An aerial photograph of the Princess Noura Bint Abdulrahman University for Women campus. The image shows several large, modern buildings with white facades and intricate architectural details. A prominent feature is an elevated automated people mover (APM) system with a white and purple train. The campus is surrounded by lush greenery, including palm trees and other tropical plants. The sky is clear and blue. The image is divided into four triangular sections by white lines that meet at a central point.

**Princess Noura Bint
Abdulrahman
University for Women
Automated People Mover**

Ansaldo STS

A Hitachi Group Company

Princess Noura University for Women: Automated People Mover

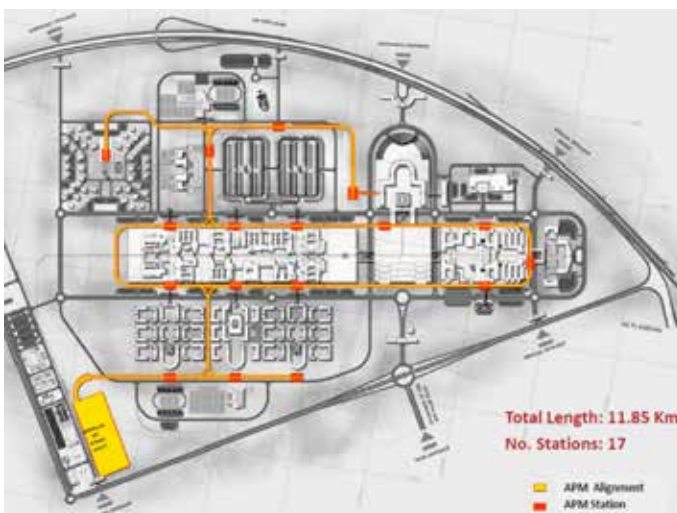
The first Driverless Unattended Metro in the Kingdom of Saudi Arabia

In the North of the Saudi Capital Riyadh, a huge site is under construction in order to host the biggest University in the world in one single site.

The PNU-APM is a 11.5 km of high technology transportation serving the whole campus of the university and enabling the students to access easily to each part of the campus (Faculties, housing, recreation centres ...). The line is completely on a viaduct and has 14 stations and is characterized by a central loop of 6 km.

The main challenge is the implementation of a driverless system in a very difficult climate such as the desert and also customize a dedicated Transportation System serving a well defined category of users (University Students).

The E&M turnkey contract includes: Signaling, Telecom, SCADA, Power Supply and Traction Power, Third Rail, Platform Screen Doors, Automatic Fare Control, Depot System Design & Equipment.



Features

| | |
|---------------------------------------|--------------------------|
| Line length | 11.5 km |
| Min Headway | 90 s |
| Stations | 14 |
| Train capacity (2.5p/m ²) | 110 pass |
| Line capacity (2.5p/m ²) | 4400 pphpd |
| Fleet | 22 (2 car) trains of 29m |
| Commercial speed | 24 km/h |
| Max speed | 60 km/h |
| Third rail power supply | 750 Vdc |
| Under construction | |

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