



Teatro Colon, Bogotá, Colombia



PROJECT SUMMARY

NAME: Teatro Colon Extension

DATE: 2018

CLIENT: Ministry of Culture

INSTRUMENTATION SPECIALIST: Aginteco



OVERVIEW

As part of extensive modernisation of the theatre demolition and deep excavations for a new stage tower, halls and services for Teatro Colón were necessary.

The original theatre is situated within a dense urban area and the priority was to minimise the negative impact that the construction might have on its fragile, historic surroundings. The project involved the careful connection of two very dissimilar building forms, as well as the reinforcement of the pedestrian Calle 11 and the consolidation of the back of Bogotá's cathedral.

MONITORING

In order to stabilise the surrounding buildings and the excavation multiple strand anchors were installed to tie back the retaining walls.

Vibrating wire load cells were installed on several strand anchors to monitor the load during construction.

PRODUCTS USED

VWLC-5000 1250kN Anchor Load Cell

For monitoring loads within ground anchors.

VWR-1 Manual Readout

Manual readout for all VW sensors.