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G-Drive

Case History

Greater Cairo Water Authority

Where:

Cairo, Egypt

What:

Eight Cummins G-Drive 6CTA8.3-G2 engines.

Purpose:

To provide power for water pumps in regions affected by flash flooding.

Greater Cairo Water Authority Relies on Cummins G-Drive Engines in Flood Prone Areas

Flash floods in Egypt last year killed at least a dozen people and forced hundreds to leave their homes. In the Sinai Peninsula, Upper Egypt and Aswan, where the rain-induced flooding reached record levels, over 1100 homes were washed away and the authorities estimated damages amounting to 75 million US dollars.

This year, the Greater Cairo Water Authority is ready for any such emergencies thanks to a fleet of four mobile response units that carry water pumps powered by Cummins G-Drive engines. The pumps are mounted onto trucks for mobility, and after successfully completing rigorous testing, are standing by to be deployed to the emergency areas. When heavy rains are forecast, the water authority can move the vehicles to the designated area so that they are ready to tackle any flooding before it reaches danger levels.



Mobile response unit carrying water pumps powered by Cummins G-Drive engines.



Cummins 6CTA8.3-G2 engine

Engineers at Al Mohandes Co., a Cairo-based Original Equipment Manufacturer (OEM), chose Cummins G-Drive model 6CTA8.3-G2 and 12-volt DC engines. Designed to be fuel-efficient, these high-performance diesel engines provide the best solution for the specific requirements of this project.

Aly Khamis of Al Mohandes, said: "We know this particular Cummins engine series extremely well. And, as testament to the quality and durability of its products, we have forged and maintained an excellent relationship with Cummins and have enjoyed a good experience with their products during the 25 years that we have been working with them."

Cairo Water Authority did not specify its actual power requirement. Therefore Al Mohandes team of engineers based its calculations on average efficiency before specifying the engines that would exceed the project's likely power requirements by a 20 per cent margin of safety.

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Khamis added: "The Greater Cairo Water Authority is so pleased with the success of the project that they are already talking to us about their next pump installation project, which will involve four mobile response units in Northern Egypt and Delta area and a further four in the South of Egypt."

Cummins G-Drive engines are renowned for delivering vital prime, standby or continuous power solutions to help keep the world on the move.

To meet the international demand for its products, Cummins manufacturing centres are currently sited in 14 key cities, across the UK, the USA, Brazil, Turkey, India, China, South Korea, Japan and Singapore.

For more information about G-Drive engines visit www.cumminsgdrive.com



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