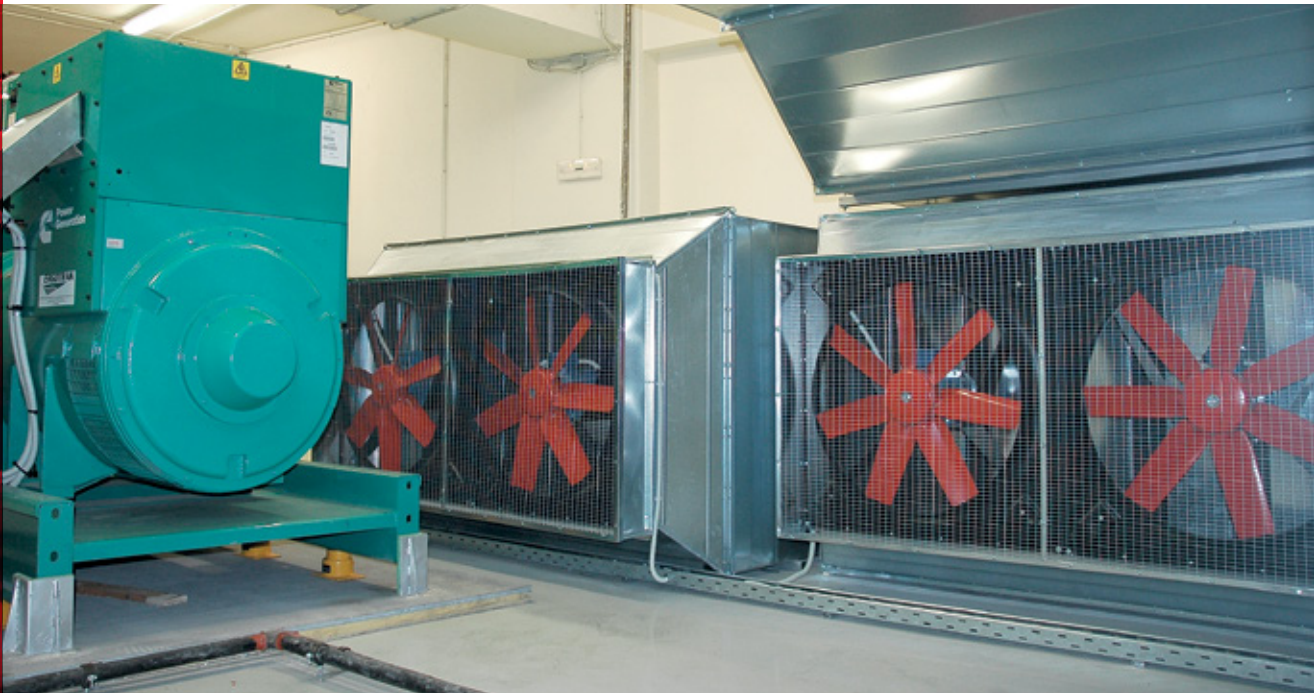


Our energy working for you.™



**Power
Generation**



Critical Protection: Data Center

Case History

Cosmote Telecommunications S.A.

Where:

Athens, Greece

What:

Two C1675 D5A generator sets powered by Cummins KTA50GS8 engines plus exhaust silencers, piping, fans, air ducts and soundproofing.

Purpose:

Emergency standby power for a data center's hardware servers, network equipment, UPS and chiller system

Primary Choice Factors:

- Cummins Power of One™ - all products and components sourced from a single global supplier, backed by comprehensive support.
- Ergotrak's reputation for service and its ability to offer a solution that met the customer's full requirements at a competitive price.

Cummins Power Generation comes ahead of the competition at Athens data center

Cummins Power Generation distributor Ergotrak was among the companies invited to tender for an emergency back-up solution required at an Athens data center owned and run by Cosmote. As one of the biggest telecom companies in the country, Cosmote provides mobile services to over 7.5 million Greek customers, and is naturally a major data center operator. The standby contract was for Cosmote's newest and biggest data center, located right in the heart of the Greek capital.

Cosmote is a fast-growing hi-tech company. From a relatively late starting position in the Greek mobile telephony sector in 1998, Cosmote has not only surged ahead to take the leading position in the Greek market but also established itself through acquisition and organic growth as one of the biggest mobile operators in south-eastern Europe, with operations in Albania and Romania. Cosmote has led the market in delivering high speed broadband services, and launched a commercial 4G mobile service as early as 2012.



Ergotrak handled the whole installation including piping and ducts



One of two Cummins Power Generation C1675 D5A generator sets

As Cosmote is a highly technical and discerning customer, competition for the project was going to be tough - especially since another manufacturer had previously installed a 1,000 kVA generator set at the same Athens site. However, when the tendering process was over, Ergotrak had come out in front, with a contract to supply two Cummins Power Generation C1675 D5A generator sets powered by Cummins KTA50GS8 engines. The Cummins solution had proved the best bid on the table, thanks to the Power of One™ - all components sourced from a single global supplier - backed by Ergotrak's reputation for service and a competitive price.

The Cummins Power Generation generator sets had to provide emergency standby power to Cosmote's hardware servers, network equipment, UPS system and chiller cooling system. The solution had to be designed to ensure the generator sets could back up each other, to cover for any possible malfunction such as a generator set start failure. Start-up had to be automatic, to ensure a smooth change-over to emergency power in the event of a grid failure, with no interruption to the data center's mission critical applications.

Ergotrak was fully responsible for installation, including exhaust silencers and piping installations, air ducts and fan installations. The system was soundproofed

The system was soundproofed on the surge and discharge sides of the generator set rooms to achieve a noise level outside of the building of 60 dB(A) at 1m.

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Ergotrak took on the project from installation all the way through to commissioning and start-up, accomplishing the whole task smoothly and efficiently. Ergotrak's Cummins Power Generation solution has met the needs of Cosmote's central Athens data center facility, a site of major importance to the growing telecom company's operations.

For more information about critical protection/standby power systems or other energy solutions, contact your local Cummins Power Generation distributor or visit power.cummins.com



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