



CPS



NEW GROUND STATION IN ORIHUELA (ALICANTE)

CONTRACT INFORMATION

ADMINISTRATIVE INFORMATION

TYPE OF CONTRACT:

Technical Assistance Service for the installation project

CONTRACT NAME:

Technical Assistance Service for the New ground station facilities Project of Orihuela, in Alicante.

LOCATION: Orihuela (Alicante)

CONSULTING COMPANY:

CPS Ingenieros, Obra Civil y Medio Ambiente, S.L.

BUDGET: .27.225 € IVA included

CLIENT: UTE Orihuela-Colada (Sacyr)

DATE (BEINNING-END): May 2014-July 2014.

TECHNICAL INFORMATION

Building Construction for the Station:

5 technical rooms, 2 lobbies for Access to underground platforms, two technical rooms on platforms and 2 platforms.

Platforms:

Executions of 2 platforms:

Platform 1: 276.20 meters wide.

Platform 2: 220.00 meters wide.

Total constructed Surface area of 2633 m².

Lobby:

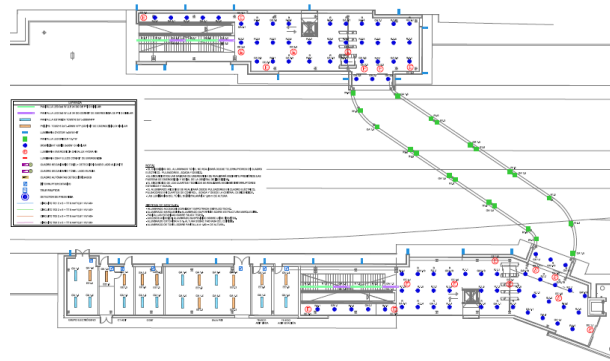
Lobby Access: 318.38 m².

Connection hallways: 187.10 m².

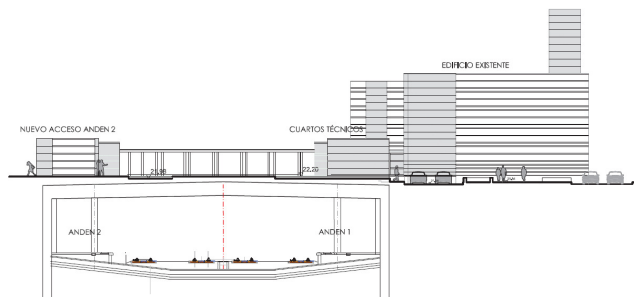
PROJECT OBJECTIVE

The contract objective consists in the service and consulting presentation and assistance in the installation of the underground station of Orihuela. The work features the execution of technical rooms, access to platforms and underground platforms, keeping in mind the Technical Specifications of Adif, Technical Code of the Building and the current regulations of the application for each of the projected installations.

PEROFMRED TASKS



Floor Plan for the illumination of Access to the platforms



Cross Section of the buildings and the platforms

INSTALLATIONS

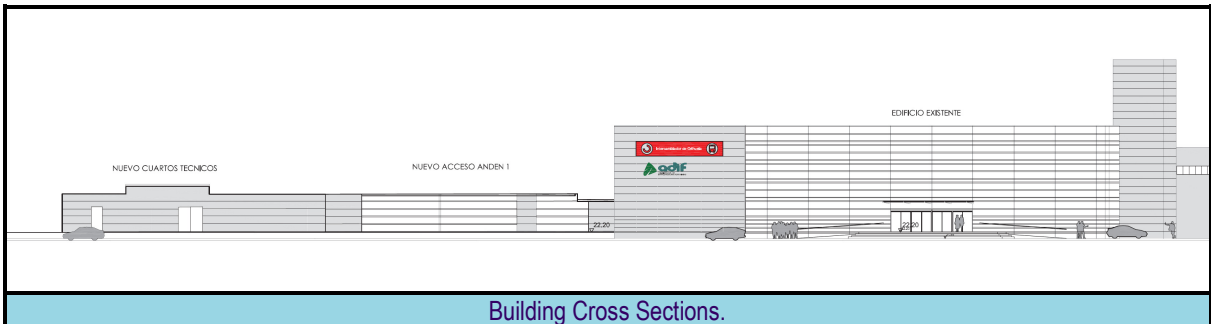
CPS INFRAESTRUCTURAS MOVILIDAD Y MEDIO AMBIENTE, S.L.



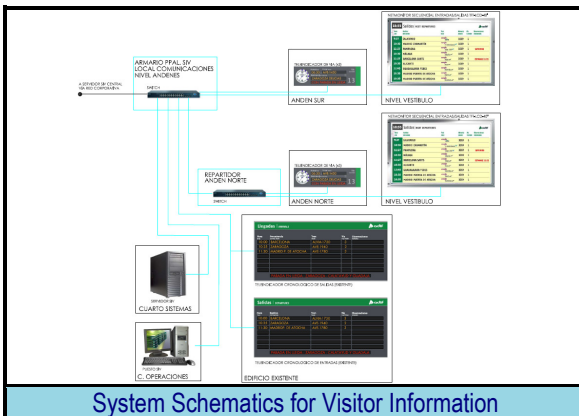
WORK DESCRIPTION

The projected installations are of the following:

- **Medium voltage power supply (20 kV).**
- **Distribution and processing center of subscriber of 800 kVA.**
- **Electric Installation in low tension.**
- **Lighting Installation.**
- **Plumbing and Sanitation**
- **Fire Protection.**
 - Detection
 - Extinguishing with fire hoses, fire hydrants, and dry column.
 - Self-extinguishing by water mist in the escalators and technical rooms.
- **Centralized Management System. (Scada)**
- **Information System for Travelers (Teleindicators, chronometry, public address system)**
- **Closed TV circuit.**
- **Telecommunications and structured cabling.**



Building Cross Sections.



System Schematics for Visitor Information



View of the provisional underground station.