



# PTS Profile

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From the idea to turnkey implementation, delivering beyond expectation, always



## **INTRODUCTION**

Phoenix Technical Services was started by group of professionals who are having more than 20 Years of experience in renowned Pharmaceutical Industries across India. The 'hands on' approach of the directors, together with a strong team of dedicated Managers/Engineers and fully qualified specialists operating in all areas of contracting, is the clients assurance of our professionalism underlined by our proactive approach and ability to deliver our projects within stipulated timelines. PTS is a multi-disciplined engineering services company with extensive working experience in projects from concepts to commissioning, operation & maintenance. We provide services by three distinct means; consultancy, projects and ongoing operations. Our key areas of expertise include process and utility piping, civil, Equipment installation and commissioning, process control, automation, compliance, machine safety systems, hazardous area equipment, instrumentation, HVAC and industrial electrical and instrumentation services.

Our in-depth knowledge of the industry enables us to work with our clients, and by understanding their requirements we present innovative, cost effective solutions allowing us to produce the overall engineered scheme.

# Our Services

We offer Effective 360° Solutions and services for different segments as follows.

- ❖ Pharmaceutical clean room design, construction and Maintenance work including clean room equipment's.
- ❖ Mechanical erection, piping, Electrical , instrumentation Civil Projects and Job works
- ❖ Designing, Documentation and validation of HVAC as per the ISO and EU Standards.
- ❖ Water and wastewater treatment plant designing, installation, commissioning and related consultancy services.
- ❖ Manpower consultancy Services.
- ❖ KSPCB approved consultancy services.
- ❖ Auditing, Training and Certification consultancy.
- ❖ Supply of safety Personal Protection Equipment's, Water treatment chemical supply, Fire protection system.



## **HVAC (Heating Ventilation & Air Conditioning):**

We, at PTS, understand appropriate sizing of HVAC components is critical for the design of energy efficient HVAC system at optimum cost. Hence we adopt a systematic approach towards HVAC sizing, taking into consideration various factors such as climate, building configuration, space usage, System & Area zoning and classifications. Our team is experienced working with architects, engineers, owners and developers, plant managers, Consultants and other contractors to deliver the highest quality product within specifications and on schedule.



A team of Project coordinator assures delivery, co-ordination and communication between site & office for project related matters. At present we are working for multiple projects for HVAC at different places.

For mechanical piping related to chilled water / brine etc we have qualified team of engineers. This team ensures that design from proper sizing of piping to the maintaining of temperature in the AHU, with proper automation.

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**Qualification and Documentation works:**

We provide comprehensive solution in the area of Facility, equipment qualification and regulatory validation in life sciences area.

Our Approach to validation is based on the latest industries standards like GAMP 5, ASTM E2500 and ICH, 21 CFR part 820 Guidelines. The Consolidated approach is risk based and practical with a focus on complying the regulatory requirements.



