

Project dossier



PROJECT DOSSIER

Minsk World Multifunctional Complex Project, Belarus

PROJECT OVERVIEW

The Minsk World Multifunctional Complex is a large-scale development project that aims to create a modern, multifunctional urban area in Minsk, the capital city of Belarus. The project is being developed by the state-owned Chinese company in partnership with the Belarusian government.

The complex will include several high-rise buildings, including residential towers, offices, and a hotel. It will also feature a large shopping center, entertainment facilities, restaurants, and green spaces.

The Minsk World Multifunctional Complex project is expected to become a new landmark in the city of Minsk and contribute to the development of the local economy. Construction on the project started in 2019, and it is expected to be completed by 2026.

WHY MONITORING?

Monitoring was required to detect and control any deformation taking place during construction of three high-rise buildings in the city-center of Minsk.

Project	Minsk World Multifunctional Complex Development Project
Location	Minsk, Belarus, Europe
Duration	2022-2023





INSTRUMENTS USED

- **Strain gage**
Model EDS-20V-E embedment strain gages were used to control concrete deformations in various sections of reinforced concrete.
- **Pressure cells**
Model EPS-30V-S earth pressure cells were used to control the pressure of the reinforced concrete on the ground base.
- **Extensometer**
Model EDS-70V-6 6 point borehole extensometers were installed in ~ 100 m deep boreholes. These were used to control the layer-by-layer and total subsidence of the soil under the reinforced concrete.

The instrumentation including around 75 sensors have been supplied through our local marketing associate in the region.



Strain gage

Pressure cell

Borehole extensometer



TUNNELS



HYDROELECTRIC



CONSTRUCTION



STRUCTURAL



METRO & RAIL



BRIDGES



MINING