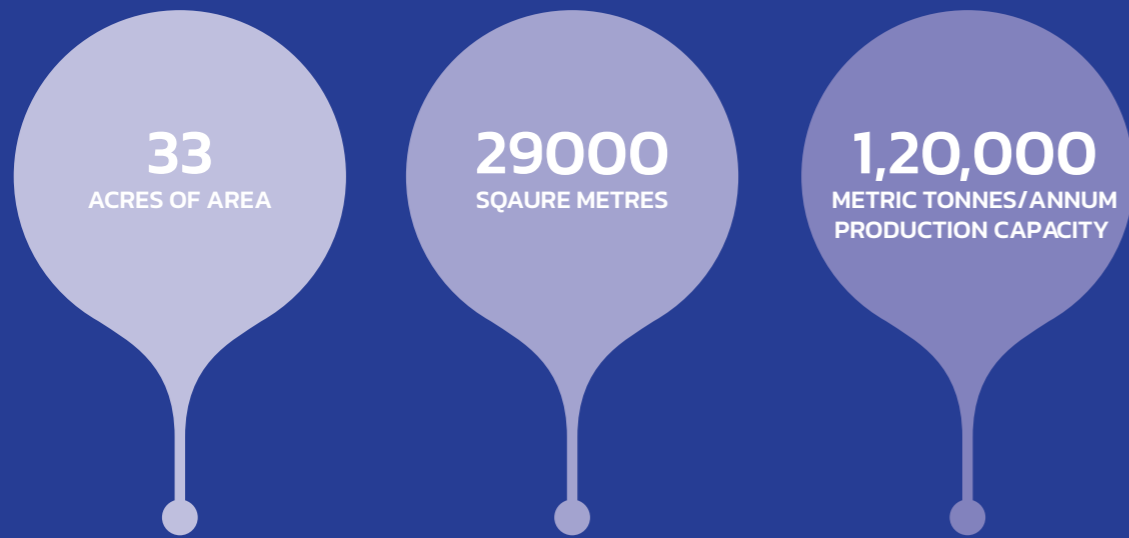
PRE ENGINEERED BUILDINGS

At Pennar, we think, we imagine and we engineer things with nerves of steel.

The PEBS vertical has emerged as one of the leading players in design, manufacturing, supply and installation of pre-engineered buildings and components, structural steel products catering to all types of Industrial/ Commercial/ Institutional applications.

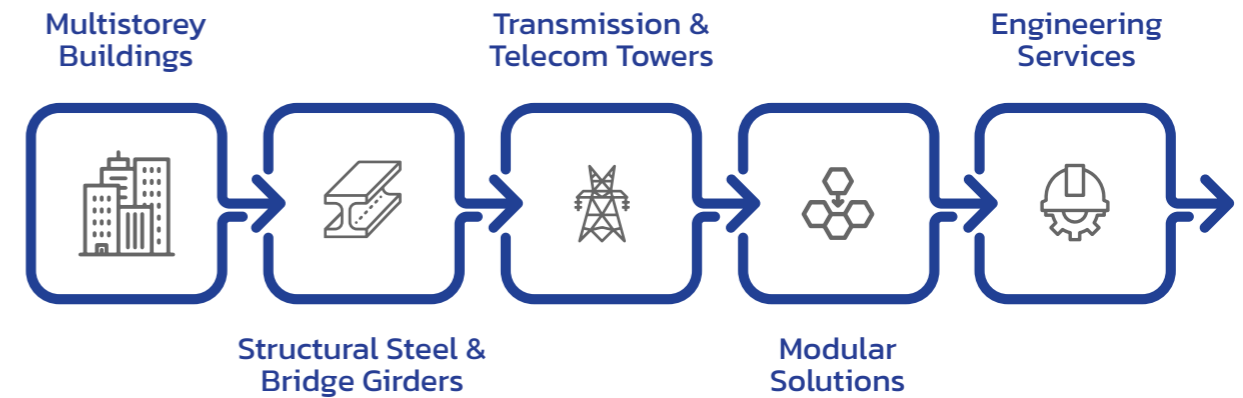
Known for its streak of excellence, Pennar Industries, an ISO 9001:2015 Company, covers a wide spectrum of application areas. PEBS has brought innovation, design distinction, international expertise and above all, global quality to every customer who aspires for technological and structural superiority.