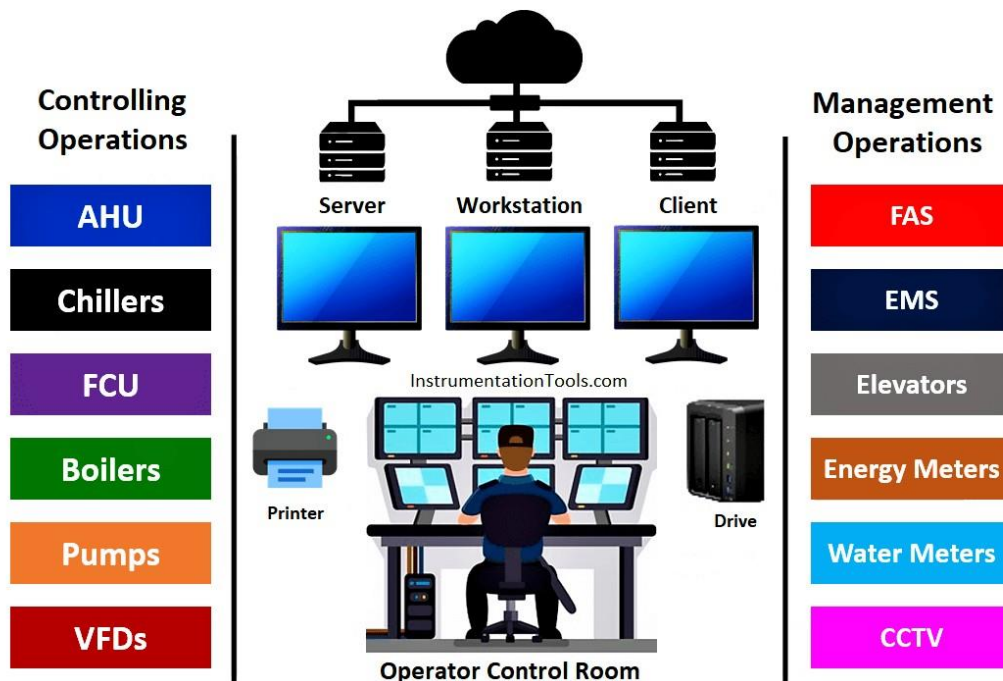
Our team experts who works with clients to validate Computerized systems ranging from a simple PLC based to complex Level applications.

- ❖ Regulatory compliance
- ❖ Qualification and Documentation of Pharmaceutical process Equipments, Utility related and Purified water system
- ❖ Computerized system validation, PLC validation

## **Integrated Building Management System (IBMS/BMS):**

PTS specializes in providing integrated solutions for building facilities encompassing monitor & control of Temperature, Pressure, RH, indoor air quality, airborne particulate count (for ISO classified areas). Building Management Systems based on open protocols like Lonworks, BACnet, and Modbus along with the 21 CFR Part 11 compliant software and documentation as per GAMP ensures facility managers are all set for audit of USFDA, UKMHRA, MCC, and TGA.

As an engineering solutions provider PTS takes responsibility for design, supply, installation, commissioning and maintenance, offering End-to-End solutions, energy management and comfort throughout the life-cycle of the building.



BMS includes – IT & Networking, Security Surveillance & Safety with CCTV, Fire Hydrant & Fire Fighting System, and Public address system. With leading technological associate like DISTECH controls, GE security, XTralis etc PTS assures to deliver safe & quality solution.

## Mechanical Work

- ❖ Green field Projects, turnkey Projects and Job Works
- ❖ Mechanical fabrication of process, utility and Fire Hydrant piping system
- ❖ On site and off site structural and equipment manufacturing works
- ❖ Shutdown and maintenance, Equipment installation and commissioning works.
- ❖ All types of SS, MS and GI Pipeline works and specially for Utilities like water, air, diesel, Vacuum, Steam, IBR and Non IBR etc.
- ❖ Mechanical erection in industries (Pharmaceutical and Automobiles etc.)
- ❖ All kind of insulation for pipelines like Nitrile rubber, Rockwool along with Aluminum cladding etc.



**Mechanical Erection Work**



**Mechanical Equipment and  
Structure Fabrication Work**



**HVAC System Installation**



**Cool water Pipe Line Erection**



**SRP Erection**



**Industrial piping & Pump Erection**



**Industrial Reactors Fabrication**



**Mechanical Maintenance Work**

## **Utility Piping & Fire fighting system:**

Utility piping is the key of the successful projects. At PTS we have a dedicated team of piping engineers. All the utilities required for the plant, like chilled water, brine, Hot water, Drinking water, Steam, Cooling water etc, will be designed as per clients need i.e. cost-effective solutions. Clean utility like Purified water, process piping with all safety procedure for welding, high quality is the specialty of PTS. With its gigantic experience in executing prestigious projects and a highly skilled workforce, Latest techniques particularly in welding technology & process are used to integrate pipe work installation.



