EcoCity Augustenborg
&
Augustenborg’s Botanical Roof Garden

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Scandinavian Green Roof Association - Promoting the use of green roofs as a part of sustainable urban development.

- Information
- Inspiration
- Research
The Botanical Roof Garden at Augustenborg
- Extensive
- Semi-intensive
- Intensive
- Extensive
- Semi-intensive
- Intensive
• Extensive
• Semi-intensive
• Intensive
Why?

- Energy
- Climate
- Health
- Ecology
- Water
- Aesthetics
• Reduced heat loss through wind chill
• Less need for air conditioning
• Longer life span of roof membrane
• Solar energy

Economic and environmental gains
• Better micro climate
• Reduce the Heat Island Effect
• Can be designed to reduce CO$_2$
The Heat Island Effect – human aspects
Noise reduction
Electromagnetic radiation
Particles in the air get trapped
Higher moisture content
Green environment crucial to health and well being
• Green corridors
• Habitats for wildlife
• Native flora
• Water retention
• Green roofs in combination with canals and ponds
• Economic savings
• Less pollution of the oceans
Aesthetics
Construction

- Vegetation
- Soil layers
- Drainage
- Non-permeable membrane
- Roof construction