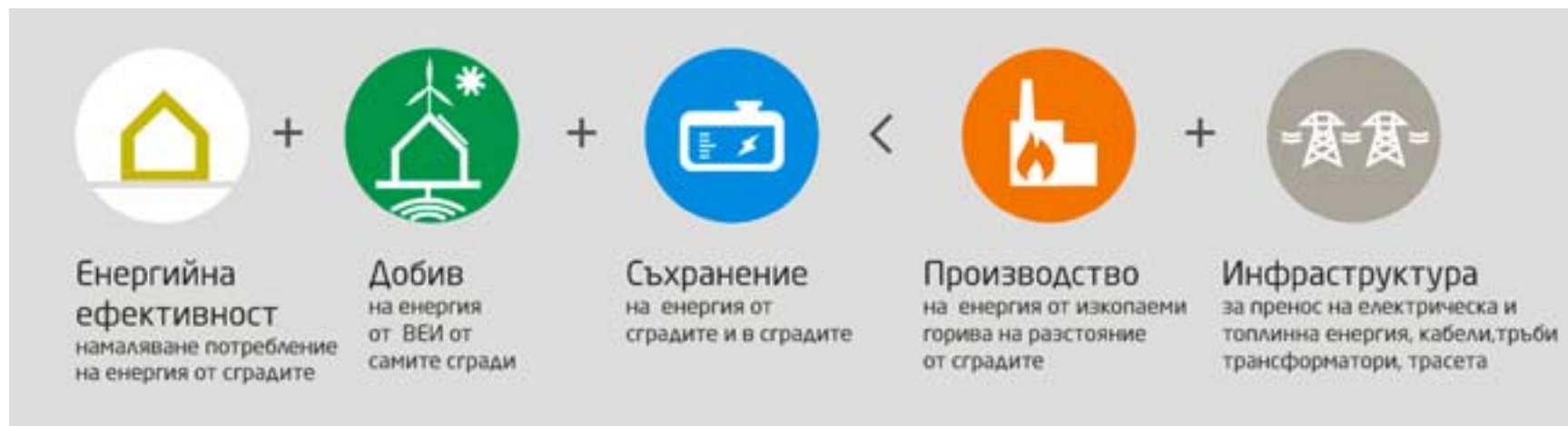


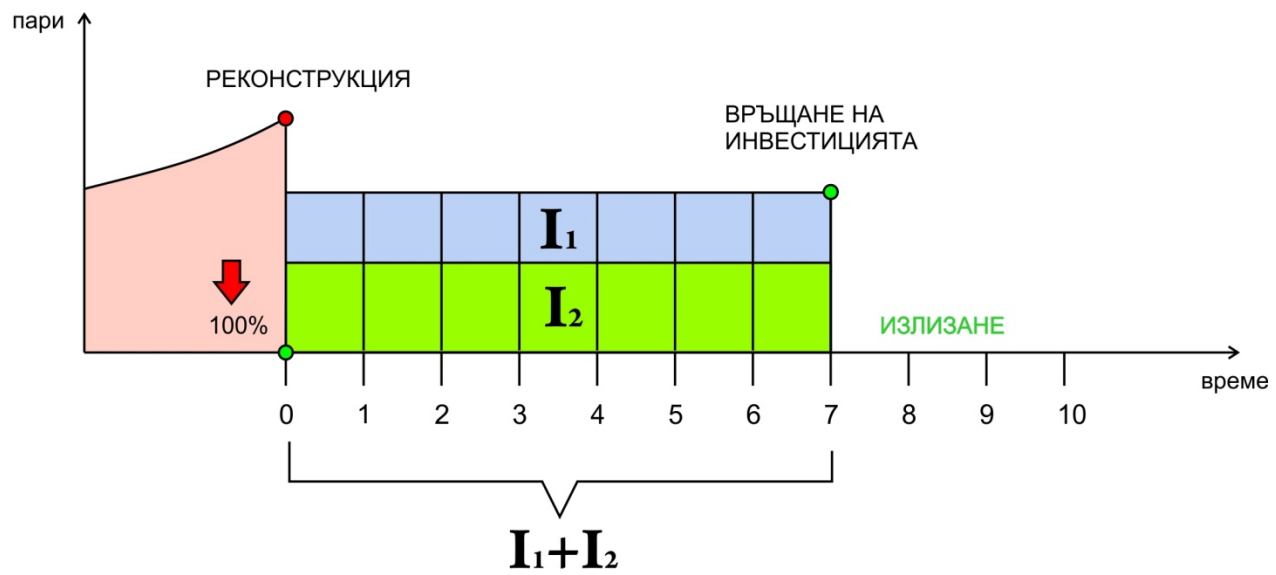