Fire fighting piping is of utmost importance of any building / plant. With all the safety design considerations PTS designs a system which will be always geared up to deal with any kind of situation. We follow all the safety norms & regulations laid down by the agencies & safety requirement of the people & property. Designing of piping, pumping station, Hose rills, sprinklers etc are some of the critical design consideration of the fire fighting system.

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- ❖ We Supply, Maintain and Service all kinds of Fire Extinguishers, Hydrant, Suppression System, Fire Alarm and Detection Systems.
- ❖ We Supply all kinds of Industrial Safety Personal Protection Equipment's for all levels.
- ❖ We Supply Chemicals related to Wastewater Treatment Plants, Boiler Chemicals, RO Plant Chemical, Evaporator Chemicals and Cooling Water Chemicals.
- ❖ Monitoring and Analysis of Water, Wastewater, Air Pollution (Stack & Ambient), and Noise.



**Fire Hydrant System**



**Fire Suppression System**



**Sprinkler System**



**Fire Extinguishers**



Smoke and heat detectors



Fire Alarm Control Panel



Safety Personal Protective



ETP & STP treatment chemicals  
Equipments

### **Electrical:**

We at PTS do the job ranging from HT & LT Electrical Installation works viz. Switchyards from 11 KV up-to 132 KV, supply and installation of HT & LT equipments, supply, laying and termination of HT & LT Cables, Lighting, Earthing, Lightning Protection Systems, Fabrication and installation of cable tray, including street lighting etc.



- ❖ MS design and Builds a wide range of customized Control panels from single push button station to advanced Multi-Bay enclosures, offering support from design concept to Completion.
- ❖ We offer various industrial require Custom Control panels for PLC, Process control Panels and VFD Panels etc.
- ❖ We undertake complete electrical contract work as per the industrial standards and requirements.
- ❖ interior electrical services to commercial, Residential



### **Industrial Civil and Construction work**

- ❖ Civil Planning, Estimation, structural design and detailing works.
- ❖ Interior design, Detailing and works
- ❖ All kind of building constructions (Civil and Structure) and painting works.
- ❖ High rise building painting and all kind of paint works
- ❖ Glass works, vinyl, Epoxy, PU, Tile, marble and granite flooring works.



## **Water and Waste Water treatment plants design, installation and commissioning works**

We undertake design, installation and commissioning of mentioned products as per the Characteristics of inlet water to meet requirements and pollution control norms.

Effluent Treatment Plant (ETP) and Sewage treatment Plant (STP)

- ❖ We provide ETP and STP Plants with wide verity of technologies like SBR, MBR ASP MBBR, DAF etc.
- ❖ Water Treatment and Softening plants
- ❖ Rainwater Harvesting
- ❖ Swimming Pool filtration Unit



### **Effluent Treatment Plant (ETP) and Sewage Treatment Plant (STP)**

- ❖ We Provide ETP and STP Plants with wide variety of technologies Like SBR, MBR, ASP, MBBR, DAF etc.
- ❖ Our Treatment Plants are compact in build, Zero discharge type and designed as per the pollution control board guidelines
- ❖ Our Plants are included with efficiently working fully automated system operation.
- ❖ Civil and Packed type models of ETP and STP plants are available and will be proposed based client site condition.

### **Water treatment and Softening Plants**

- ❖ Our Water treatment and Softening plants include varieties like RO plant, DM Plant and Nanofiltration system, PSF&CF filtration System etc.
- ❖ Systems are compact, easy to handle and efficient and will be provided to industrial, commercial and residential needs

### **Rain water Harvesting Systems**

- ❖ Our Rain water harvesting System (RWHS) is very efficient, less area requirement for installation and meeting the legal norms.
- ❖ We design and install RWHS to industrial, Commercial and residential requirements.



