

The Challenge

Line 2 of the Metro of Bucharest, Metrorex, was recently upgraded by Bombardier Transportation. The renewal package consisted of new air-conditioned trains and a new signaling system. The project was partly financed by the European Investment Bank.

Bombardier is divided up into business units and the Swedish unit purchased the signaling part of the upgrade from Bombardier's British signaling unit. The trains were assembled in Romania by Astra Vagoane.



The signaling system is blockless. The driver cabs have computer screens, which display relevant information to the driver such as speed restrictions ahead, tracks and switches, et cetera. This information is transmitted to the train through the rail continuously. The trains can also be operated in driverless mode.

The Solution

Bombardier was stretched for staff for this project. While recruiting was ongoing, they approached Transrail to fill the gap temporarily. Transrail's job was thus to manage the signaling aspect of the metro renewal, representing Bombardier Sweden in contacts with Metrorex and the British signaling unit. The work to be overseen included a delivering a traffic control center, the driver cab displays, and the trackside equipment.

This arrangement demonstrates Transrail's rapid ability to set up project management services as required, to enterprises large and small, in Sweden and Europe.

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