

A MAGNIFICENT HOTEL ON THE SHORES OF THE BLACK SEA



WHERE:

Pomorie is a city located in the province of Burgas, in Bulgaria. The city has a population of approximately 20.000. It is widely held to be a seaside resort sited on a narrow rocky peninsula in Burgas Bay, on the southern Bulgarian Black Sea Coast. Its name derives from the Ancient Greek, it means "next to the sea". Every year many tourists chose Pomorie for its spectacular beach which extends along the coast for 5 km. The town is also well known for the healing and medical properties of the mud extracted during the production of salt in Pomorie Lake.

WHEN: June 2018

CONTRACTOR: Midia Ltd

SALES AGENT: Profil Ltd



THE REQUEST:

Festa via Pontica is a 4 stars resort that counts 270 rooms, all provided with minibars, balconies and free Wi-Fi. The hotel is located next to a winery restaurant, so the tourists can go there to have a quality meal after spending a day of relax at the beach.

The hotel is a 6-storey huge building, requiring a pressurization system to supply any single room with the proper amount of water. The use of a VFD (Variable Frequency Driver) is a must in this kind of application, since the load condition can be extremely different. In a hotel, a peak of water request is expected in the early morning, before dinner time and in the late evening, when most of the guests are taking a bath or a shower. During the day time, when less people are using the toilette, a VFD-pump can supply the required amount of water at constant pressure (better comfort to the user), avoiding undesired over-pressure and resulting in a big energy saving.

DAB suggested the hotel contractor to adopt this kind of technology: finally, the choice was the performant booster set made of 2 x NKVE 20/6 T MCE 400-50, driven by the efficient VFD. The two pumps share the duty demand, obtaining a great precision on the pressure set point. The payback period of such a solution (15 kW total power) is expected to be less than 2 years.

The booster set is D.Connect ready: it will be possible to monitor the energy consumption and to easily calculate the energy saving with a connectivity system provided by DAB.

2 x NKVE 20/6 T MCE 400-50