**CIVIL TYPE PLANT**



**PACKAGED  
TYPE PLANT**



**RO PLANT**



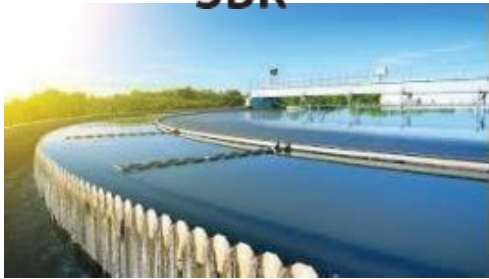
**RAIN WATER  
HARVESTING  
SYSTEM**

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**Technologies we incorporate**

- ❖ *Membrane bioreactor (MBR)*
- ❖ *Sequential batch reactor (SBR)*
- ❖ *Moving Bed Bioreactor (MBBR)*
- ❖ *SAFF Reactor*
- ❖ *Up-flow Anaerobic sludge blanket*
- ❖ *Ultra and Nano filtration*
- ❖ *Water Softening plants & RO Plant*
- ❖ *Dissolved Air Flotation (DAF)*
- ❖ *PSF and ACF Filtration system etc.*

**SBR**



**MBR**



**MBBR**



**DAF**



**PSF & ACF**



**UASBR**



**RO Plant**



**RWH**

### **Special Machinery/Equipment's Fabrication**

- ❖ We are Fabricators of Special Equipment's such as pressure vessels, clean room accessories
- ❖ We are Fabricators of Laboratory furniture's
- ❖ All kinds of PPFRP scrubber ,tanks, vessels.
- ❖ Precision Sheet Metal, General and Heavy Fabrication.



### **Manpower Consultancy Services:**

. We provide complete Manpower Solutions, which includes Total Facility Management Services like Security, Gardening, Housekeeping, Maintenance and Operational Supporting Team all kinds of industrial sectors to meet the current production demand without any delay. Our Manpower Consultancy services are as below.

- ❖ Outsourced Manpower Management
  - ❖ Corporate House Keeping Services
  - ❖ Corporate and Industrial Security Services
  - ❖ Landscape and Garden Maintenance
  - ❖ Technical Staffing
  - ❖ Hospitality Services Staffing
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### **Outsourced Manpower Management**

We provide Qualified, Experienced, Skilled and semi-skilled manpower to our client on contract basis. We offer manpower for

- ❖ Permanent Staff Recruitment to offices and Industries.
- ❖ Contract Basis Manpower for Industrial Requirement.
- ❖ Waste Handling staff for Industries.
- ❖ Documents Management Staff for Industries.
- ❖ Laundry Management staff

### **Corporate Housekeeping Services**

We offer a complete housekeeping solution for business houses of all sizes. Whether for an office, residence, or a large business; our commercial maintenance concept will satisfy your highest quality standards. We implement a proper system of house-keeping & allied services as per our client's requirements. Our House Keeping work includes Stairs, Roofs, Lobbies & all Common Areas of each building mopping, with disinfectants, common Bathrooms of all the Buildings etc.

### **Corporate and Industrial Security Services**

We provide complete industrial/commercial security needs through our services to client's requirement. Our security services include

- ❖ Security Supervisors
- ❖ Security Guards
- ❖ Event Security Management
- ❖ Executive Protection Service etc.

### **Landscape and Garden Maintenance**

We Provide complete manpower requirement for industrial and commercial landscape and garden Maintenance. Our skilled staffs will give a new look to our client's old lawns & landscape. We also beautify the garden by planting seasonal varieties of flowers & plants.

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### **Technical Staffing**

We offer technical staffing manpower to various Industrial technical jobs and Maintenance jobs requirement. Our technical staffs are skilled, efficient and handle technical work effectively.

### **Hospitality Services Staffing**

We provide manpower to Hospitality services like Hotel, Malls etc. we offer man power to the jobs of Facility managers, Receptionists, Housekeeping Staffs etc.



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## Client list



**creative lab**  
AWESOME CREATIVE STUFF



**Baikunje Consultancy**  
Transparency in Quality & Compliance



Innovating for  
patient affordability



**SUDEEKSHA  
GROUP**



**CYIENT**