MANUFACTURING FACILITY NEAR HYDERABAD



OTHER PRODUCTS

As diversification is the key for sustainability, the division has diversified itself into different segments and marked its presence in the following sectors.



OUR CLIENTELE

Contractors-Architects
Fabricators-Consultants
MEP Contractors
EPC's

OEM's
Fabricators
Engineering Consultants
System Integrators.

WATER TREATMENT

The Enviro Business Unit of Pennar Industries Limited is a leading solutions provider in the domain of Industrial Water & Waste Water Treatment.

The range of offerings consist of raw water treatment, Reverse Osmosis, Desalination, Effluent Treatment, Sewage Treatment, Recycling & Zero Liquid Discharge Plants.

As a part of its offerings in the water treatment domain, Pennar Industries – Enviro BU manufactures and supplies their branded water treatment chemicals. These range of chemicals include Boiler Water Treatment chemicals, Cooling Water Treatment Chemicals, RO Antiscalants and various other water treatment dosing chemicals. The product range of chemicals also include fuel additives both for liquid and solid fuels in order to enhance the performance of customer's equipment.

Enviro BU specialised services include Operation and Maintenance of Industrial Water and Wastewater Treatment Plants. The expert services deployed by Pennar Industries under these O&M contracts ensure optimum plant efficiencies and uptime for customers.



SOLAR STRUCTURES

Pennar Industries manufactures Solar Module Mounting Structures to support the Solar PV panels. The structures and structural component manufacturing capacity of Pennar Industries currently stands at 60,000MT per Annum which translates to approximately 1000MW worth of Solar capacity. We also have an in-house tool room that caters to the requirements of projects with various sectional requirements. These unmatched features have enabled us to service the requirements of various customers, thus establishing us as the market leaders in Solar Module Mounting Structures.

The biggest advantage that customers have in choosing Pennar Industries for their Solar Module Mounting Structures is the strategic location of manufacturing plants. Our plant at Tarapur is close to the epicenter of Solar projects in Gujarat & Rajasthan, while our plants in Chennai, Patancheru & Isnapur can cater to markets in AP, Tamil Nadu, Orissa, Karnataka and other neighbouring states.

PENNAR INDUSTRIES'S SOLAR MODULE MOUNTING BUSINESS OFFERS OUR CUSTOMERS SOME CHARACTERISTIC BENEFITS

Large manufacturing capacity that enables quicker delivery

A vast spectrum of sectional dimensions and thickness, due to our in-house tooling facility

Reduced overall cost of structure and in turn reduced cost of solar power project

Optimization of mounting structure weight

PENNAR INDUSTRIES CATERS TO THE STRUCTURAL REQUIREMENTS OF VARIOUS CATEGORIES SUCH AS

- Solar Parks
- Grid Connected Solar Projects
- Off the Grid Solar Projects
- Roof Top Solar Projects
- Captive Solar Power Plant

We Supply Structures To Most EPC Companies, Project Developers, Independent Power Producers, Captive Power Units For Commercial & Industrial Entities, And Several Others.



