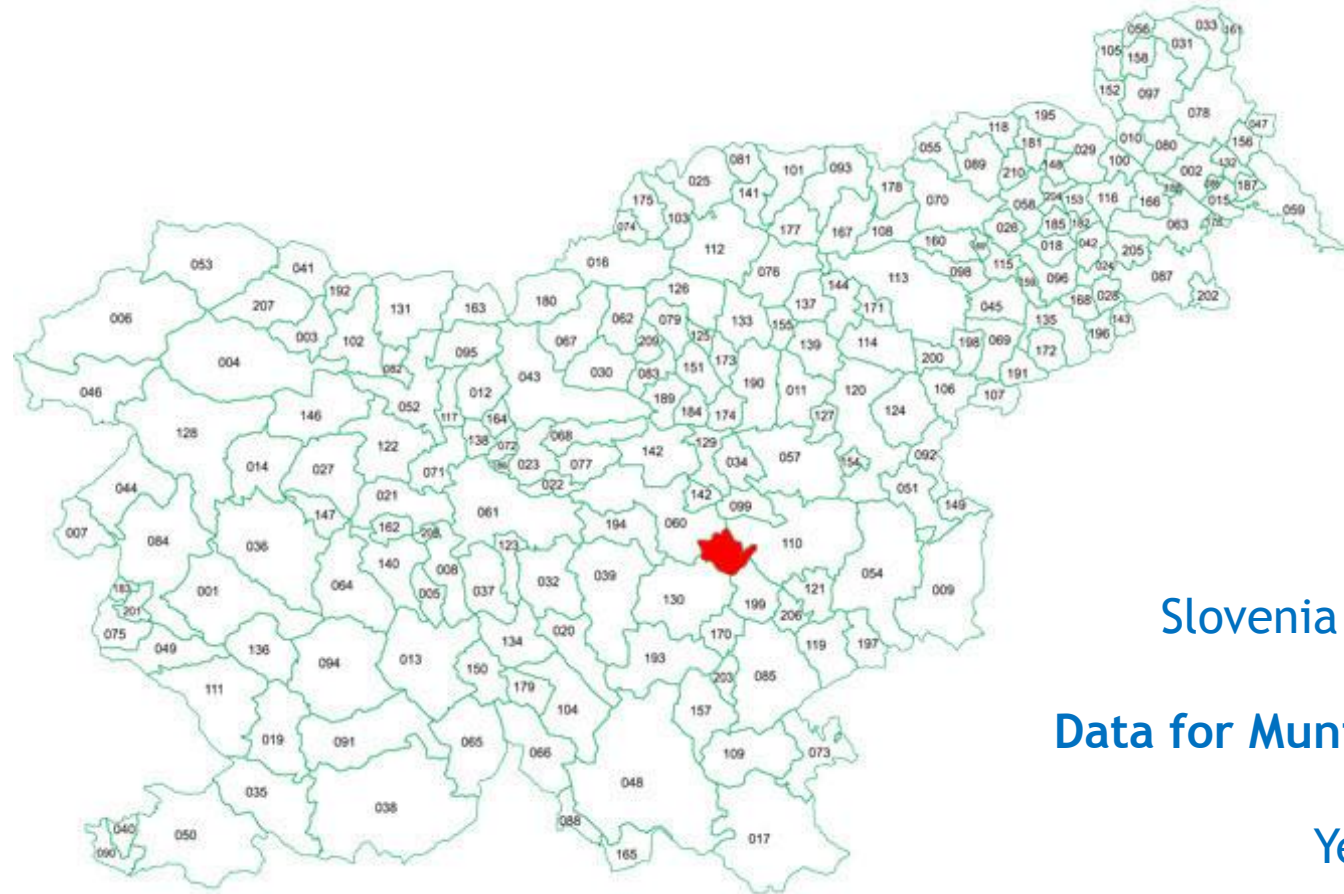




Green development model of Šentrupert Municipality

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**

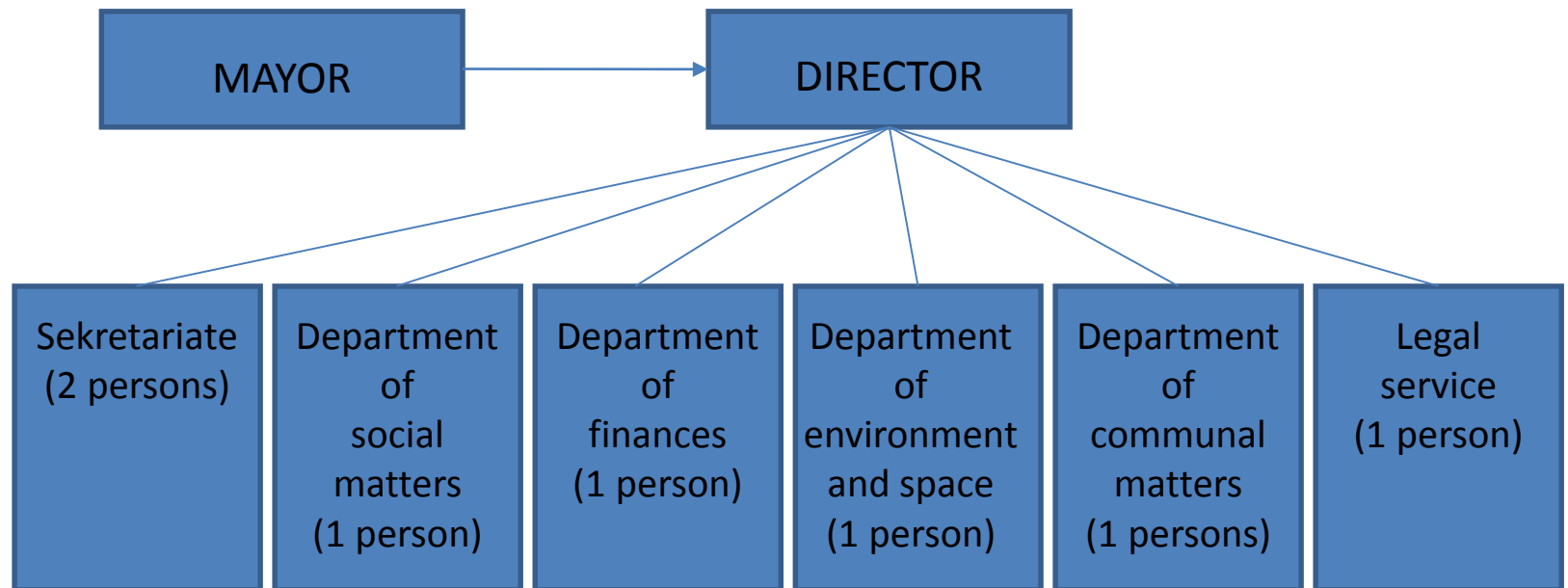








Organisation of municipality administration



The community administration employs 9 people

priznanje

za najbolj inovativno lokalno skupnost

v kategoriji "Projekt za spodbujanje inovativne lokalne skupnosti"