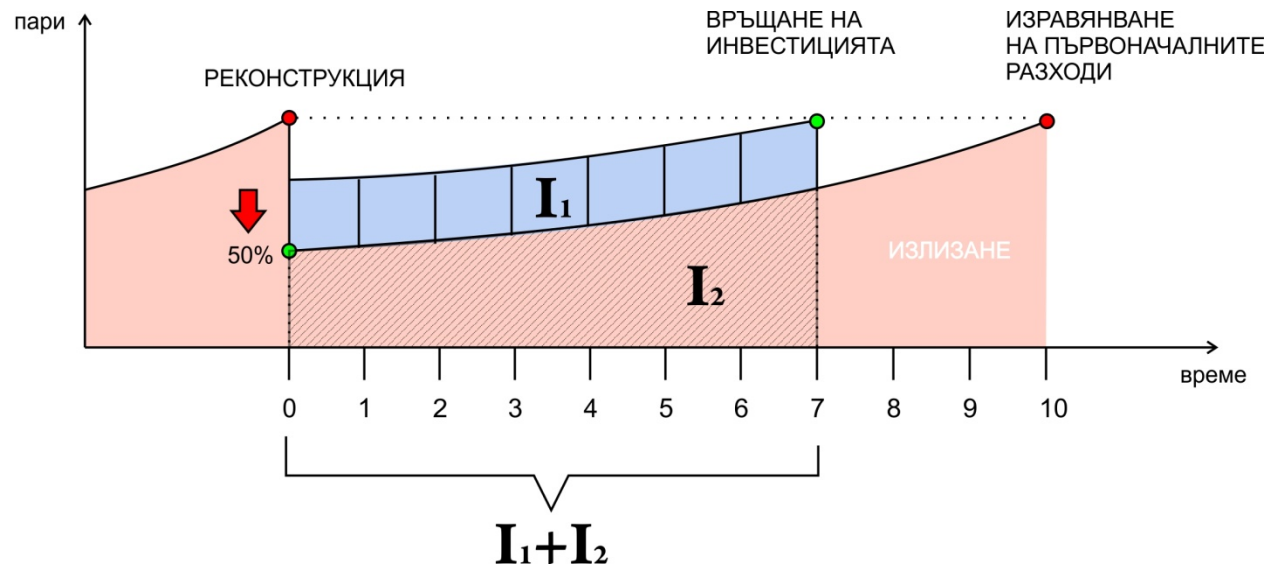
ЕНЕРГИЙНО НЕЗАВИСИМА ОФИС СГРАДА: ПИЛОТЕН ПРОЕКТ

