



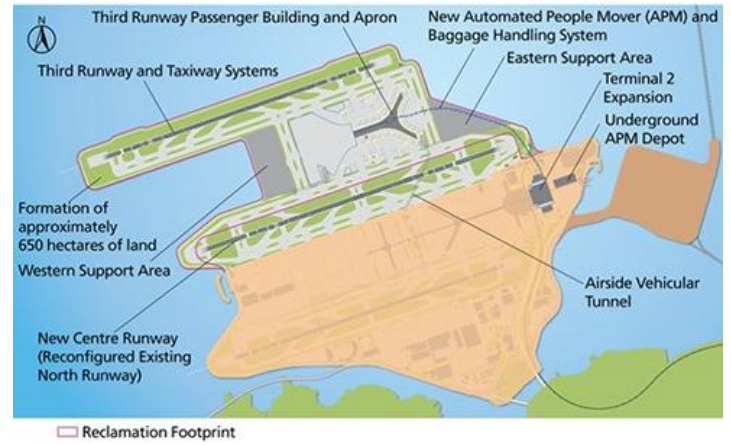
Hong Kong Airport, Contract 3206

Monitoring during the reclamation works of the Hong Kong International Airport

Transforming your infrastructure into living assets



Third runway representation



Tree-Runway System layout

Engineering Services

Monitoring Services

Platform Solutions

Mapping Services



Hong Kong
China



Started in 2019
48 months



Airport Authority
ZHEC-CCCC-CDC JV /
GOLDRAM

Key figures

1 500
4D-BLOC

600
Piezometers

130
4D-SHAPE

130
multipoint
extensometers

650 hectares claimed on the sea

Third Runway System is THE major civil works project of Hong Kong for the years 2020 - 2030.

Currently, Hong Kong International Airport, with more than 74M passengers per year, is near full capacity and it needs to expand to remain one of the top tier Airports in the Asia region.

This expansion includes reclamation of around 650 hectares of land north of the existing airport to build a third runway and a new building terminal.

Innovative technologies

SIXENSE provides the monitoring of the fill during the titanic main reclamation works (3206 contract).

As Airport Authority asks for continuous monitoring of the data, the thousands of sensors installed in the fill and on the surface are all automatized.

In particular, SIXENSE deploys its new technologies 4D-SHAPE (accelerometer chain) and 4D-BLOC (GPS settlement marker) for measuring deformation inside the fill and the global settlement of the reclamation.

With an amount of 20 Million Euros, it is one of the biggest monitoring contracts ever signed by SIXENSE so far.

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