FABRIC

Site: Lágmúli, Reykjavík

Project Summary **Contributing towards a better, healthier and greener city, *FABRIC* creates a hub for health, wellness and sustainable lifestyles, creating a unique opportunity to showcase a new era in construction and a beacon of sustainable design in the City of Reykjavík.**

The project aims to reduce its overall carbon footprint by opting for low-carbon construction materials.

FABRIC incentivizes alternative and communal ways of living and working, mixing co-habitational housing, shared office space, public space, service and retail. A green ribbon throughout the building embodies many roles, from communal spaces and circulation, to events and greenhouse areas.

FABRIC focuses on delivering an exemplary architecture in the City of Reykjavík where forward-minded businesses and individuals are given a chance to thrive in a communal, open building, designed for a healthier and better future.



Key Components & Solutions

→ Fabric integrates residential co-living and co-working spaces in a **very low-energy building.** The project will reduce the energy demand by 30% compared to BAU.

→ Oriented towards the South, all ventilation systems are to be equipped with waste heat recovery. Particular attention is paid to reduce energy demand of the greenhouses.

→ Emissions from construction are minimized by using low-carbon materials such as Icelandic stone wool, which is produced locally, as well as timber cladding and cross-laminated timber (CLT). Waste to landfill is minimized; 95% of waste to be diverted from landfills.

→ Biodiversity is an important part of the project. The creation of green walls and roofs, greenhouses and a thermal winter garden will function as a wind shelter and be used for social events.

Main members of the team

Team leader: REGINN HF
Architects: BASALT ARCHITECTS
Environmental expert: EFLA CONSULTING ENGINEERS

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Reinventing Cities





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