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# Standby Power

## Case History

Islamic Centre – Samarinda

### Where:

Islamic Centre – Samarinda, East Kalimantan

### What:

Fully integrated standby power solution comprising 3 generator sets – 1 x 1250 kVA, 1 x 640 kVA and 1 x 500 kVA

### Purpose:

To provide reliable power support to back up operations at the Samarinda Islamic Centre

### Primary choice factors:

Cummins Power Generation's ability to supply quality equipment, coupled with an efficient control system to reduce number of operators needed, and to allow the power system to run automatically when needed. In addition, the customer only needs to deal with a single point, one-source solutions provider.

## Iconic Islamic Centre Stands Tall on Cummins Power Generation

Samarinda is the capital of the Indonesian province of East Kalimantan, located on the island of Borneo. The city lies on the banks of Mahakam River and is the most populous city in East Kalimantan.

The city's name Samarinda originates from the way in which traditional Bugis houses were erected. Houses were customarily built on rafts and generally bore the same height. This provided the social symbolism of equality between residents – no person's house, and thus no person, was seen as higher or lower than another, thus the name "Samarenda", meaning "equal in height".

The Samarinda Islamic Center is a grand and imposing building that stands proudly on the edge of the Mahakam River. Standing on top of the Mahakam Bridge, which connects the Mahakam River banks, one is accorded a full view of this majestic and beautiful mosque, the second largest built in Southeast Asia.



Operations continue on with the support of fully integrated power system comprising of (Left) C1400D 5/KTA50G3 (1250 kVA), and (Right) C700D 5/TA28G5 (640 kVA)

The centre's main architecture is built atop an area of 43,500 square metres, located at a former sawmill property. Its infrastructure houses a basement spread over 10,235 square metres, a ground floor of 10,270 square metres, and a mezzanine space of 5,290 square metres. Its surrounding facilities include hospitals, shopping malls, and dormitories.

The building can accommodate up to 35,000 people. Aside from functioning as a religious centre, the premise has a library, school and a function hall, allowing for even more visitors into the facility.

## Cummins Power Generation entrusted to provide Stand By Power

The Islamic Centre was considering several brands, but eventually approached and entrusted Cummins Power Generation to design and provide a reliable power system to run back-up power for its operations.

Cummins long-standing expertise and experience again stood up to its reputation when its team effectively supplied and fully integrated a system setup that seamlessly synced with the customer existing equipment, without incurring additional add-ons and costs.

During the proposal and designing phase, the Cummins distributor PT Altrak maintained excellent relationships with the client, hearing and seeing to their needs and overcoming challenges.

The professional team consisted of sales, design and application engineers, worked closely with the customer to realize the best execution plans for mechanical installation and electrical systems.

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Cummins Power Generation products and services were chosen for this project because of the quality of the power system, backed by an excellent service response from distributor PT. Altrak 1978, which far exceeded the customer's expectations and requirements.

The outcome from this successful partnership has paved the way for future designs and structures in Samarinda to take reference and follow suit, especially for other upcoming important and prestigious projects.

As the current Islamic Centre site still has much developmental potential, Cummins Power Generation will definitely be on the ready to establish good rapport, trust and standing, and to be entrusted with upcoming expansion projects in the near future.



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