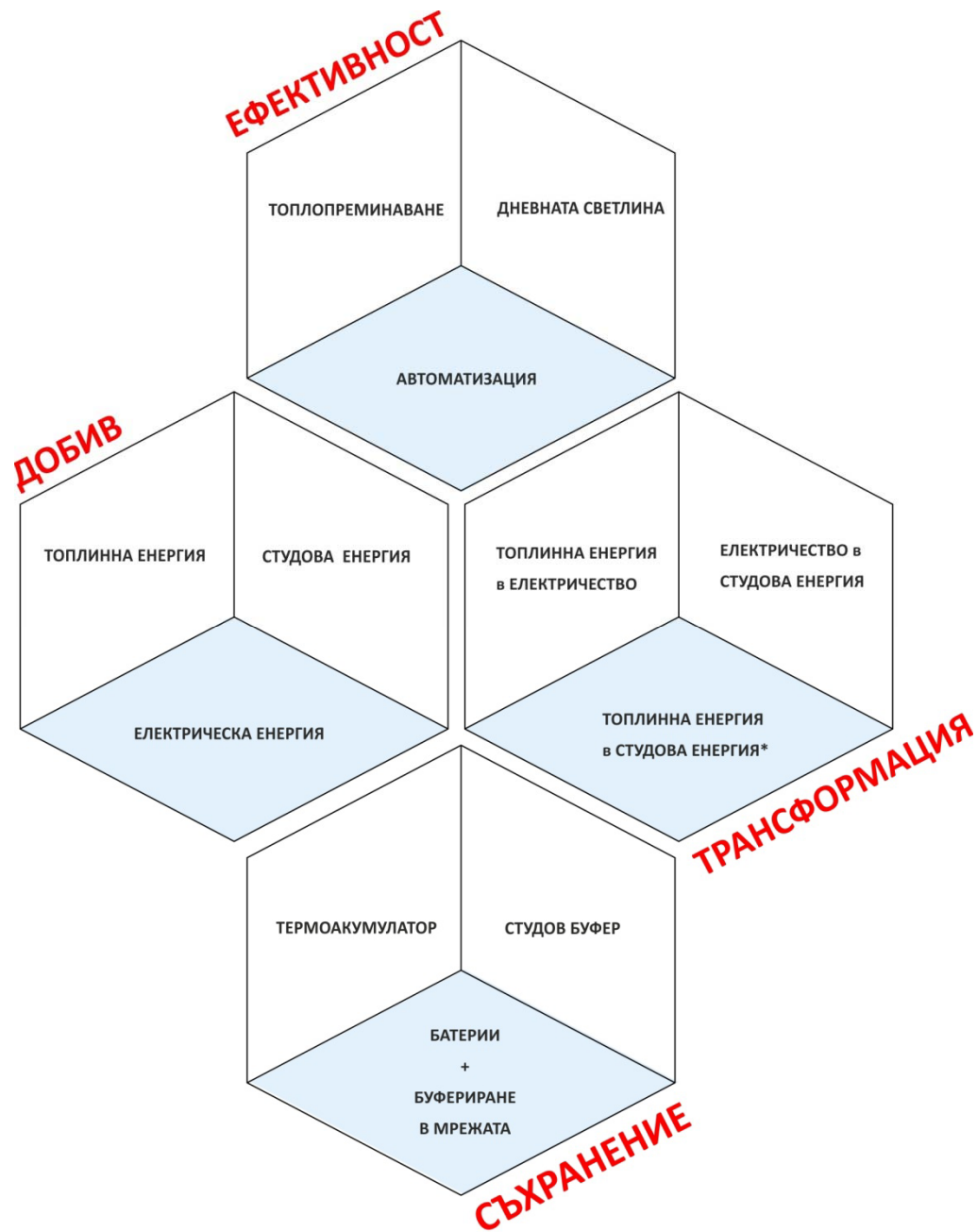


21-22 ВЕК

19-20 ВЕК







ЕКСПЕРИМЕНТАЛНА СГРАДА ZEB1

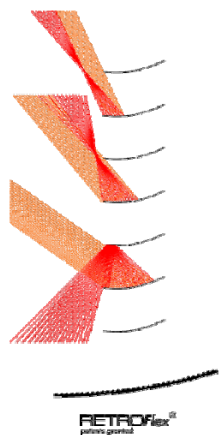


Инвестиция в мерки за ЕЕ:
850 000лв.

