



Project Name	:	Consultancy Services for Detailed Design and Construction Supervision for Architectural, Civil & Structure (ACS) for Renovation of Process Plant PP Liquid Project
Location	:	Bangkok
Name of Client	:	Unilever Thai Holdings Ltd.
Project Cost	:	67,000,000 Baht
Duration	:	September 2012 – December 2013
Narrative Description	:	<p>The Renovation of Process Plant PP Liquid Project was located in Lardkrabang Industrial Estate, Bangkok. Project consists of 4-storey building having floor area of 8,500 sqm. The building design includes various components as following:</p> <ul style="list-style-type: none">● Design of roof structure for new roof, new ceiling in Packing hall, new pipe support.● Design of production area and warehouse area to fully enclosed area according GMP standard + Lighting, Fire protection system and Air condition system.● Design of new roof for warehouse area.● Design of meeting room at ground floor.● Design of new office expansion and meeting room on 3.5 m. floor.● Redesign of warehouse mixing room.● Design of new canopy for warehouse loading area.● Redesign of washing room for 7 m. floor and 14 m. floor + ventilation system.● Redesign of Weighing room (Powder room, liquid room and Dye room)● Design and rearrange the power distribution system to suit the modification of each area.● Design Electrical and Communication System for the new office and meeting room.● Design for expansion Puck room, Canteen, Spare parts, Workshop and Maintenance office. (625 m2)● Preparation of bidding documents and evaluation.● Safety management at construction site.

- Services Description** : Services for Detailed Design and Construction Supervision are as followings:
- The design of both Basic and Detailed Engineering which included Architecture, Civil/Construction, Electrical, Mechanical and System work with the high quality and standard
 - Prepare Documents for Permission Certificate
 - Prepare Tender Document
 - Prepare Additional Bill of Quantities and Project Cost Estimation
 - Assist the Client in bid evaluation and selection
 - Project Management for the Construction Work