



Enhancing our Capabilities

Enhancing and expanding our capabilities through acquisitions and technological upgrading will enable us to offer a more comprehensive and integrated suite of service solutions to our clients around the world. We aim to distinguish ourselves as an engineering specialist of choice for our clients, providing solutions that enable them to achieve business and commercial excellence.

Engineering Services



PEC has established its own dedicated Engineering Services specifically to focus on delivering appropriate, cost-effective engineering solutions in the areas of conceptual design, detailed engineering design and project management.

PEC has a core group of in-house design engineers whose disciplines cover process, civil, mechanical, piping, electrical & instrumentation and tankage engineering. PEC's technical expertise is further complemented by partnerships with the following companies: Sinopec Luoyang Design Institute and Yokogawa Engineering Asia.

At the conceptual design phase, we will work with you to establish the project definition for engineering, procurement and construction requirements, including a detailed project cost estimate and schedule. This will be followed by front end engineering design and detailed engineering design covering process, civil, mechanical, electrical & instrumentation, structural and piping. With state-of-the-art engineering software such as AVEVA PDMS*, X-Steel*, Spoolgen*, etc, we are able to generate 3-dimensional drawings, detailed pipe routing and

design modeling. Each design will be carefully checked to ensure operability and safety using proven risk assessment tools such as HAZOP analysis.

Part of project management services could extend to procurement where we will work with you on vendor pre-qualification, tender & evaluation, procurement and inspection & management of materials. When it comes to project execution, we can leverage on the extensive experience and expertise in construction within the PEC group.

Our proprietary EIS (Executive Information System) and PECm (Procurement, Engineering & Construction management) software platforms integrate information from multiple databases and will allow you secured access to monitor the performance of your project in terms of scheduling, budgeting, productivity and HSSE.