

# The Bosphorus Passage Project

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The Bosphorus Passage Project was realized by Turkish Coast Guard Agency to monitor and direct maritime traffic in the Bosphorus and Dardanelles straits, Sea of Marmara and Aegean Sea.

**Sector:** Public

**Project Type:** 2 synchronized generator sets and remote monitoring and control system.

## Customer's requirements

Three new stations will be added to the above mentioned project: Yalova-Armutlu, Tekirdağ-Şarköy ve Çanakkale-Bozcaada stations. In order to expand their range of observation, said radar stations must be built at altitudes as high as possible. However, this necessity automatically require them to be built far from settlements. Therefore, it is a very important need to be able to control their generators from a remote site.

## Solution developed by Teksan Jeneratör

A remote control system was developed to switch the generators on and off, to test them, and to read the basic parameters (fuel level, failures, values of current and phases) of them through the Internet.

The radar stations built for said project were equipped with two synchronized generators built and installed by Teksan Jeneratör to stand by in case of failure of the municipal power network. These generators run as a main generator and a redundant generator respectively.

## Results obtained

Various offices of the Turkish Coast Guard Agency are able to switch the generators on and off, to test them and to read the basic parameters (fuel level, failures, values of current and phases) of them from various long distances through the Internet.