

2. Land Use

HIGHLY COMMENDED

Åkvarteren, Lomma Hamn (Sweden)

Client: Skanska Nya Hem | Designers: Tyréns, Sydväst, Sweco
Contractors: Skanska Väg & Anläggning Syd

DESCRIPTION: Åkvarteren is a 25,000 m² regeneration project to create a residential development in a former industrial landscape at Lomma Harbour, Sweden. The site is situated on an area historically reclaimed from the sea using dredging and other fill materials. The works comprise the demolition of old industrial buildings, paved surfaces, remediation to treat contamination, new water and sewage systems, construction of new access routes, foundation works for houses to be built, and landscape paving and planting. The project started in 2007 and two (of three) sections were completed and occupied by the end of 2011.

ACHIEVEMENTS: Desk-study and sampling of soils on or below ground level to establish pollutants and pollution levels throughout the site for mass balance on site; 100% reuse of sand, tarmac, bricks and concrete within the project; 5,000 tonnes of tarmac and 3,500 tonnes of concrete have been beneficially reused within the site; 75% reuse of excavated materials within the project; Preservation of existing willow trees along the river promenade.

JUDGES' QUOTE: *The use of an innovative "Sudoku" grid style approach to the categorisation of contaminated materials has resulted in the implementation of a practical system on a relatively modest scale project. This has resulted in significant re-use of contaminated material and no requirement for imported virgin material.*



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