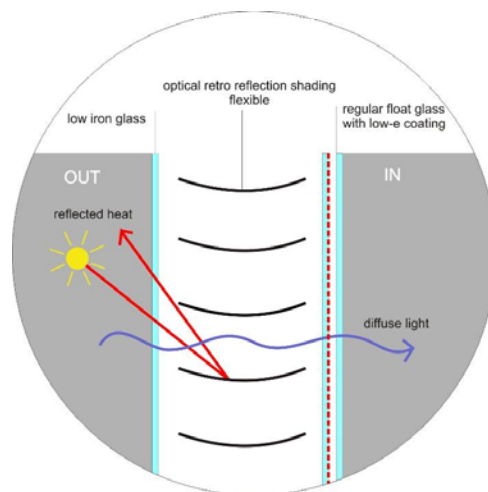
Връщане на инвестицията:
14 години



РАБОТА НА ДВОЙАТА ФАСАДА



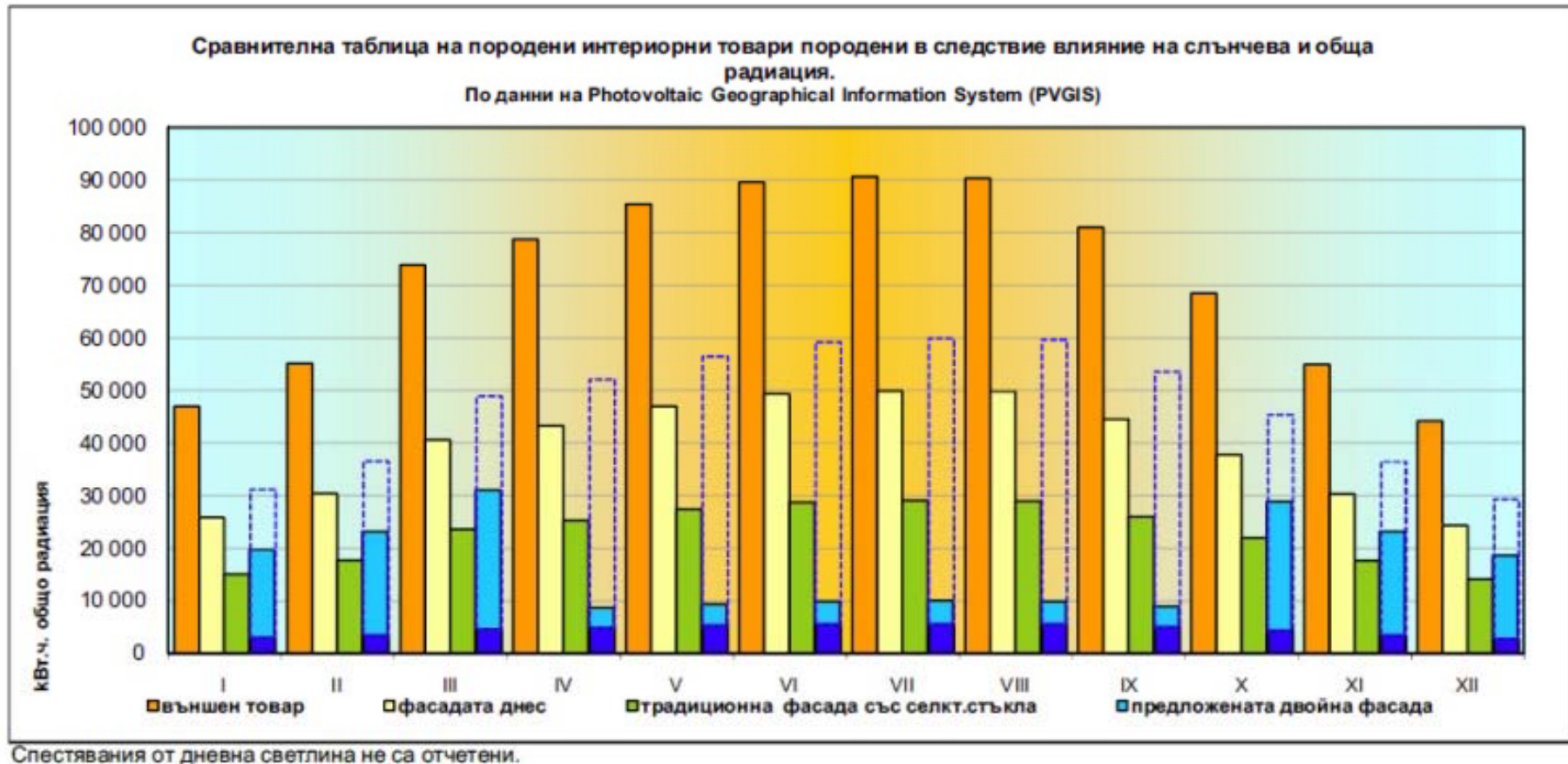
Reflected daylight deep into the space



The retro optic shading is reflecting the heat back to the atmosphere!
Only diffuse light is passing through the façade.
The glasses are crystal: no sun protection coatings!