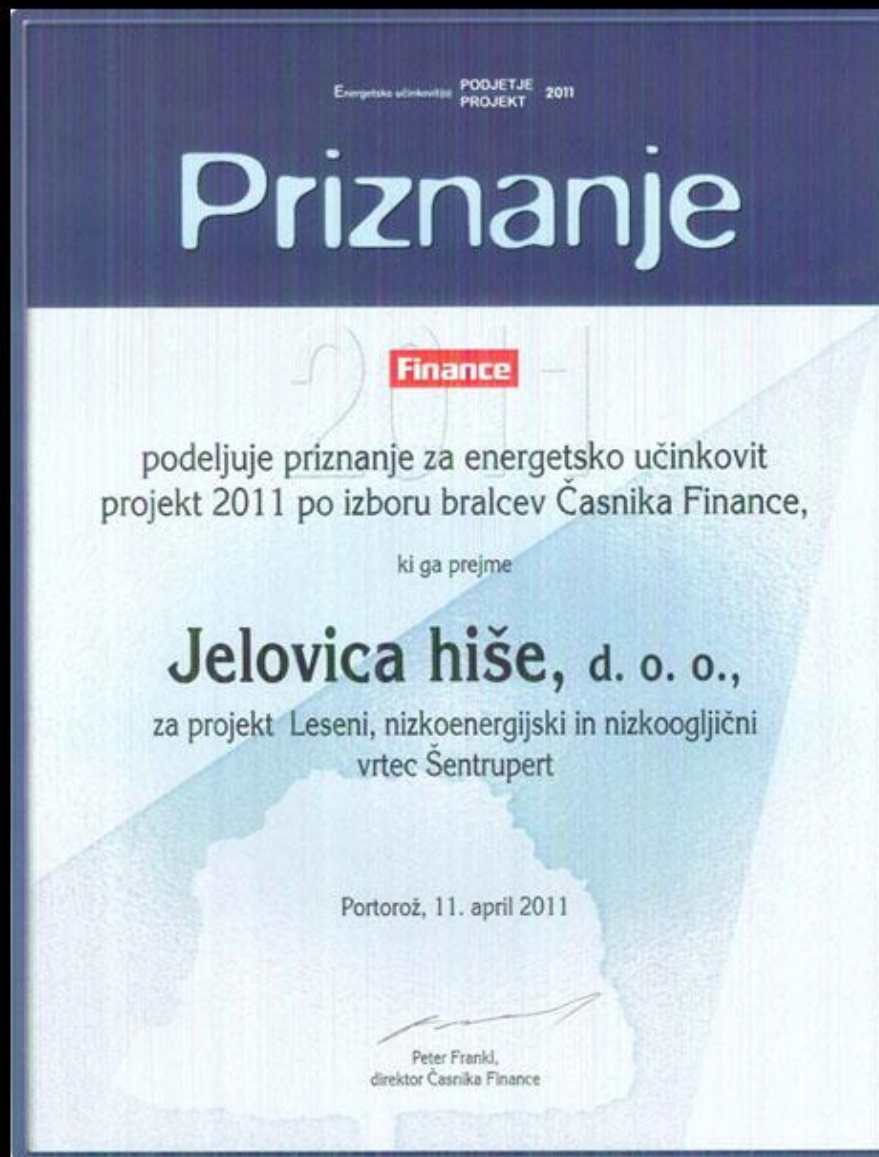
Občina Šentrupert

Nizkoenergijski, nizkoogljični, lesen vrtec



InLoCom nagrada 2011
Šentrupert, 11. marec 2011

mag. Violeta Bulc
Predsednica komisije „InLoCom“, iniciatorka InCo gibanja
mag. Igor Glavan
Član komisije „InLoCom“
mag. Agata Kopač
Članica komisije „InLoCom“
Kaja Rangus
Članica komisije „InLoCom“



