

# EcoMart: A Sustainable Supermarket Solution Using Wood

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- supported by
- Visegrad Fund
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# **Wood for Life Foundation (Nadace Dřevo pro život)**

**Aims:** promoting the use of wood as a domestic, fully renewable, ecological raw material, spreading awareness about the use of wood and the environment

**Competition:** Wooden Building of the Year – financed by the Ministry of Agriculture

# Wooden Building of the Year competition - nature-friendly, environmentally friendly housing, variability of wooden buildings



Dřevěná stavba roku 2023



# Skuteč Penny Market

First all-wooden shop in the Czech Republic

Wood as a renewable resource - stores CO2 from the environment (for production of a cubic metre of reinforced concrete - 500 kg of CO2)



Completed by A2 Timber, November 2022  
Ministry of Industry and Trade Award category won in 2023





# ESyCool Green Cooling and AC

Cooling and freezing boxes, heating and air conditioning

95% lower refrigerant costs than conventional cooling systems

Energy savings compared to CO2 by more than 20%



# LED lighting



## Electronic display price tags





# Electric vehicle charging station



# Photovoltaic power plant

Covers up to 40% electricity consumption





# Material

400 m<sup>3</sup> of wood from sustainably managed forests - 99% of the material for the structure is solid wood

17 m<sup>3</sup> of Thermowood timber facade

For every tree felled, one to three new ones are planted in the original forest



**PENNY**  
Skuteč

**M**  
MASO  
UZENINY  
KARLOVAC

Vítáme vás ve skutečně  
zelenější prodejně.



100%  
zelená  
stavba



Ekologický  
základní  
základ



LED  
světlení



Nakupujte hezky český

**PENNY**

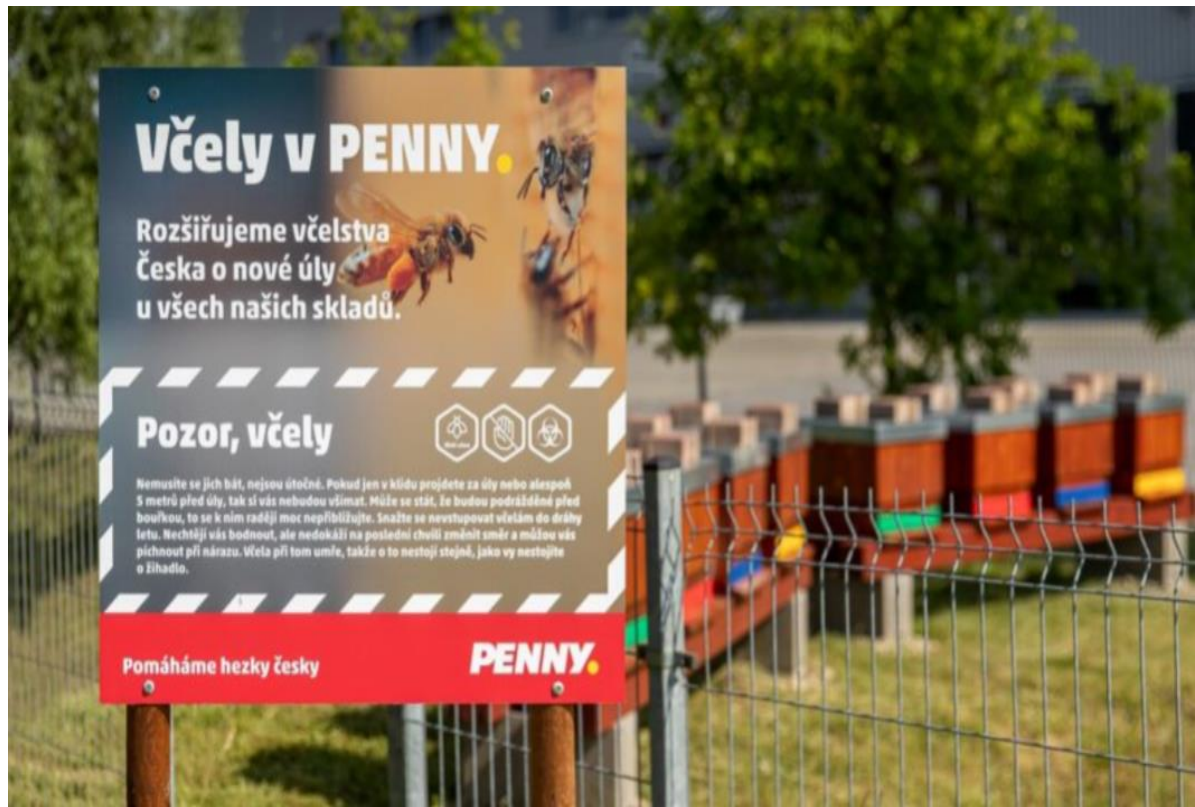


# Surroundings

3,350 m<sup>2</sup> of flowery meadow

20 new trees

Several beehives



# Supermarket COOP Hustopeče

Another winning project in  
Wooden Building of the  
Year 2023





Supporting structure - wooden skeleton





Massive  
wooden  
columns and  
wooden glued  
beams



Pots with trees and shrubs on the roof



# Wooden Building of a Basic School in Olešnice





# A beehive in Studené – small construction example



# Swimming hall in Louny - large-scale project





## Housing – Czech Tiny House (company)



# Resources

<https://www.drevoprozivot.cz/>

<https://www.penny.cz/>

<https://www.a2timber.cz/>

<https://www.archiweb.cz/>

<https://www.businessinfo.cz/>

<https://www.zboziaprodej.cz/>

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