Solar EPC Solutions

MMS Design & Supply

Civil Foundation Works

Structure & Module Erection

Electrical Works On DC & AC Side

Fixed & Seasonal tilt structures

Supplied & Executed around 1.5GW ground mounted solar

structures all over India

Manufacturing facilities at Patancheru, Sadashivpet, Isnapur,

Velchal & Tarapur locations

Manufacturing capacity of 60,000 MT per year

SUBSIDIARIES

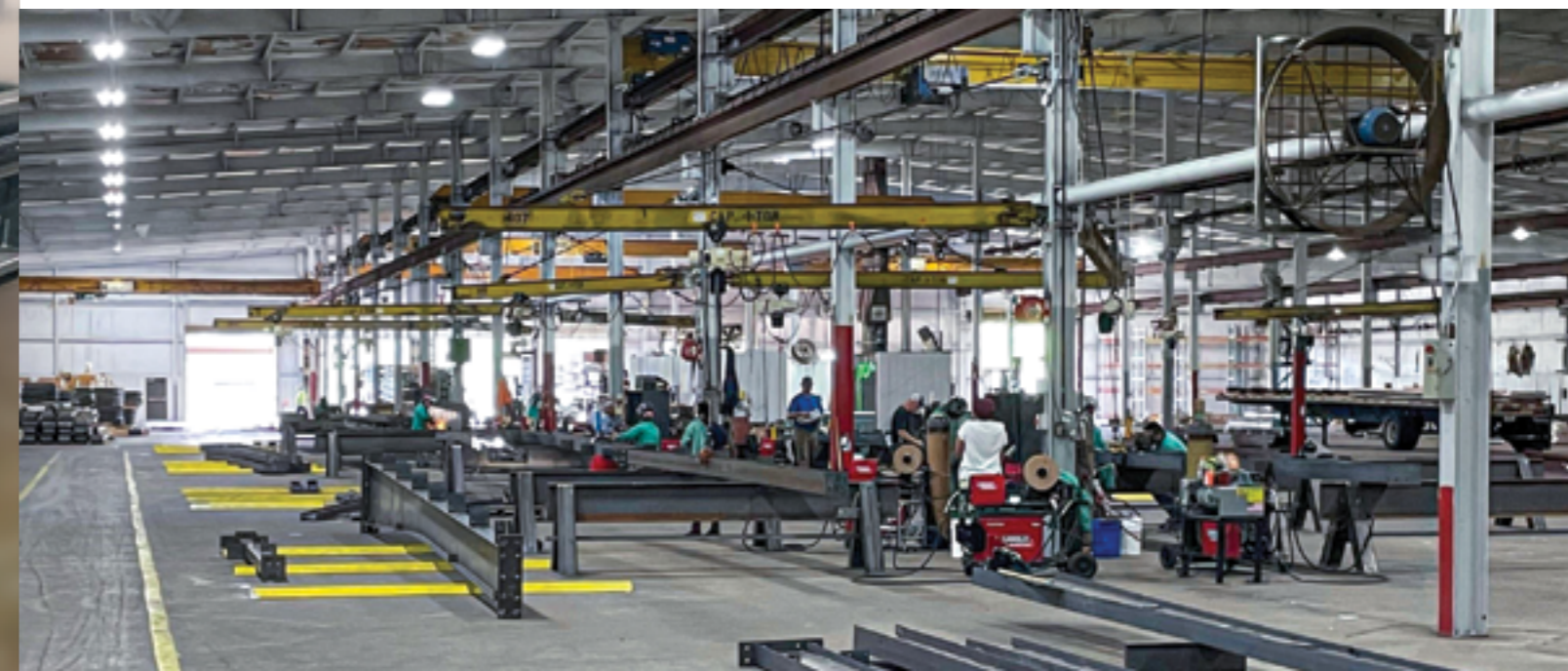
PENNAR GLOBAL

Pennar Global Inc (PGI) is based out of Houston, USA, with its clients spanning across the United States of America. Tapping into manufacturing and engineering capabilities of Pennar Industries, PGI is marketing and supplying various products and services of Pennar Industries such as Hydraulics, Precision Tubes, Engineering Services etc.

