

COMPLETION OF HIGHLY SUCCESSFUL SEPSUP PROJECT FOR ESSO SRIRACHA REFINERY



SEPSUP Unit including HRSG-3 and GTG-3 (GTG-1/2 in the background).

The SUP-3 Team recently completed another highly successful project for the ESSO Sriracha Refinery in Thailand.

Thanking the team for its efforts, Ian Bill, Chairman & Chief Executive of FWEL, said: "Safe, under budget, and early completion of the SEPSUP Project. It does not come much better than that."

SEPSUP's objectives were to provide additional on-site power generation and steam capacity via a GTG/HRSG and to integrate the new facilities into the site's utility system to give effective flexibility and enhance process operations.

The work was awarded to FWIC for execution under the Umbrella Contact that has been in effect since 1994, continuing the long-term successful relationship between Esso and Foster Wheeler in Thailand over the last 30 years.

Work on the FEL Package commenced in May 1999 and was completed by September, prepared by

an integrated team of FWIC and Esso personnel working in a single location in the FWIC Thailand Operations offices. This was the first project where Esso Singapore/ W Thailand executed a FEED/Design Specification jointly and in Asia. The high quality package enabled early order placement of the GTG and HRSG and a rapid start to detailed engineering.

FWEL's Fired Heater Division supplied the 50 ton/hr, 42 kg/cm(g) unfired HRSG after worldwide competitive bidding. All the HRSG modules were fabricated in Thailand and were delivered on or ahead of schedule, supporting the originally planned window for the Heavy Lifts. The 25 MW GTG was ordered under the terms of the GE/Exxon Alliance, this being the first time the Agreement had been used. Nuovo Pignone manufactured the Frame 5 Turbine in Italy and the Electrical Generator was provided by HMA in Holland.

Mechanical Completion was achieved in early February 2001, and 'First Fire' of the turbine just two days later,

bettering the original project schedule by two months.

Safety performance was outstanding, with no incidents of any kind achieving a TRIF of zero for approximately half a million construction manhours.

ABBREVIATIONS/ACRONYMS

SEPSUP	Sriracha Electrical Power/Steam Upgrade Project
SUP-3	Sriracha Umbrella Project-Phase 3
GTG	Gas Turbine Generator
HRSG	Heat Recovery Steam Generator
FEL	Front End Loading
FEED	Front End Engineering Design
TRIF	Total Recordable Incident Frequency
IPT	Integrated Project Team (comprising FW and Esso personnel)