

Case Study: Sentech SOC Limited Concrete Rehabilitation

Client: SENTECH SOC Limited

Location: Brixton, Johannesburg

Project Duration: July 2020 - November 2021

Sector: Infrastructure Rehabilitation - Civils and Structures

Project Overview

Axsys Projects completed comprehensive concrete rehabilitation work on the iconic Sentech telecommunications tower in Brixton. The project addressed structural concrete deterioration at significant height, requiring specialised access systems and advanced concrete repair techniques.

This high-profile project demanded exceptional safety standards and technical expertise for working at extreme heights on critical telecommunications infrastructure.

Key Deliverables

- Specialised external access systems and temporary works
- Concrete demolition and spalling removal at height
- Structural repairs using proprietary grout systems
- Protective coating applications for long-term durability
- Replacement of existing fenestration systems
- Installation of new stainless steel handrail systems
- Porthole closure and weatherproofing
- Rotunda roof waterproofing and renovation
- Interior design and decoration works

Technical Expertise

The project required advanced capabilities in:

- Working at extreme heights with specialised access equipment
- Concrete rehabilitation using modern materials and techniques
- Structural assessment and repair methodology
- Weather protection and environmental management
- Coordination with active telecommunications operations

Safety Excellence

- Comprehensive safety management for high-altitude work

- Specialised rope access and scaffolding systems
- Weather-dependent work scheduling and risk management
- Continuous safety monitoring and protocol adherence

Heritage and Aesthetic Considerations

- Preservation of the tower's iconic architectural features
- High-quality finishes appropriate for a landmark structure
- Coordination with heritage and planning requirements
- Restoration of original design intent whilst improving performance

Project Classification: Specialised Rehabilitation

Contract Type: Concrete Restoration and Refurbishment