



# Multi-phase Boosting Solution

## Project Background

Caltec's patented Wellcom® Boost solution was selected as the ideal choice to boost multi-phase production on two platforms in the South China Sea, off the coast of Malaysia.

## How it works

By splitting the multi-phase flow into its gas and liquid components, the individual phases are then boosted separately, and finally co-mingled back into a single stream. This reduces the back-pressure on the multi-phase wells, resulting in an increased volume of production.

An available source of high pressure injection gas was used to boost the gas phase, and the single phase pump boosted the liquid pressure. The Caltec separator and ejector are robust, reliable, proven components, with a long track record, no moving parts, and requiring little or no maintenance.

## Results

- Boosted production volume by up to 30%
- Using robust, reliable, proven components
- Harnessing an existing source of energy
- Decreased the back pressure on the wells by 120psi

*"The system did exactly what Caltec said it would do"*

