

Singapore Exchange Centre: 14m deep excavation in thick soft marine clay

Work undertaken

- Jet-grouting design and installation in soft marine clay conditions
- Stability analysis and temporary retaining design
- FEM analysis for the disturbance of jet-grouting installation on surrounding buildings
- Installation of settlement marker, inclinometer and pneumatic gauge for site monitoring system
- Light jet-grouting design for the conjunction between diaphragm wall and jet-grouting floor
- Detail analysis and method statement for disturbance control

