



AGILite

Developing the digital and entrepreneurial competences
of VET trainers to support agile entrepreneurship training



- The Nature House concept
- Sweden
- 1970's
- Idea - to stop global warming



The initiative

The Nature House concept (or Naturhus in Swedish) was developed by Swedish architect Bengt Warne - an innovative master who developed an integrated biodynamic living concept called Naturhus, essentially putting a home inside a greenhouse.

Time frame

In the 1970s, Swedish eco-architect Bengt Warne built his radical Nature House. Essentially a conventional home wrapped within a greenhouse, the Nature House served not only as a testbed and research center, but a home where he and his family actually lived, warmed year-round by the sun.

Over a decade ago, French engineer Charles Sacilotto had become intrigued by the Nature House idea. "I thought it was a kind of Utopia to live like that," he told Radio Sweden. Sacilotto reached out to Warne, and the architect designed a greenhouse for Sacilotto's home in Sweden.

Areas of Focus

The Nature House concept means low energy consumption, environmentally friendly building materials, solar cells and a local sewage recycling system with plant beds.

People Behind the Case Study

Swedish architect Bengt Warne
and
French engineer Charles Sacilotto

THE JOURNEY

Finance

Inspired by this concept, Swedish couple chose to build a 4mm thick glass house around an existing house for \$84,000, instead of constructing a brand new naturhus on a plot of land. Then they retrofitted the existing home to become more sustainable, including redesigning their sewage system to be more eco-friendly, collecting rainwater, and composting all kitchen waste.

Outcomes to date

Warne passed away in 2006, but Solvarm has become an integral asset to the naturhus movement. Mainly regarding two companies he's a part of, Naturhusvillan, whose mission is to make these greenhouse homes more accessible to the public, and Greenhouse Living, which consults for larger commercial projects.

Currently, the houses consist of an insulated core – a living area, that is surrounded by a climate shell – a greenhouse. The greenhouse sets the inner core temperature to a warmer climate and provides sheltered “outdoor space” from the cold northern winter. It gives you the possibility to grow plants from warmer climate zones and preheats air for ventilation.

Origins

Sweden

Why it's relevant to AGILITe

Global Warming has arrived, and things aren't about to get any easier. There indeed is much about climate change that is out of our control. Nature is a powerful force we'd disturbed too many times with ignorant decisions, and we're only beginning to pay for decades of mistakes.

Naturhus concept conveys to citizens the knowledge, experience and responsibility to make the way we live more sustainable; delivers an eco-friendly sustainable house for general use.

REFLECTION & DISCUSSION POINTS

Now, try to answer the following questions without using additional sources:

- 1) What do you think of when you hear the word "energy"?
- 2) In your daily life, what energy do you use?
- 3) What is renewable energy? What are the examples of renewables and non-renewables?

Feel free to create a digital publication with your thoughts and share it with your peers on social media.

MORE INFORMATION

Website: <https://www.youtube.com/watch?v=30ghnDOFbNQ>

Contacts: <https://naturvillan.com/about-us/>

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Co-funded by the
Erasmus+ Programme
of the European Union

"The European Commission's support of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission can not be held responsible for any use which may be made of the information therein." Project Number: 2020-1-IE01-KA226-VET-082937