Green development model of Šentrupert Municipality

Rupert Gole, mayor
Slovenia have 211 Municipalities

Data for Municipality of Šentrupert:

Year of foundation: **2007**

Area: **49 km²**

Inhabitants: cca: **2800**

Nr. of settlements: **25**
Organisation of municipality administration

The community administration employs 9 people
priznanje
za najbolj inovativno lokalno skupnost
v kategoriji "Projekt za spodbujanje inovativne lokalne skupnosti"

Občina Šentrupert
Nizkoenergijski, nizko ogljični, lesen vrtec

InLoCom nagrada 2011
Šentrupert, 11. marec 2011

mag. Violeta Bulc
Predsednica komisije „InLoCom“, inicijatorka InCo gibanja

mag. Igor Glavan
Član komisije „InLoCom“

mag. Agota Kopač
Članica komisije „InLoCom“

Kaja Rargus
Članica komisije „InLoCom“
Priznanje

podeljuje priznanje za energetsko učinkovit projekt 2011 po izboru bralcev Časnika Finance, ki ga prejme

Jelovica hiše, d. o. o., za projekt Leseni, nizkoenergijski in nizko ogljični vrtec Šentrupert

Portorož, 11. april 2011

Peter Frankl, direktor Časnika Finance
AWARDS
THE LAND OF HAYRACKS
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The municipality Šentrupert consume about 1,156,000 liters of heating oil per year (all together)!

Of these, only central prison Dob consum from 700,000 to 900,000 liters of heating oil per year!

This costs us over 1.1 million € per year!

In ten years: 11 million €!

AND WHERE OUR MONEY GOES???
DUBAI MARINA APARTMENTS

Our skyscraper: 11 MIO €!
„Shukran“ Šentrupert
Why should our farmer have a bad tractor?
... if he can drive a Lamborghini!
At first, we change energy supply
FOR THE PURPOSE OF PUBLIC FACILITIES
The college complex!
(Primary school, kindergarten, sports hall)
Primary school and sports hall
Wooden kindergarten
Wooden kindergarten
Wooden kindergarten
The cellar plan
Wood chip boiler
The area of heating boiler room in Kindergarten
Filling station for electric vehicles
Means of transport for staff of municipality Šentrupert – electric scooters
We believe that OUR STRATEGIC natural material is WOOD.

Therefore we designed WOOD PROCESSING CENTER in which WOOD WASTE will emerge and THAT IS GOING TO BE OUR SOURCE OF ENERGY!
The area of the former military barracks Puščava, 22 ha
The wood processing center, 50,000 m²
The wood processing center, 50,000 m²
We believe that we can become ENERGY SELF-SUFFICIENT.

Therefore we designed ENERGY SUPPLY with home renewable energy product for central prison Dob!
ENERGY SELF-SUFFICIENCY IN DOB PRISON

We established the Public Company Energetika Šentrupert (Energy of Šentrupert).

Energetika Šentrupert will build woodchip boiler room and woodchip cogeneration.

We'll do the prison heating, electricity production from cogeneration will be sold to the grid, waste heat will be sold to investors, who will build greenhouses for growing tomatoes (4 ha).

Woodchips will be created as wood waste from wood processing center.
The prison’s cost for energy (heat and electricity) is more than 1.300.000 € per year.
Local energy source (wood chips)

Food (market)

Green electricity

Food (self-sufficient)

Workforce (semi-open section)

cca 1,000,000 MIO €/year in local community
CHALLENGE FOR THE FUTURE

• Continue the self-sufficient energy supply for municipality Šentrupert

• Šentrupert as the main settlement in the municipality to be heated on the wooden biomass (1. feasibility study of remote heating system on biomass, 2. implementation)

• Location for installation of boiler house is known

• We have done a survey and the majority of energy consumers is ready to connect to the district heating

• We want professional and innovative implementation of the project and become an example of good practice in Slovenia and abroad
Projected location of boiler room for heating Šentrupert
Thank you for your attention!

Rupert Gole
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Municipality Šentrupert
www.sentrupert.si