AWARDS



AWARDS



THE LAND OF HAYRACKS



THE LAND OF HAYRACKS



THE LAND OF HAYRACKS



**The municipality Šentrupert consume about
1,156,000 liters of heating oil per year (all
together)!**

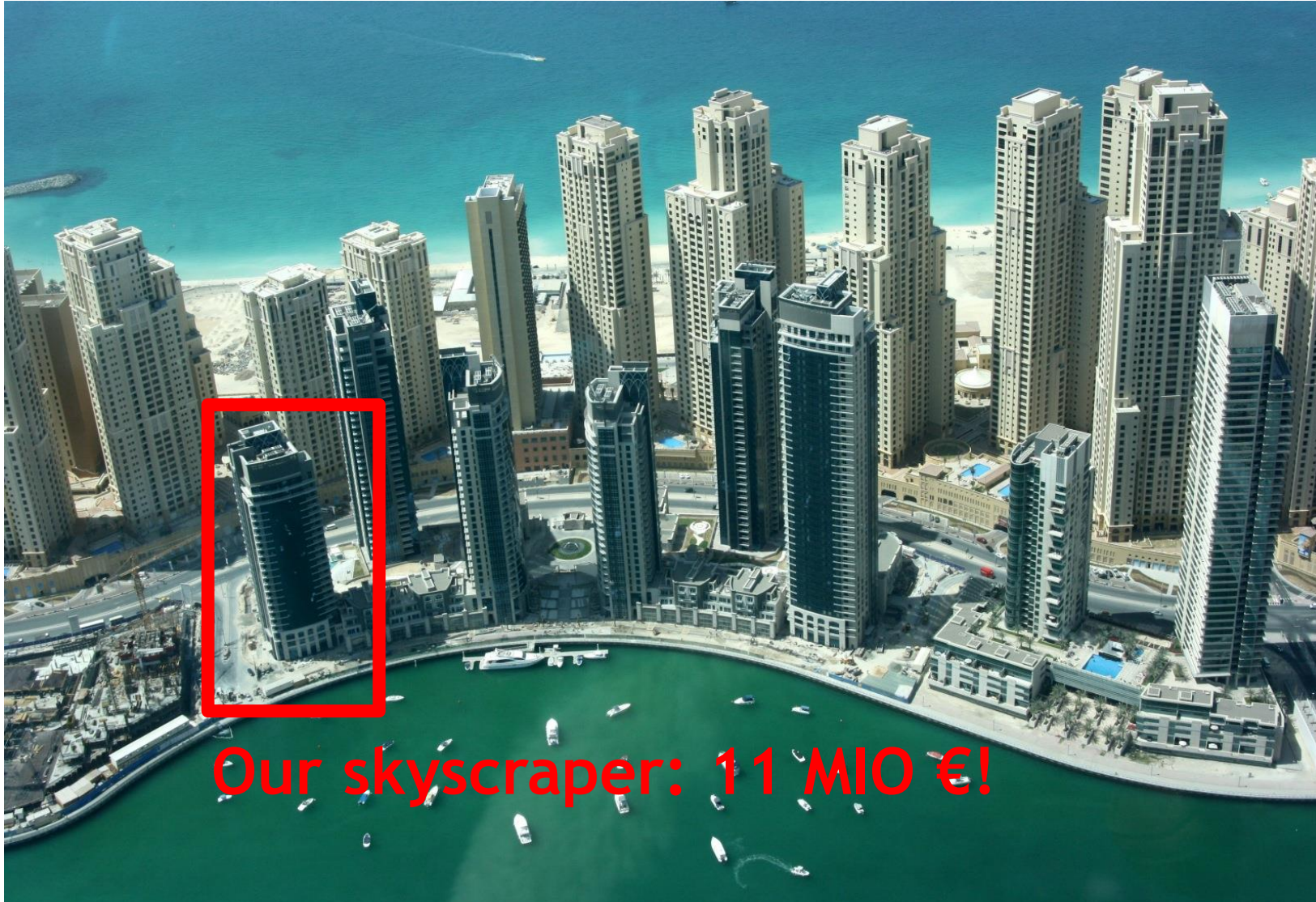
**Of these, only central prison Dob consum from
700,000 to 900,000 liters of heating oil per
year!**

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 had 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