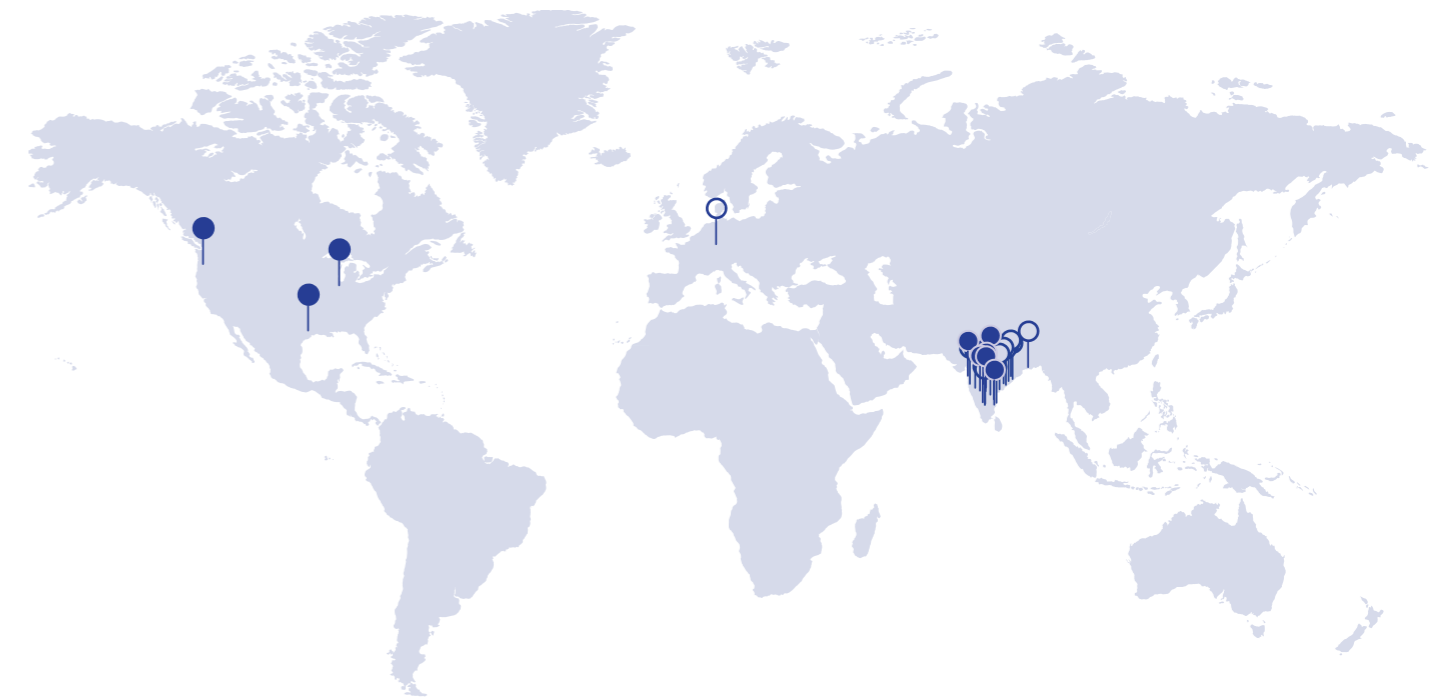
PGI has started a PEB manufacturing facility in Portland, Tennessee, to manufacture and sell metal buildings across the USA. The company has set up a strong distribution network to supply its various products

PENNAR GMBH

Pennar GmbH is headquartered in Bad Homburg, Germany. The company provides engineering services to our European clients. We are expanding our portfolio to provide products and services for the Aerospace, Automotive, Energy, Oil & Gas, Building and Infrastructure sectors.



GLOBAL NETWORK



 Manufacturing Plants  Sales Offices

REGULAR BRANCHES

AURANGABAD

AMBATTUR

BANGALORE

CHENNAI

COIMBATORE

PUNE

KOLKATA

HOSUR

RETAIL BRANCHES

VISAKHAPATNAM

RAJAHMUNDRY

TADEPALLIGUDEM

VIJAYAWADA

NELLORE

TIRUPATHI

KAKINADA

KARIMNAGAR

MANUFACTURING UNITS & WAREHOUSES

PATANCHERU - 2

ISNAPUR

VELCHAL

SADASHIVPET - 2

MALIAPUR

TARAPUR

CHENNAI

PORTLAND

CHICAGO

SUBSIDIARIES

PENNAR GLOBAL INC.

THE WOODLANDS, TEXAS

BEDFORD PARK, ILLINOIS

PENNAR GMBH

BAD HOMBURG, GERMANY

ENGINEERING CENTERS

HYDERABAD

VISAKHAPATNAM

OUR CUSTOMERS





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