
Press Release

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MAN Energy Solutions to Provide CHP Solution for Ben Gurion Airport

System solution secures independent energy supply at key Israeli airport

MAN Energy Solutions has won the contract to provide a new combined-heat-and-power (CHP) solution for Ben Gurion Airport in Tel Aviv, Israel. As the future main energy source, a dual-fuel engine MAN 9L51/60DF will supply the airport with 9.2 megawatts (MW) of electrical energy. The engine will primarily run off a domestic natural-gas supply with plant hand-over – upon its construction by Israeli company, Telemenia – planned for the end of 2019.

The power-plant engine will not only generate electricity, but will also contribute to the airport's air-conditioning system through combined-heat-and-power generation. Instead of a conventional, compression chiller powered by electricity, the air-conditioning system will exploit heat generated by the engine to provide cooling.

Petri Vehkakoski, Key Account Manager at MAN Energy Solutions said: "The plant at Ben Gurion Airport demonstrates clearly how our solutions deliver high efficiency and an optimal fuel consumption. The cogeneration not only increases the plant's efficiency to over 70%, but the airport will also save on the electricity that would otherwise have been required to operate the chiller. More and more, we see that our customers are interested in system technologies that increase the efficiency of their systems, while simultaneously reducing costs."

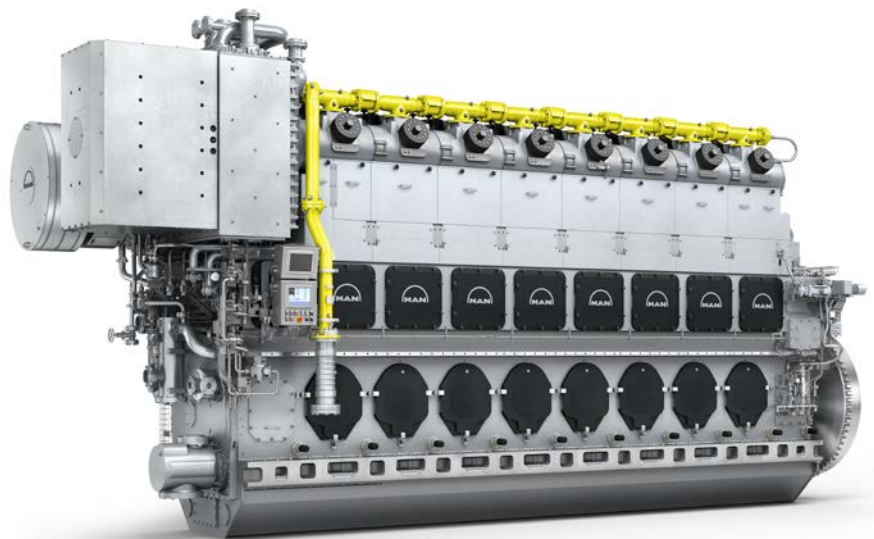
An indispensable solution

With more than 16.5 million passengers a year, Ben Gurion Airport is the largest and most important airport in Israel, making a reliable energy supply indispensable. The operation of the new facility will mean that the airport will no longer draw its energy from the national grid but, rather, will operate independently of the public power supply.

Ilan Azulay, VP Projects at Telemenia: "In order to meet high safety standards, the airport's energy supply must be assured in the event of any crisis. Accordingly, the reliability of the technology used is of great importance. Thanks to its dual-fuel capability, the MAN 9L51/60DF engine will remain fully operational, even during any disruption to its gas supply. MAN Energy Solutions has clearly shown that it possesses the necessary system expertise in cogeneration to fulfill the requirements of this project."



MAN Energy Solutions provides a new combined-heat-and-power (CHP) solution for the Ben Gurion Airport in Tel Aviv, Israel.



A dual-fuel engine MAN 51/60DF will supply the Ben Gurion Airport with 9.2 megawatts (MW) of electrical energy.

MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.