



## HMP Perth, Masterplanning

### THE TASK

The objective was to renew the whole estate at HMP Perth, in order to provide a prison fit for purpose for the twenty first century. Not all of the existing residential buildings on the site had integral cell sanitation, which contravened Human Rights legislation. Although many of the existing buildings were grade A listed by Historic Scotland, internal adaptation was not practically possible for the C Hall. Negotiation was necessary with the Statutory Authorities, and parallel with this it was necessary to prepare a phased master plan for replacement of existing residential, health, gymnasium, workshop and educational facilities to provide a fit for purpose prison facility on a constrained site, whilst retaining the majority of the Listed historic structures. The landmark Grade 'A' Listed double range of halls fronting the Edinburgh Road were adapted to current requirements prior to the commencement of AMEC's work on site.

### THE DESIGN

A constrained palette of materials, Yorkstone blockwork, Slate Grey coloured metal roofs and silver cladding panels create a unity between buildings of different sizes and functions and provide harmony with the retained Listed structures. Consideration was given in developing building massing of public views into the site, including from the Kinnoul Hill.

The first phase of the new development was the creation of a new energy centre, together with the kitchen, workshops and educational facilities for the prisoners forming the Regimes building. It was necessary to complete this first in order to free a site within the highest security area of the prison for the new residential building and health/gymnasium/prisoner reception which comprised Phase 2. Phase 3 will be adaptation of the existing control centre and creation of a new staff facilities and visitor reception, providing a new public face to the prison to the Edinburgh Road.

### PROJECT PROFILE



#### CLIENT

- Scottish Prison Service
- Amec

#### PROJECT VALUE

- Phase 1: £18 million
- Phase 2: £25 million
- Phase 3: pending

#### PROJECT TYPE

Masterplanning (industrial)

#### SERVICES

- Masterplanning
- Architecture
- Civil & Structural Eng
- M&E Eng
- Landscaping
- Environmental Impact Assessment
- Traffic assessment
- Green Travel Plan

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Development of the masterplan including arrangement of the building took into account a 5 metre drop between the upper and lower sites. Cut and fill was minimised along with retention structures. A system for on site water retention was necessary to deal with flooding issues in the adjacent river Tay.

Due to site constraints it was necessary to stack facilities within the Ancillary Building, with prisoners reception and health centre located on the ground floor, offices and storage on the first and gymnasium and located on the second floor. The planning of this building allows for natural daylight and ventilation to penetrate this building and is strategically central to the residential complex.

## THE SERVICE

TPS were able to work as Lead Consultant with AMEC and SPS to provide solutions to complex logistical and construction problems. At all times through out the project the majority of the prison remained active, this had to be taken into account both in the resolution and implementation of the site masterplan. Maintaining security and services had a major impact on M&E design. This demonstrated the advantage of using TPS's multi-disciplinary range of services.

TPS also acted as main consultant for the restoration of the Grade 'A' Listed 3 storey Crescent linking the retained original halls and successfully conducted negotiations with Historic Scotland and the local planning authority.

## THE RESULT

The result of the masterplanning and design has been that Scottish Prison Service are able to convert a site with antiquated buildings into a prison fit for purpose for the twenty first century, including new residential accommodation and educational facilities to assist prisoners to successfully integrate back within society on release. This has been accomplished whilst retaining the most architecturally significant buildings, in the context of maintaining security within a live prison site.



### START DATE

- Phase 1: June 2003
- Phase 2: Nov 2004
- Phase 3: Pending

### COMPLETION DATE

- Phase 1: Dec 2005
- Phase 2: Aug 2007
- Phase 3: TBC

### PROJECT PARTNERS

- Contractor: Amec
- Structural Engineer: AD&M
- Acoustic consultant: Hamilton McGregor

### FURTHER DETAILS

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