



Sector: Sports

Project Taype: Prime time Application

Company's Problem

Jockey Club of Turkey was in need of a power ca 8 MVA for its night races at İstanbul Veli Efendi Hippodrome. Because the metropolitan powergrid was not sufficient to feed the system which was set up for illuminating the 115,000 sqm area, the Company went through a search for a generator system which is capable in operating at prime rate. The most important factor for the Company was not a product but to proceed with a reliable provider that would present solutions. After the long hours of technical negotiations and investigations, the decision was made in favor of Teksan generator synchronized systems due to its superiorities in meeting the flexible power requirements of the system to be established at Veli Efendi Hippodrome, its reliable infrastructure, capability of conforming with audio insulation and in other technical matters.

Teksan Generator's Solution

Teksan generator, which is among the leading companies of the sector in providing uninterrupted power systems, planned an economic, reliable and flexible system for lighting project of Veli Efendi Hippodrome. In the system where different operation cases are determined for different power requirements, the operator is able to control the power requirements of the system through the computer. Pre-determined power requirements such as Training module,

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Nigh Race module and Live Broadcast Module are planned so that the operator can easily arrange these through the computer. Moreover, the required data is transferred by Teksan to Scada system, which is established in the facilities in order to monitor the parameters relevant to the generator. For the faultless operation of the system, the operators are trained by Teksan Generator's authorities. Meanwhile, container type cabins with special sound insulation for operation at the minimum sound level in order not to disturb the people living nearby tare produced for the power system established in Veli Efendi Hippodrome which is located at a central location of the city.

Results

As a result of this application, all the advantages of the synchronization system are benefitted from. (Low first investment cost, flexible usage, reliable system, service and maintenance ease, ease in delivery and spare parts supply). Minimum sound level is obtained with the container type cabins with sound insulation designed specially in order not to disturb the people living nearby. The system which is designed so that Jockey Club of Turkey may benefit from the city's mains system in future periods, also has the nature to meet the company's targets for the future. As a result, a reliable power system is established thanks to the cooperation of Teksan generator, which searches replies for all the probable power requirements and produces solutions, and the authorities of Jockey Club of Turkey.