



Commercial buildings

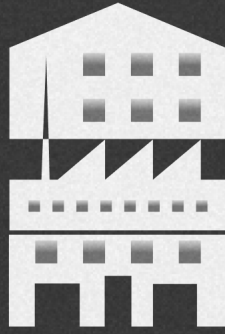
Urban Manufacturing

2021

"Urban Manufacturing," located in Nyhavna, Trondheim's industrial port, vertically integrates textile production with retail and office spaces.

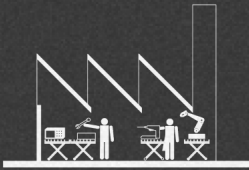
It leverages new fabrication methods that minimize environmental impact and create urban opportunities. By exploring architecture's role in enabling compact, flexible work environments—where factories may fit into a bedroom and traditional workplace definitions dissolve—this project aims to stimulate economic growth, address climate challenges, and promote social inclusivity.

Bjarte Knobel



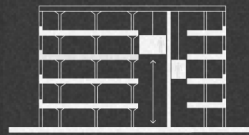
The concept was based on research produced by the urbanist movement Cities of making, the book The design of urban manufacturing, a deep understanding of the site and of global challenges. These components drove the development of the concept and led us to the end result. An excerpt from design strategies are listed below.

Shared making spaces and technology:



Smart use of shared space and technology can increase accessibility to expensive equipment, enhance efficiency, and encourage knowledge transfer between manufacturers.

Enabling Vertical Production:



Goods lifts and heavy load-bearing floors in multi-story buildings facilitate industrial intensification and adaptability to changing space demands.

Combining complementary production with related services:



By integrating complementary manufacturing processes with related services, we establish efficient workflows and unlock resource and knowledge synergies through cross-sectoral innovation.



Section - Final result

