

## **Net-zero building**

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### **Abstract**

In its experimental work on research and development of innovative technologies for low income housing on the Innovation Site on the CSIR campus in Pretoria, the Building Science and Technology (BST) competence area identified a number of interventions where innovative technologies could realise substantial building performance improvements. A central challenge to construction and building performance is located in the practice of constructing a building on the project site using a combination of raw materials, semi-raw materials, and finished materials employing a number of tradesmen, skilled and unskilled.