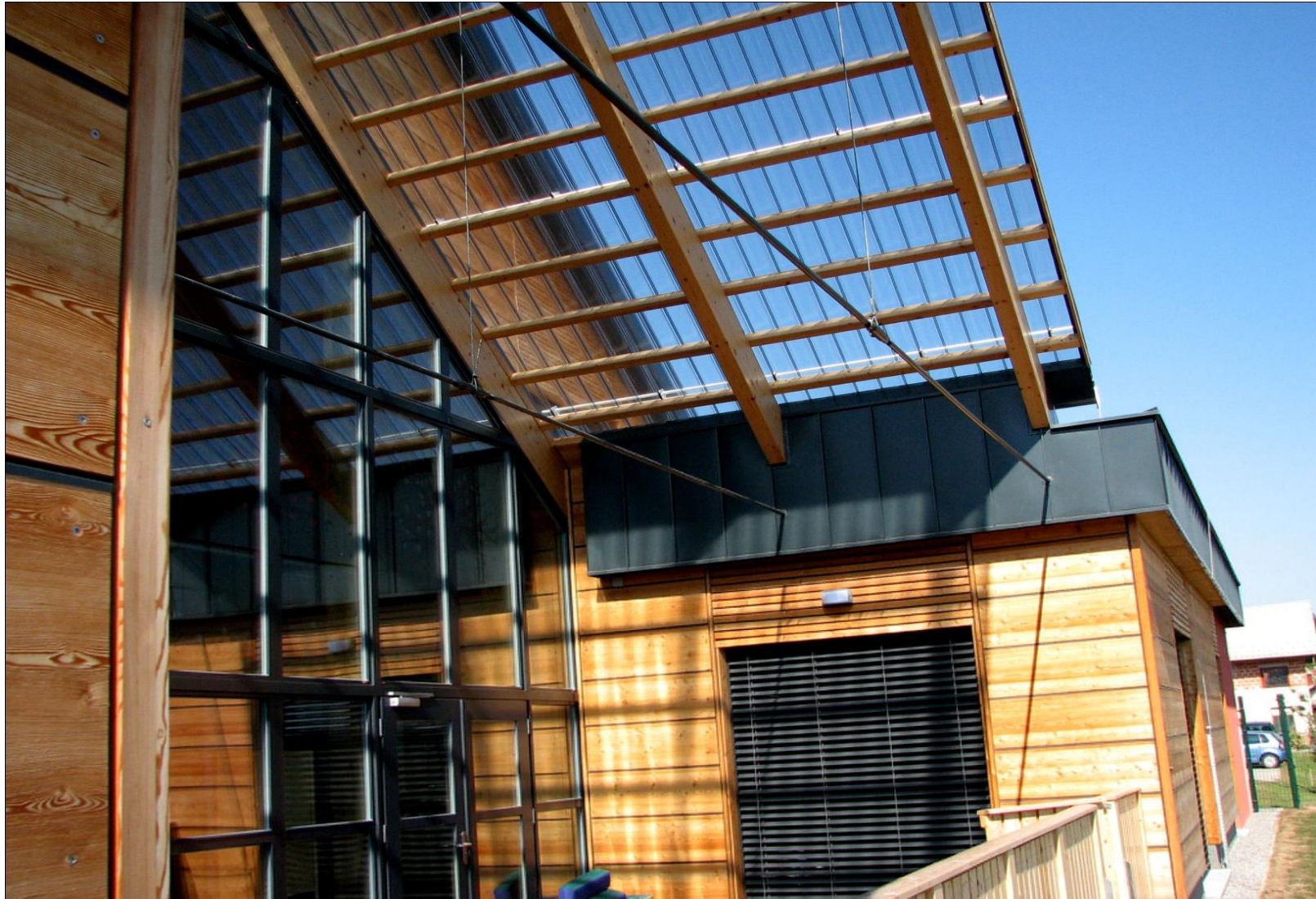
Wooden kindergarten



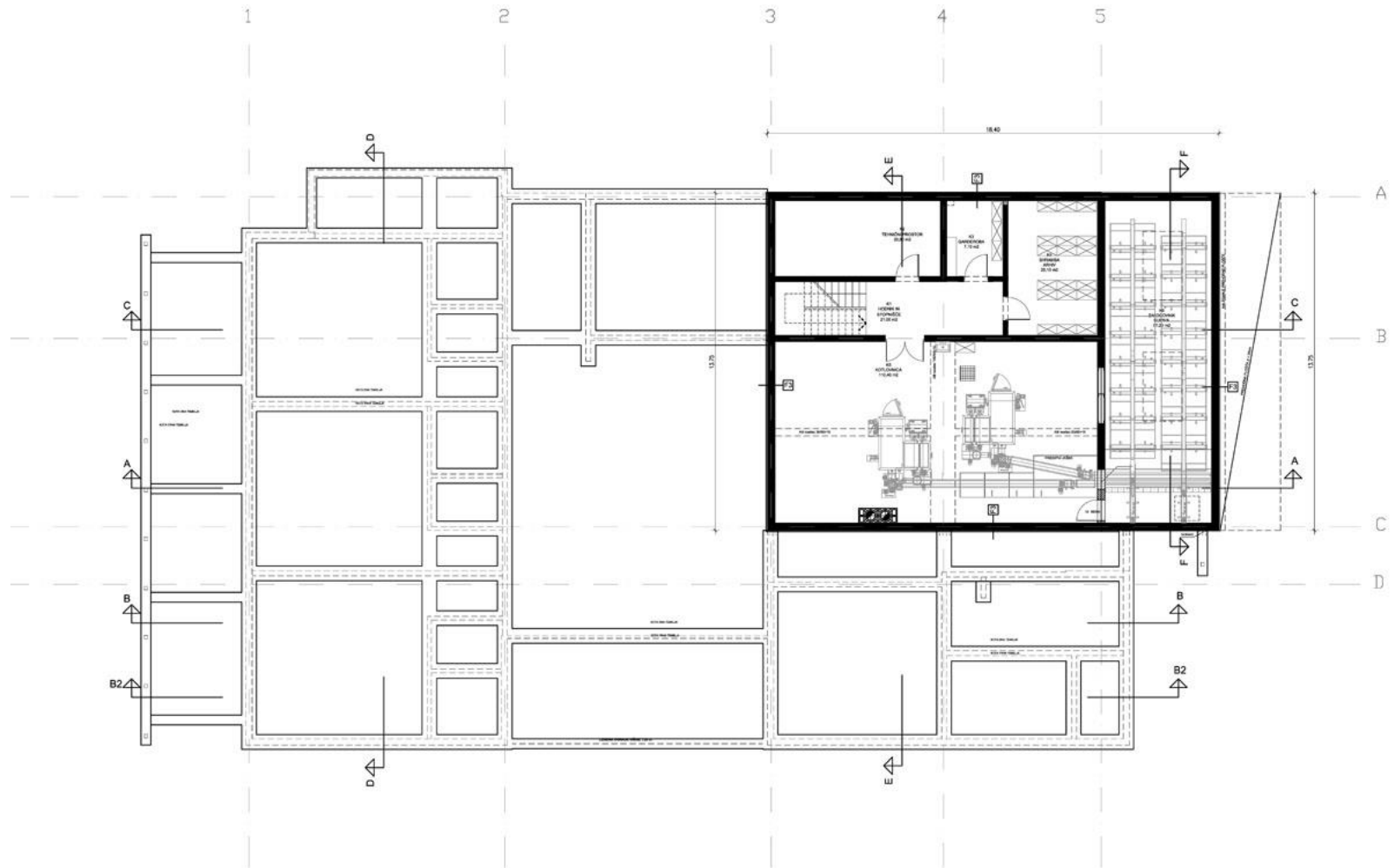
Wooden kindergarten



Wooden kindergarten



The celler 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



promo objekt

spezialna žaga

paletarna

sušilnica

špan žaga

**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)

**cca 1.000.000 MIO € /year
in local community**

Green electricity

**Green
electricity**

Heat

Food (self-sufficient)

