



## Greenhouse Augustenborg An innovative, spearhead, Sustainable Housing project.

MKB Fastighet AB is Malmö's largest housing provider. The company is very active in working for a dense, but sustainable town expansion. During the everyday management of its property stock, the company receives a growing number of requests from its tenants. These residents ask if it is possible for them to actively engage in achieving and ensuring a sustainable life style for their selves and their families. These requests range from the possibility of growing their own vegetables and separating refuse, pre-collection, to leaner living whilst maintaining high standards of accommodation.



Greenhouse Augustenborg to MKB Fastighets AB 2011-02-09 Janina Ahlander AB

Greenhouse Augustenborg is a spearhead project for developing sustainable housing. Housing that is innovative in its approach to energy use, incorporating the use of environmental technique, cultivation, tenants' life style and social cohesion. This project is designed to allow tenants to live in a town, whilst at the same time to live Green.

MKB's aim is to offer its tenants straightforward and practical solutions that will help in giving insight and inspiration into those areas which tenants can directly influence themselves such as, heat and hot water usage, electricity utilization, refuse disposal and transport. All materials used within MKB Greenhouse Augustenborg will conform to long term sustainable standards, including the products life-cycle and the manufacturing process.

### Greenhouse Augustenborg

This is a continuation of the Ekostaden Augustenborg project. Augustenborg was built between 1948 and 1952 and is now internationally renowned for its sustainable town development, positioning. Today, many categories of environmental technique play a central role in Ekostaden Augustenborg, such as the surface water management system, extensive green roofing and the separation of refuse pre-collection, cabins. Today, MKB's Ekostaden Augustenborg, acts as the incubator for new environmental ideas and initiatives. When these ideas have been tried, tested and proven under actual conditions in the field, they can then be used in other housing estates and in all future housing developments.

The idea with the Greenhouse Augustenborg building is to complement existing housing with a new urban space, a space that will introduce many new qualities to the area. In the 1950's an industrial laundry was built in the centre of Augustenborg. It is now no longer a laundry, but used as a warehouse. The site will be utilized for Greenhouse Augustenborg which will be a 13 to 15 floor construction, containing 30 to 50 apartments. The building will include not only housing, as other services will be made available.

MKB plan to accommodate an Innovation Hub in the building. To be used for designing and testing new, sustainable ideas for the urban environment. The company wishes to bring into being a milieu that promotes a modern, healthy lifestyle based on strong social cohesion, including cultural and wholesome recreational activities.

### **Information sheet for Greenhouse Augustenborg**

Greenhouse will provide a direct route towards long-term conservation of resources. It will help reduce waste, both in the building stage and when occupied by residents. Approaching the project with an integrated view will make certain the building achieves high environmental standards whilst bringing about long-term financial goals. Creating a carefully structured modus operandi will ensure tough environmental objectives are met.

Climate smart construction techniques will be used to reduce energy use and help maintain a healthy internal climate. All construction materials will be approved environmentally friendly. Systems and processes which allow residents to conserve energy and live in a sustainable manner will be the basis for all product selection.

All plans and actions will be sensitive to the needs and desires of those currently in residence in Augustenborg Ekostaden. The fundamental idea of Greenhouse is to co-operate with residents and other parties who are interested in achieving a sustainable life-style, therefore, the building will be designed and constructed in close dialog with them.

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