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**Power
Generation**



Prime Power

Case History

Laemthong Farm

Where:

Laemthong Farm, Ayudhaya-Nakornrachasrma, Thailand

What:

Prime & standby generator systems:
1 x 8kW (C11D5) powered by X1.3G1 engine
20 x 13kW (C17D5) powered by X2.5G2 engines
1 x 440kW (C550D5E) powered by QSX15G8 engine
3 x 1MW Standby (C1250D5A) powered by KTA38G9 engines

Purpose:

To provide reliable power products and support for operations at the poultry farm that specializes in growing chickens

Primary choice factors:

Cummins Power Generation's ability to supply quality equipment that can integrate with customer's existing systems, meet customer's budget in terms of equipment and maintenance costs, make timely delivery and provide efficient after-service support with value-add services.

Poultry Farm go on producing riding on Cummins Power Generation

Laemthong Farm, located in Ayudhaya-Nakornrachasrma, Thailand, is part of the Laemthong Farm Co Ltd farm chain, where its head office is situated in Phayathai Bangkok. The company provides a host of agricultural products and services that includes Agricultural, Horticulture, Fisheries and Forestry.

Laemthong Farm forms part of the privately listed company business chain, specializing in agricultural services that looks after farms and livestock, and specifically looks after the growth and provision of chickens.

It is the subsidiary company of Laemthong Sahakarn Corporation, one of the Top 5 key players in Thailand for the agricultural and farm management sector. Poultry farm management, production of chicken feed pig mill plants, and food processing in the cold storage of chicken and pork form its core business. The company has 20 farms spread countrywide, with staff strength of 3,000.



Poultry management and facilities powered by Cummins Power Generation's C17D5 (L) & C1250D5A (R) at Laemthong Farm.

Cummins Power Generation trusted again to support farm operations with reliable and cost-efficient Power Solutions

The Cummins power brand were first entrusted with providing Laemthong Farm with power support in 2006, and once again in 2008. The latest acquisition adds to the farm's existing fleet inclusive of the 1250 kVA (C1250D5A) models amongst others.

This was a pilot project by the customer to use low kVA sets for power support and backups. When Laemthong Farm approached Cummins Power Generation in the second half of 2010, it's objective was to procure and install reliable power products to power and meet their farm operational requirements.

One key challenge put forth to the Cummins team was for extensive testing on its diesel generator sets to run the farm's motorized ventilation fan systems used across the facilities, and to prove their capabilities. Another challenge was to prove that the generator systems could withstand lightning interferences when fully installed and running. Yet another was to have a less noisy system to minimize disturbance to operators and livestock so that chicken life and growth is maximized. These results would then allow the customer to deliberate and confirm the transaction.

During initial meetings with Cummins DKSH (Thailand) Limited, other concerns expressed by the customer were on costs involved to operate the power systems and to maintain aftermarket support, aside from having reliable and unfailing products.

Although their existing Chinese sets were cheaper to acquire, the farm could not achieve the desired power output to specifications, which the Cummins gensets can carry off. Moreover, fuel consumption on the Chinese gensets was less efficient compared to the Cummins models.

The project run over four months from planning to testing and installation, starting in mid-September and closed in December 2010.

When operational, the customer benefitted from savings in time and costs, a more efficient deployment of manpower and considerably lesser problems from operational breakdowns due to inconsistent power back-ups.

It is no wonder that when comparisons are made on performance, reliability, and long-term costs paired with an efficient after-market support, the Cummins Power Generation team won over the competition, yet again.



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