

Structural and Geotechnical Instrumentation and Monitoring

FOSTA specialises in large-scale structural, geotechnical and environmental instrumentation and monitoring services. We, the multi-competence service company, develop dedicated IT measurement and analysis tools, providing accident prevention and security in the construction and environmental protection industries.

Instrumentation

The heart of our business lies at the cross-roads between three fields of expertise: site management, information technology and geotechnics. After rigorous analysing all relevant information, we install measurement sensors specially adapted to any situations.

Analysis

Measurement results are presented in reports, most of which feature graphical plots. Since each project is different, all the systems elaborated by us are design to respond to specific challenges.

Real Time

Information technology plays an increasingly important role in the construction and environmental protection industries, providing efficiency and transparency and reducing costs.

Measurement

We install and implement measurement systems piloted by data acquisition and management software.

Alarm Systems

In the modern world, risk is un acceptable. Conscious of this factor, we instantly alerts all parties concerned of any problems that may arise.

Security

We rapidly deliver clear and reliable information to ensure the safety of both people and the environment.

Projects:



Sight of the Hotel Hermitage. 16 triaxiaux sensors were installed on the architectonic structures of the building

Monaco: Real time vibration monitoring of a hotel during an excavation with explosive



Tsuen Wan Station under construction



Installation of prism on the bypass

Hong Kong, West Rail: Monitoring of cut & cover station and tunnels built on reclaimed land adjacent to an elevated highway structure



CYCLOPS at Tsuen Wan



Cyclops monitoring St Pancras

Kings Cross Station, London Underground, UK: Monitoring of buildings and metro stations during excavation of a new ticket hall



Holland, Amsterdam: Automatic monitoring of city buildings during realisation of a new subway line: 2000-2007