



Client: Stavanger Kommune
Date: June 2006
Status: Competition Entry

01 Description

Norway has a rich history of timber building construction. Existing timber structures have a long design lifespan and are cherished in the community. The methods of construction allow for flexibility of use, capable of being moved if required for maintenance or revised town planning requirements.

Our design proposal builds on this tradition and provides additional innovation in the way components are fabricated, transported and assembled at the Siriskjaer site.

Designed to investigate the use off-site construction and timber technology, Norwegian Wood redefines the possibilities of modular construction using locally sourced materials to form new sustainable communities. The houses and flats are orientated to make best use of local climate conditions in order that passive technologies can be used to provide heating for the community.



- Illustrations
- 1/ The site in Stavanger, Norway
 - 2/ Rapid prototype model of the proposed scheme
 - 3/ A historic timber building in Stavanger being temporarily moved during infrastructure improvements
 - 4/ Sectional perspective through a typical dwelling unit
 - 5/ Aerial perspective of the proposal



02 A manufacturing process

The proposals for the 'New timber City' takes advantage of existing manufacturing facilities in Stavanger. The shipyard offers extensive fabrication capability in purpose built factories.

Material is delivered directly to the shipyard factory from local sustainably managed forests, where structural timber components are fabricated.

The skilled workforce trained in shipbuilding can be utilised to prefabricate dwellings components and complete houses. A new sustainable industry is created for Stavanger.

- Illustrations
- 7/ Masterplan
 - 8/ Aerial perspective showing secure dwelling courts
 - 9/ The new marina

