

ADVANCED ENGINEERING SERVICES



Life needs a lot more Engineering

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ENGINEERING CONSULTANCY



ADVANCED ENGINEERING SERVICES

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AES' Engineering Consultancy wing can support you in several ways.
AES can be your **Consultants, Advisors & Engineers.**

As **Consultants**, AES can support you with the preparation of detailed project reports, project profiles etc., Can carry out feasibility studies.

As **Advisors**, AES can assist you evaluating the proper technology for your power plant application. Review the available forms of power generation and recommend to you the optimum solution.

As **Engineers**, AES can help you with the review of design drawings, documents and preparing the detailed drawings, specifications, vendor evaluation for both pre and post order executions.

OUR MARKETS	OUR CLIENTS
<ul style="list-style-type: none">▶ Power Plants (Utilities, Captive & Cogeneration Plants)▶ Process Industries (Paper, Cement, Steel, Textile, Sugar etc.,)▶ Oil & Gas Sector▶ Gas Processing Industries▶ Pipeline Industries▶ Water & Waste Water Treatment Plants▶ Retrofit and Revamping	<ul style="list-style-type: none">▶ Project Management Companies (PMCs)▶ Original Equipment Manufacturers (OEMs)▶ Engineering Companies▶ Engineering, Procurement & Construction (EPC) Companies▶ Owners of the plants

AES References:



TECHNIP ENERGIES

3 x 150 TPH Oil & Gas fired boilers
2 x 125 TPH Oil & Gas fired boilers



MKSR-SPAC

ESP installation for a 45 TPH
Empty Fruit Bunch fired
boiler in West Malaysia

Consultancy activities carried out:

- ▶ Technical Job Specifications for Design
- ▶ Conceptual Design Basis review
- ▶ Mechanical data sheets review
- ▶ Review of Process data sheet
- ▶ EPC tender specifications
- ▶ Evaluating Technical bids including technical Clarifications,Deviations and Client comments resolution

Consultancy activities carried out:

- ▶ Complete review of client's contract specification
- ▶ Review of ESP Vendor specifications and Scope matrix
- ▶ Review of ESP Supplier Technical Data sheets, Fabrication and Erection drawings
- ▶ ESP Plant duct layout finalisation



SCOPE OF SERVICES

Project Development Stage

Conceptual engineering
Feasibility studies including CAPEX & OPEX
Technology Selection
Business case development

Tender and Contracting Stage

Preparation of Tender specifications
Bid clarifications and evaluations
Contracting strategy
Contract negotiations

Project management support
Design reviews
Inspection / Expediting & Quality
Erection and commissioning supervision
Acceptance tests
Training of personnel

Monitoring Plant Operation
Process optimization
Emission Reduction
Adaptation studies for improving
Availability, Reliability & Efficiency

Project Execution Stage

Operation Stage