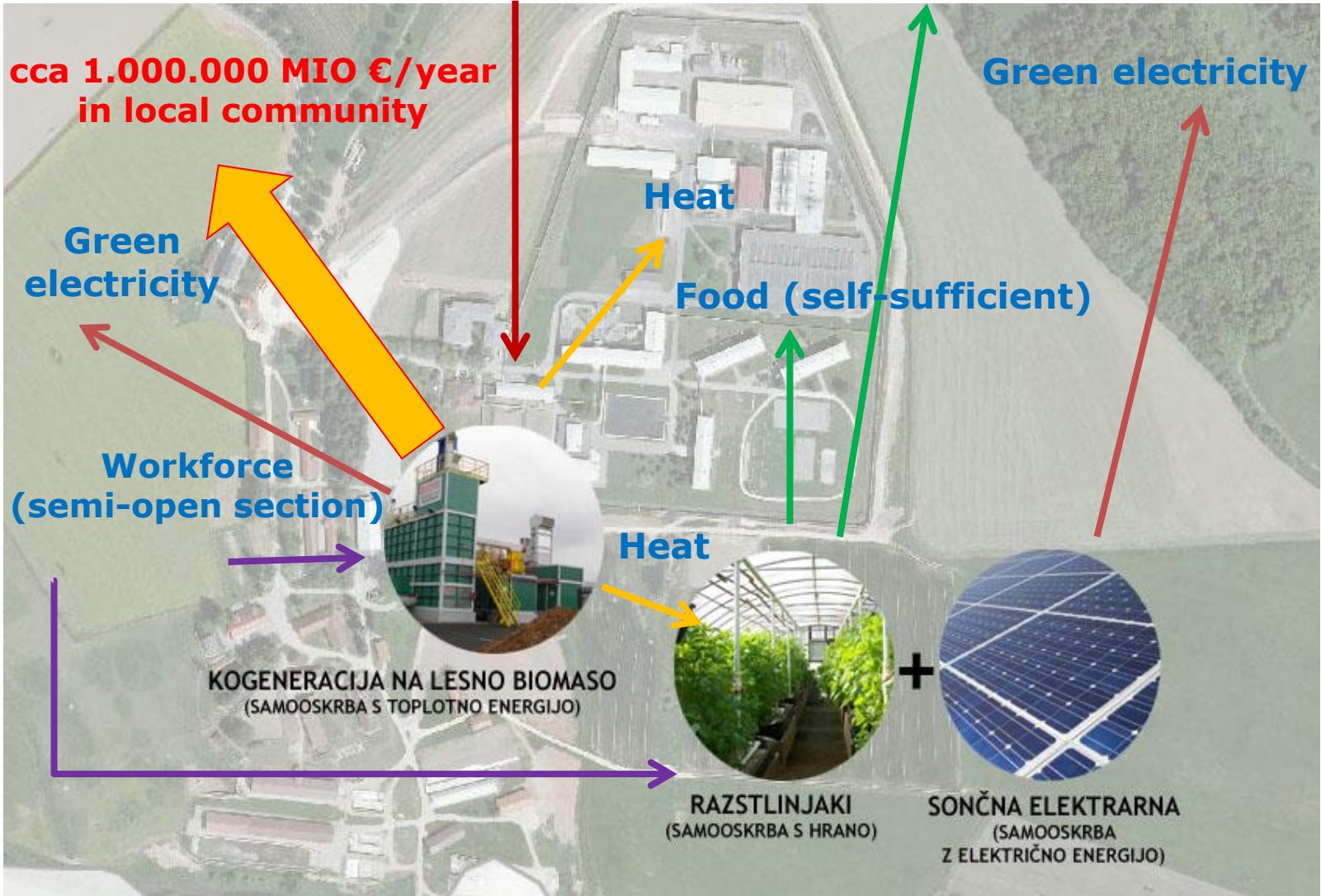
**Workforce
(semi-open section)**

Heat

**KOGENERACIJA NA LESNO BIOMASO
(SAMOOSKRBA S TOPLOTNO ENERGIJO)**

**RAZSTLINJAKI
(SAMOOSKRBA S HRANO)**

**SONČNA ELEKTRARNA
(SAMOOSKRBA
Z ELEKTRIČNO ENERGIJO)**



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 of 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





DOLENJSKA
BELA KRAJINA | KOČEVSKO-RIBNIŠKA

Drugačna doživetja



Thank you for your attention!

Rupert Gole

rupert@gole.info

Municipality Šentrupert

www.sentrupert.si