

# Powering forward with biogas

## CUSTOMER

Northern Biogas Co Ltd

## LOCATION

Chumpuang, Nakhonratsrima,  
Thailand

## SECTOR

Manufacturing

## KEY FACTS

**100,000 Nm<sup>3</sup>**

Of biogas converted per day

**\$1.9m**

USD Saved

**6 MW**

Installed Capacity

**4**

NCG Generators

## THE CHALLENGE

### Cost-effectively convert by-product into biofuel for power supply and **avoid CAPEX**

Northern Biogas prides itself as a clean power enterprise that strives to improve the environment and lives of the local community, by leveraging on their proprietary technology in waste to biogas conversion.

The company was looking for a biogas power solution partner

to convert their generated biogas - a potential 100,000m<sup>3</sup> per day - through its waste-biofuel technology. Purchasing equipment was their initial approach but the long-lead time and high CAPEX was an issue. It meant that the business had to wait, and delays meant lost revenue.

By partnering with Aggreko, we were able to successfully scale-up our operating biogas project by adding power generation capacity in record time and at significantly lower capex than expected. Beating our expectations, the gen sets arrived to Thailand as fast as three weeks after signing the contract

**Gustaf Godenhielm**

Northern Biogas Limited Executive Chairman.



## THE SOLUTION

# Responsive, versatile and fuss free biogas power solution

Northern Biogas approached us to help them, because we are known for our responsive approach to complex power demands.

We designed an adaptable package comprising four of our NGG generators with an installed capacity of 6 MW. When designing the solution, we ensured full flexibility so

the customer could scale up or down operations and capacity too.

This approach also included 2 MW of redundancy built-in, allowing for a flexible approach also where volume increase was concerned – as well as the opportunity to produce more clean energy for their customers.



## THE AGGREKO DIFFERENCE

**We put you first so you  
can be at your best.**

## THE IMPACT

# Increased power independence with \$1.9m saved

The tailored solution we delivered helped the customer meet the project's demands six months earlier than their initial CAPEX-intensive choice. This time saving meant the customer was able to start sooner, meaning increased revenue.

A cost saving of approximately USD \$1.9m is forecast for the

customer by incorporating our expert solution into their manufacturing value chain.

Our turn-key package gives the customer flexibility to free up cash flow to develop other business projects, while simultaneously reaping the benefits of our reliable, optimised power supply.