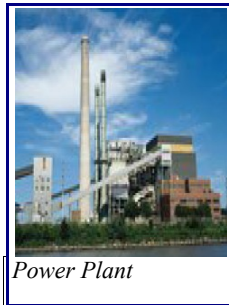


Training & Workshop

Hammer Engineers offers comprehensive training & workshop packages for Industrial / Power Plant – (Updated September 2008)

Awakening of Power Plant Industry

World is in deep need of energy. Human population grows faster than anyone can imagine. Everybody needs electricity in their life. Recently, Indonesia is declaring a massive program to build power plant from various sources: gas, diesel, coal, wind, steam as well as geothermal.



Hence, power plant industry is awakening. Various parties are willingly to participate in this field and ready to play the roles as buyer, user, operator, transmission and distribution company, and as engineering and construction company.

Practical Engineering Knowledges are Important

Engineering contributes the most important point in the development of any industrial plants. It starts from the conception and ends up with issuances of drawing for construction. All the practical information released by the engineering has to be ready to be followed up by the appointed construction company.

Hammer Engineers Company Profile

We are Jakarta based Engineering Consulting Company focusing in Engineering, Procurement and Workshop & Training. Our small team is very specialized and hold rich experiences in their expertise: industrial plant such as oil & gas, petrochemical as well as power plant. The typical characteristic of industrial plant which inherently similar helps us to wrap idea knowledges into practical presentation.

Power Plant Engineering Packages

- **P1101: Thermodynamic and General Review of Industrial / Power Plant**
- **P1102: Boiler System and Pumps for Power Plant**
- **P1103: Electrical Engineering of Power Plant**
- **P1104: Turbine and Compressor for Power Plant**

Purpose:

Our Power Plant Engineering Training & Workshop offers a unified treatment of industrial / power plant system basic, planning design and operation, economic and includes important consideration of the all the forces which have shaped the industries.

Future:

We hope that the technologies which make up the system will bring highly convenient and highly economic form of energy to the consumers, i.e., densely populated and remote geographic area.

Method:

Each package to be conducted in 1 full day (typically starts from 09.00 to 16.30hrs). The last 1-2 hrs will be mainly dedicated for workshop and discussion where all the participant actively taking part and solving the simulation problem.

Facilitators:

Facilitators are the professional practicing engineer whom still working in their respective expertise. Academician will be invited as well as they have all the updated information in technologies development.

Overview of Packages P1101 - P1104 ...

- **All the packages will be focusing on strong ground of Industrial Plant, especially from the engineering point of view of typical power plant. The P1101 package offers theoretical thermodynamics basic of power plant as well as all general consideration required to build up a power plant. P1102 package will discuss steam generation by boiler system as well as pump system (including BFW pump). P1103 will focus for electrical devices (switchgear, transformer and alternator). P1104 will emphasis the turbine (steam or gas) as well as the compression system**
- **All the packages are designed for fresh engineer (or max 3 years working experiences) background.**
- **Facilitators: Dr.-Ing Nasruddin MEng, Ir. Edi Hamdi MSc (in Eng) and team (each has strong background in their respective discipline engineers)**
- **Participant will be granted Certification of Attendance with complete syllabus printed in certificate's back page**

..Our organization...

The engineering services that we offer are preparation of equipment data sheet, specification, technical bid evaluation up to detail vendor print check/review. We believe that these kind of services can be contracted to us by the Clients / interested parties who would like to get specialized work which can be done in parallel (with their major operation team). Usually this is done in order to get as fast as possible project schedule or to reinforce the existing engineering team within the Client's organization. We also can act as Company representative to supervise the company's subcontractor engineering work as well.

Our small team (process and mechanical engineers) is flexible and ready to deploy in quite various forms: part time, on call basis as well as full time basis. Our core team is specialized in package and rotating / machinery equipment which typically builds up a major part in any industrial plant. The team -when required- can be expanded into small multi discipline organization: piping, electrical & instrumentation as well as structural & civil engineers.

Let's say your company just purchased a booster compressor (which is not very often) and you have none within the company to review and check the detail drawing sent by manufacturer: we can be there for you. Maybe you also need to assess the estimation cost of dehydration unit for your pipeline: we can help you as well.

PT Djaja Giri Permai started their operation from the year 1976 and mainly focus on construction of residential industry. With their long experiences and their competent resources, the company is now expanding into the industrial plant businesses.



Hammer Engineers

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