

MountEE - mountEE: Energy efficient and sustainable building
in European municipalities in mountain regions
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GOOD PRACTICE SUSTAINABLE BUILDINGS
CATEGORY SUSTAINABLE BUILDINGS

“Bäckåsen” – a low energy building in Gällivare

Region / local area considered: Sweden	Good practice submitted by Nenet Energy Agency
1) Short description of the action/strategy/project (200-400 characters) Title of the building project: "Bäckåsen" – a low energy building in Gällivare Short summary of the building project: A low energy house in Northern Sweden built with industrial methods. Power consumption is less than 75 kWh/m ² and a density lower than 0.4 l/m ² s. The building is as Environmentally Classified Building Silver.	
2) Background (500-700 characters) <ul style="list-style-type: none"> • The cold climate in the northern parts of Sweden makes great demands on the construction work to achieve high energy efficiency. • The 100% governmentally owned mining company LKAB has been mining in the area of Kiruna and Gällivare/Malmberget for more than 100 years. The expansion of the iron ore fields around the mining industry in Gällivare result in a huge demand for new housings. • Bäckåsen, bully by Lindbäcks Bygg, is the first construction of apartment buildings in Malmberget in the last 50 years. 	
3) Detailed project/program description (1000-1400 characters) Targets of the project: <ul style="list-style-type: none"> • Contributing to sustainability targets in new residential areas as described in planning document "New Vision Gällivare"; • Creating new living space in a phase of change due to a growing mining area; • Developing prefabricated low-energy-houses for Northern climate Expected long term and indirect benefits: <ul style="list-style-type: none"> • Attractive modern neighbourhoods in Gällivare; • Strengthening building industries competence to build low-energy houses for the Northern climate at reasonable costs; Target group(s): <ul style="list-style-type: none"> • Possible tenants; • Building industry; • Gällivare municipality. Technical description of project: A low energy house in Northern Sweden built with industrial methods. Power consumption is less than 75 kWh/m ² and density lower than 0.4 l/m ² s. The building is as Environmental-ly Classified Building Silver.	
4) Funding/financing/costs (200-400 characters)	

Funding: Mining company LKAB and Lågan programme

5) Main results (800-1200 characters)

A low energy house in Northern Sweden built with industrial methods. Power consumption is less than 75 kWh/m² and density lower than 0.4 l/m²s. The building is classified as Environmentally Building Silver.

6) Analysis – lessons learnt and success factors (600-800 characters)

Have you encountered difficulties?

- A better result could have been achieved through a better place and a more adapted shape of the house.

Drivers and success factors

- Need for new living space;
- Future legal requirements;
- Certification system;
- Funding through Lågan programme;
- Sustainability as one of the strategic priorities for New Vision Gällivare.

7) Time frame

Start date: 2010

End date: 2012

8) Contact

Organisation: Nenet

Name contact person: Wolfgang Mehl

Phone: +46 (0)70 201 37 48

Email : wolfgang@nenet.se

Web site: www.nenet.se

9) Add Logo and 2-3 pictures or diagrams if appropriate!