



South East Asia Gas Processing Plant Increased Profits by Over USD 10 Million/Year

Profit improvement program exceeds target by 7 million/year

Key Benefits

- Increased profit by 10 million/year
- Exceeded target by 7 million/year

Background

- Goal to improve yields by 3 million/year
- Create a culture of continuous improvement

KBC Solution & Results

- Identified 10 million/year in non-investment improvements
- Used Petro-SIM to create a site-wide simulation model and value test proposed improvements
- Created an on-line sparing management tool to optimize the utility system
- Trained engineers on continuous improvement

Client Challenge

A gas processing plant that produces gas and liquefied petroleum gas in South East Asia was looking to increase profits. The plant had eight trains and the operator wanted to grow profitability by at least 3 million/year.

They contacted KBC to help them improve their yields and identify energy saving methods. The operators long term goal was to develop a corporate culture of continuous improvement. To meet that objective, they needed to improve their employee skill set so they could identify and implement their own profit improvement programs.

The Solution

KBC used Petro-SIM simulation software to create a sitewide simulation model. The site team also created a utility model. These models helped to identify gaps and test the value of the proposed improvements.

KBC Consultants identified more than 50 profit improvement opportunities. Working with the client, the consultants narrowed down the profit improvement options based on practicality and feasibility.

The project team agreed to implement 24 of the identified opportunities worth over 10 million/year with no capex.

One of the opportunities KBC consultants addressed was an energy problem commonly seen in plants. The gas turbine generators had