No direct sunlight on the working surface

ENERGY FLEX CONCEPT : HEATING AND COOLING BENEFITS

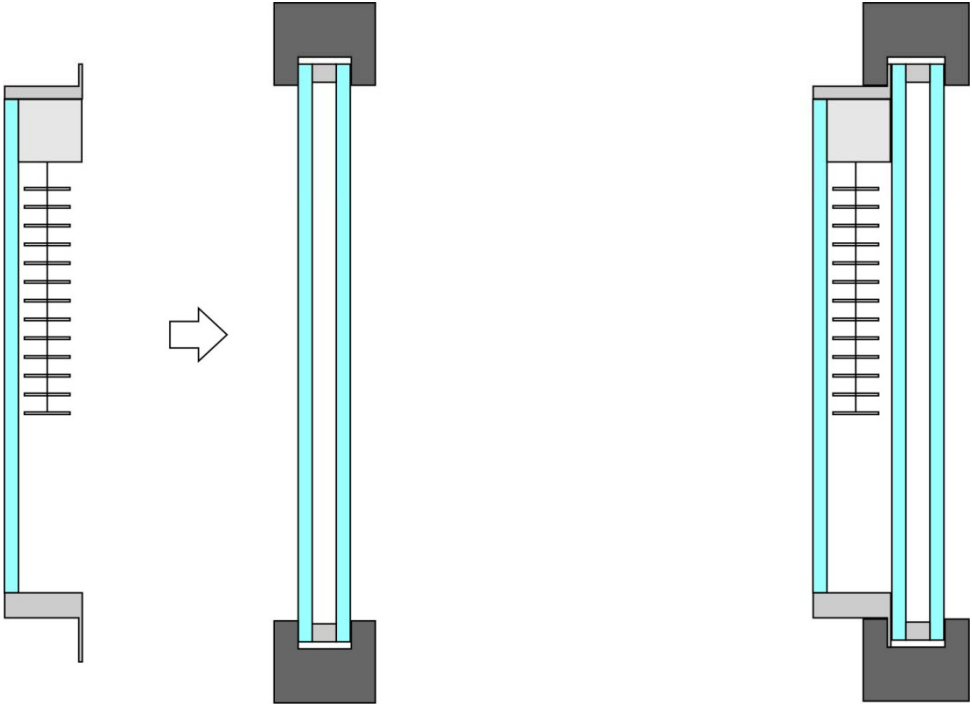


■ STANDART SYSTEMS

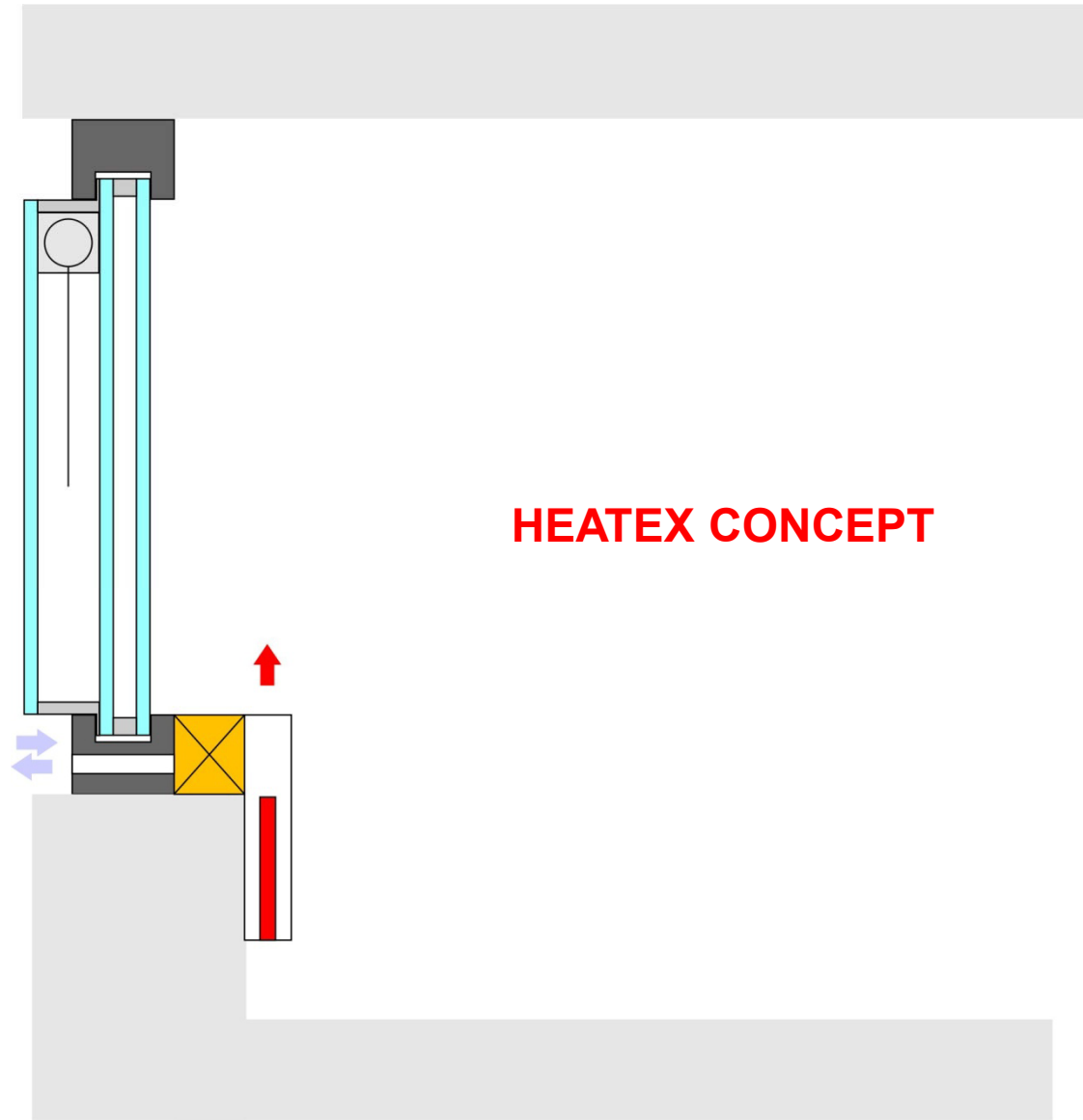
