

CASE STUDY – *Selfridges, Oxford Street*

- **Client:**
Selfridges & Co
- **Structural Engineer:**
AKS Ward/Lister Beare
- **Principal Contractor:**
Stonewest Limited
- **Value:** £6.5million
- **Date:** 2008-2009



The works involved:

- Loss of building fabric from high level leading to the development and erection of a bespoke designed scaffold erected off the first floor cill and cantilevered at high level to provide protection from falling materials and an inspection/working platform for further works; carried out in normal working hours over Oxford Street and the surrounding streets.
- Stone work and steel work investigations at high level both internally and externally to the building. Removal of key elements of the fifth floor cornice to examine patterns of corrosion and reasons for loss of fabric.
- Following examination of the steelwork, development through trials and design of a bespoke extensive Cathodic Protection system to protect the steel work from corrosion in key areas of the fifth floor cornice. Design of fixings to support modillion stones and design and introduction of a secondary system of steel beam supports to carry the huge cornice stones of the original 1909 section of the building where the original steels could not be guaranteed.
- General cleaning using Doff system and Hodge Clemco abrasive clean to decorative steel panels at high level, to investigate fixings and potential paint schemes.
- Installation of new lighting scheme and provision of new lead and asphalt.