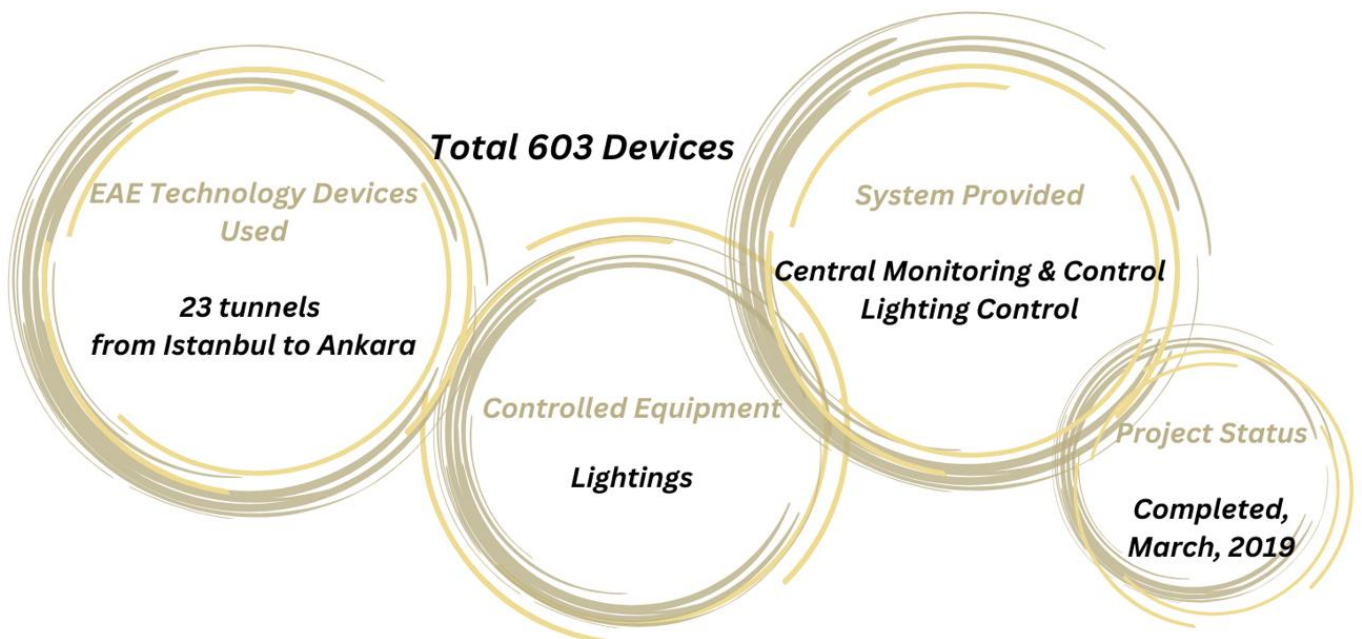# HIGH SPEED TRAIN – Istanbul/Ankara, TURKEY
Case Study

https://www.tcddtasimacilik.gov.tr/tr/yuksek_hizli_tren

Total 603 Devices

EAE Technology Devices Used

23 tunnels from Istanbul to Ankara

Controlled Equipment

Lightings

System Provided

Central Monitoring & Control Lighting Control

Project Status

Completed, March, 2019

Project Scope

The project encompasses a total of 23 tunnels, each equipped with a lighting control system. Cables have been installed, utilizing a fiber optic internet network infrastructure. Communication, control and monitoring of all tunnels are facilitated through EAE KNX IP Routers connected via this fiber infrastructure. Centralized control is managed by server software located in the Bilecik Station Building within the project.

Fault information generated from the field, along with device connection details and lighting statuses, is transmitted to the Building Management System (BMS), allowing for real-time monitoring and control. To achieve this, one of the Central Monitoring and Control software has been implemented.

In this project, conventional motion sensors have been employed to ensure that the lighting system on the railway tracks activates as trains enter the tunnel and remains illuminated until the trains exit.

Used EAE Technology Devices

Panel Devices	Quantity
Switch Actuator	11
IP Router	146
Dali Gateway	290
Universal Interface	156

Universal Interface   Switch Actuator   DALI GATEWAY   IP Router