

UBY Structure

STRUCTURAL AND GEOTECHNICAL MONITORING



Monitor the true impact of construction activities on your site and other nearby infrastructure using geotechnical and structural monitoring. Optimise your construction processes and ensure the safety of individuals and assets.



All geotechnical and structural data is integrated within the platform and displayed visually



Compare predicted and observed behaviours



Check all information in real time to proceed safely and optimise progress



Receive alerts in real time and resolve issues immediately



Assess structural behaviour with rich, visual displays



Customise and schedule automated reports

SOLUTION

UBY STRUCTURE



The smartest sensors on the market are deployed according to your project's exact needs, including: piezometers, vibrometers, tiltmeters / inclinometers, Total stations / theodolites.

Cutting-edge software creates a visual map of the monitoring data gathered, with overlaid indicators to assist construction managers and engineers. Receive alerts if trigger thresholds are breached. Define and schedule automated reports, which can be shared with project.

- ▶ Simplify and centralise your geotechnical monitoring,
- ▶ Exercise complete control over viewing and processing of your secured cloud data,
- ▶ Get alerts in real time and respond immediately to unanticipated events.

Case study



Paris RER E rail extension works

Contractors tasked with digging a 6-kilometre tunnel turned to UBY for a monitoring solution. Instruments were deployed to cover 700 buildings and all nearby roads. Important historical monuments were present within the potentially affected area. Other data, including from groundwater monitoring, was also required.

Value : 1.9M€
Project duration : 37 months