

LIST OF PTE SERVICES

PT Engineering offers for following engineering acts for:

◆ **Development of studies for your investment plan.**

We will prepare technical solutions of your problems including proposed structure of devices, facilities layout, timeframe and budget.

◆ **Complex Design for new technological facilities and reconstructions**

- Design of alternative solutions
- Budget of alternative solutions

◆ **Management of investment containing:**

- technical classification and assessment
- demands
- technical assessment of offers
- pre design of offers
- scheduling and budget monitoring
- supervision and coordination
- project for erection and assembly
- timeframe
- inspection and supervising of installation and assembly
- commissioning
- evaluation of warranties
- calculation of static strength for steel and concrete structures

◆ **Basic & Detail Engineering consisting of:**

- P & I D
- Calculation and dimensioning
- complex project of technology:
 - arrangement and layout drawings
 - assembly – disassembly project
 - foundation plans
 - piping layouts
 - tanks, equipments, steel and civil structures plans including detailed drawings
- producing of specifications and data sources for other relevant specialists
- complex design and realization for buildings and production facilities as:
 - producing and distribution systems for cooling, refrigeration, pressure air, HVAC /heating, venting, air conditioning/.
 - producing and distribution systems for drinking, technical and firefighting water
 - systems for central heating including heat producing facilities, hot water and steam distribution systems.
 - systems for sewage water collecting and treatment.

◆ **Verification of actual situation, documents and drawings production**

- on site verification of actual situation of facilities, structures layouts and arrangements
- producing of new or updating existing drawings

Based on analyzing of your requirements and ideas we will create database of arrangement drawings using latest release of Auto CAD so they will display all the necessary data which are applicable in process of maintenance, diagnostic and reconstructions of your facilities, when it is necessary to draw up documents to issue situation in general layouts of your facilities.

The advantage of such complex computer database is automatic updating of all datas in all plans according to the changes in one of them

◆ **Construction works in CAD**

- Rope threading rebuild
- Rebuild of PM end groups
- Rebuild of drying felts runs in the drying parts
- Construction for PM frames
- Hood rebuild
- Construction / manufacturing documentation for tanks
- Construction / manufacturing documentation for steel structures etc.

◆ **Ventilation, heat recovery and air ducts engineering**

◆ **Rebuilds or new concept of following PM parts**

- Lubrication systems
- Steam and condensate systems
- Ropeless and rope paper threading
- Rebuild of drying sections
- Stock pulping
- Stock preparation, refining
- Broke systems
- Approach flow
- Fiber recovery
- Vacuum system
- Hood and pm ventilation, heat recovery
- Shower water systems
- Cooling water systems
- Water supplying systems
- Compressed air

◆ **Time scheduling**

For the project , ordering, pre-mounting and main shut time, test , start up planning , preparation, organization in MS Projekt

◆ **Pre – mounting, shut mounting supervising**

Mounting supervising, checks, coordination, organization

◆ **CAD services**

according to your own or arbitrary standards we can digitalize your drawings using Auto CAD and Solid Edge.

◆ **Standardization services**

we will create and work out for you practical company standards

◆ **Structure of spare parts on PC**

we design the structure (database) of spare parts for order and handling so every part will be available without duplicity.

◆ **Labeling of technological systems –designing, supply and installation**

we design, supply and install on side, labels done by the system Brother for technological equipment, pipelines, valves for the new / rebuild technology or according your wishes. We sign also in the language of your country – we make the list – you make the translations – we make the on side signing.

◆ **Electric, Instrumentation, control systems**

We can cover this part with the services of our partner if wished

◆ **Civil engineering, static**

We can cover this part with the services of our partner if wished