NHS Stockport

St Thomas' Community Hospital, Stockport Sustainability

Interserve

Case Study

Background

NHS Stockport has ambitious plans for both primary and community health services in the Stockport area. With regards to the St Thomas' site, this will result in significant and sustainable health improvements within the local community, the removal and redevelopment of a large derelict site in an important regeneration area, and the delivery of a nationally significant project for the healthcare sector.

The innovative community hospital will be one of the first to be delivered nationally, providing an exemplar social enterprise model which will shape the roll out of similar centres across the country.

The facility will offer an improved range of primary care, health and well-being services, diagnostic and treatment centre facilities and wider community initiatives; providing the entire population of Stockport with enhanced facilities at more accessible times.

The Project

The proposal involves the demolition of existing buildings on the site which formed part of the old St Thomas' Hospital. It is anticipated that much of the material earmarked for removal from site can be salvaged for re-use off site or on site as ground infill or as part of the landscape strategy. The development consists of a single, 3 storey block which will be split into three 'wings' with a central glazed hub. The building will comprise of 6,700 sqm of floorspace and will deliver a range of healthcare and community facilities including the following:

- 5 GP surgeries
- Early intervention services (EIS) / Clinical Assessment and Treatment Services (CATS).
- Healthy living centre incorporates Health Education Services and Consultation
- Social Enterprise café
- Pharmacy
- Community facilities

The new facility will also provide a dedicated external area for mobile diagnostic vehicles which will access the site via Mulberry Mount Street. Patients will access these vehicles via a direct link to the patient X-ray change and wait facilities in the EIS wing of the building.

Incorporating Sustainability

Incorporated in the design concept is the maximisation of standardisation and modular construction opportunities. Room sizes have been optimised to ensure maximum flexibility in use and the majority of the external façade is made up of just six panel variants including window and brise soleil components.

With the aim to achieve BREEAM Excellent rating on the scheme, the following sustainable solutions have been incorporated into the scheme:

- Utilising thermal mass of the building for long term CO2 reductions
- Highly insulated building
- Solar shading to control solar gains, thermal mass and thermal fabric performance
- Ground source heat pumps
- Woodchip/Biomass boiler
- Green roof to reduce rain water run off, produce oxygen and increase life expectancy of the roof membrane

It is anticipated that the sustainable solutions will save the Trust 115 tonnes of Carbon Dioxide per year.

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