

POWER PROFILE

Customer: Nexperia

Location:

Light Industry Science Park of the Philippines
Philips Ave., Barrio, Cabuyao, Laguna

Customer Business Issue:

Production stability after the Taal Volcano eruption and amidst COVID-19 pandemic conditions.

Solution:

One Cat® C13 generator set for 320 kW standby applications, 380V with enclosure

One Cat C13 generator set for 350 kW standby applications, 240V with enclosure

Cat® Dealer:

Monark Equipment Corporation



Facing quarantine restrictions due to the COVID-19 pandemic, Monark needed to deliver the two Cat® units quickly.



Nexperia plans to utilize the generator set for a temporary facility that houses its skeletal force.

POWER NEED

As a high-volume semiconductor company, Nexperia Philippines, Inc. proactively looked for generator sets to provide countermeasures for power uncertainties brought on by the eruption of the Taal Volcano on January 12, 2020.

On January 28, Nexperia finalized the deal with Cat dealer Monark Equipment Corporation and purchased two Cat generator sets. The first unit is the C13 320 kW at 380V, and the second unit is the C13 350 kW at 240V. These new gensets will be used for Nexperia's CDP area and warehouse.

Another unfortunate adversity Nexperia has faced during 2020 is the COVID-19 pandemic. When the government imposed the enhanced community quarantine due to the outbreak, Nexperia Philippines requested Monark deliver the units immediately, worried that the materials in its warehouse could be damaged in the event of prolonged unscheduled power interruption. Fortunately, Monark Equipment Corp. managed to deliver the two Cat units without any problems on March 25, 2020.

After the delivery, Nexperia hired a third-party contractor to install the Cat C13 units and requested the help of Monark's engineering team to do the commission work. Cris Bolivar, an engineer for Monark, ensured that everything was in place for Nexperia, including testing the unit, advising the customer on what needed to be done for testing, and assessing the readiness of the unit's configuration for load testing. Bolivar made sure that everything would flow smoothly even when the Monark engineering team would not be onsite during the final stages of the installation and commissioning.

The installation was complete after the visit, but the quarantine measures had tightened, which prevented the Monark team from completing the commissioning work.

SOLUTION

Through the resiliency of Monark's engineering team, the Cat dealer held a video conference with Nexperia's facilities and energy team to provide a step-by-step completion of testing and commissioning for the generator sets.

RESULTS

With the efforts and expertise of Monark's engineering team, Nexperia was able to test and load the generator set. When the unit was fully turned over and operational, Nexperia informed Monark of its plan to utilize the generator set for a temporary facility that would house its skeletal force.

Thereafter, an email commendation from Nexperia's facility manager stated:

"Even in the midst of the COVID-19 crisis, you were able to connect the Monark team, Jerwin and Chris, with my team physically and virtually to make sure generator installation, testing, and commissioning will be successful."

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