

# PU062 SKAVSTA ENERGIZED

## GENERAL IDEA

With Skavsta Energized we have created a green and livable district for commercial use, based on today's environmental conditions and materials. The concept shows a future-oriented and self-sufficient area tackling major challenges in the Swedish society, such as the availability of affordable energy, biodiversity, and the lack of commercial space in the greater Stockholm region.

The district is characterized by a mix of diverse functions which are reflected in the urban design concept offering great commercial value to the area. It is embedded in a clear urban setting of rows and block structures of different granularity. Energy is an integral part of the quarter - visibly integrated into the design and with the aim to form a positive energy district. This is combined with carefully selected urban design elements that focus on making nature a tangible asset for everyone.

In line with the non-tabularasa approach of the EUROPAN competition, the design creates ecological added value through animal-aided design in balance between man and nature.

A main differentiator of the design idea is the truly sustainable energy concept. The energy design follows three general guidelines and is reflected in the 10-point energy plan.

1. Pushing the standards for energy efficiency: Setting the highest possible requirements for energy efficiency of buildings and energy usage.
2. Maximize the available space for renewable energy production; visually integrate energy production into the design of urban space.
3. Enabling local communities: create a space where consumers monetary benefit from local energy production but need to take responsibility for their energy consumption.

Technology-wise the energy concept focuses on solar energy production, advances metering, and short-term battery storage connected via a smart energy management system.

The guiding principle of open space planning is to intervene as little as possible in the established habitat and to embed the newly created structures carefully into the landscape. A ramp coming from the station square becomes an elevated path as it runs south. The path crosses through the whole planning area and is connected to the regional path in the south.



visualisation of a non tabularasa concept | implementation of a wooden high path to experience the rich nature of Nyköping



overall siteplan