■ MODERN MONOSKIN

■ ENERGY FLEX

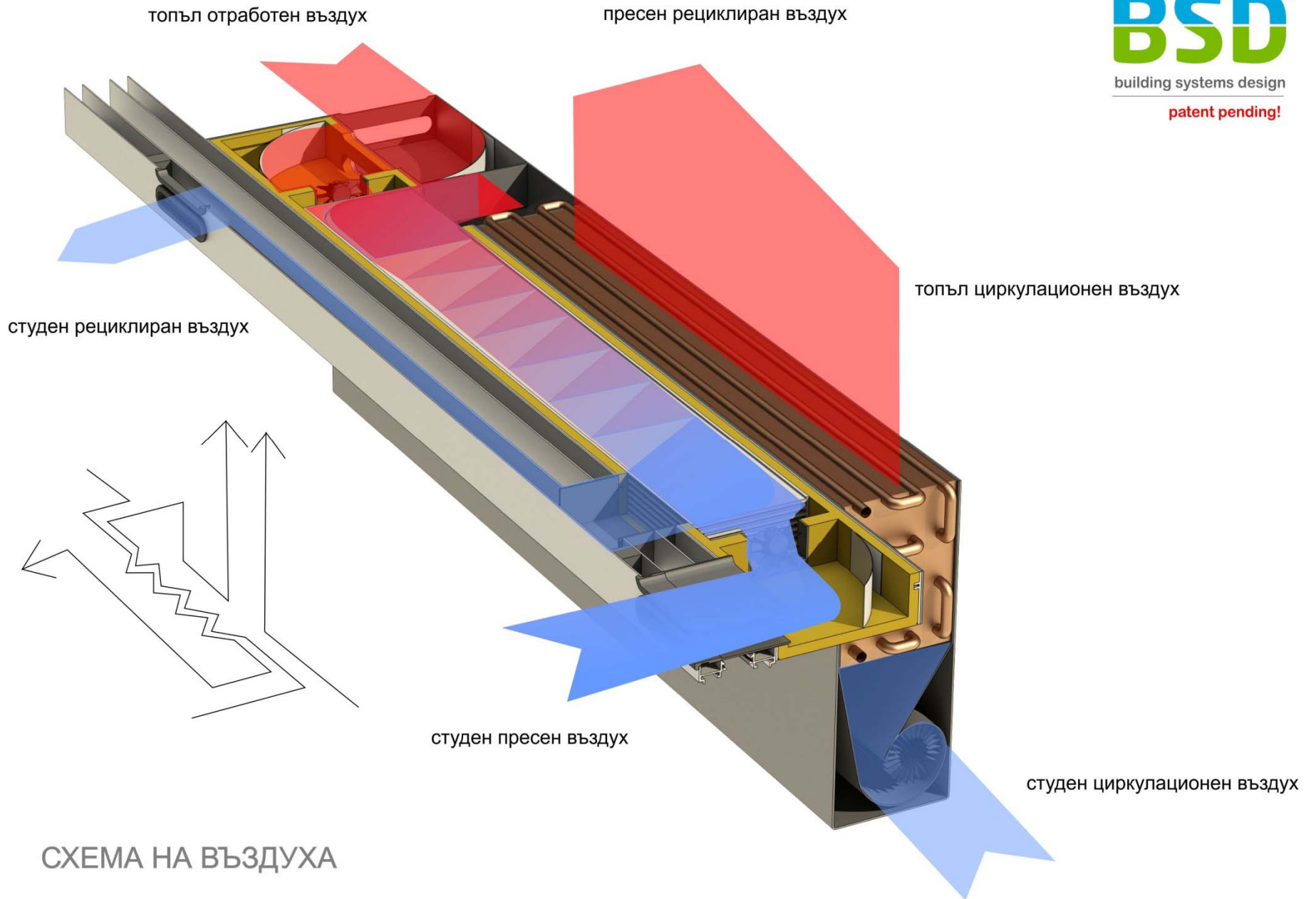
ENERGY FLEX CONCEPT



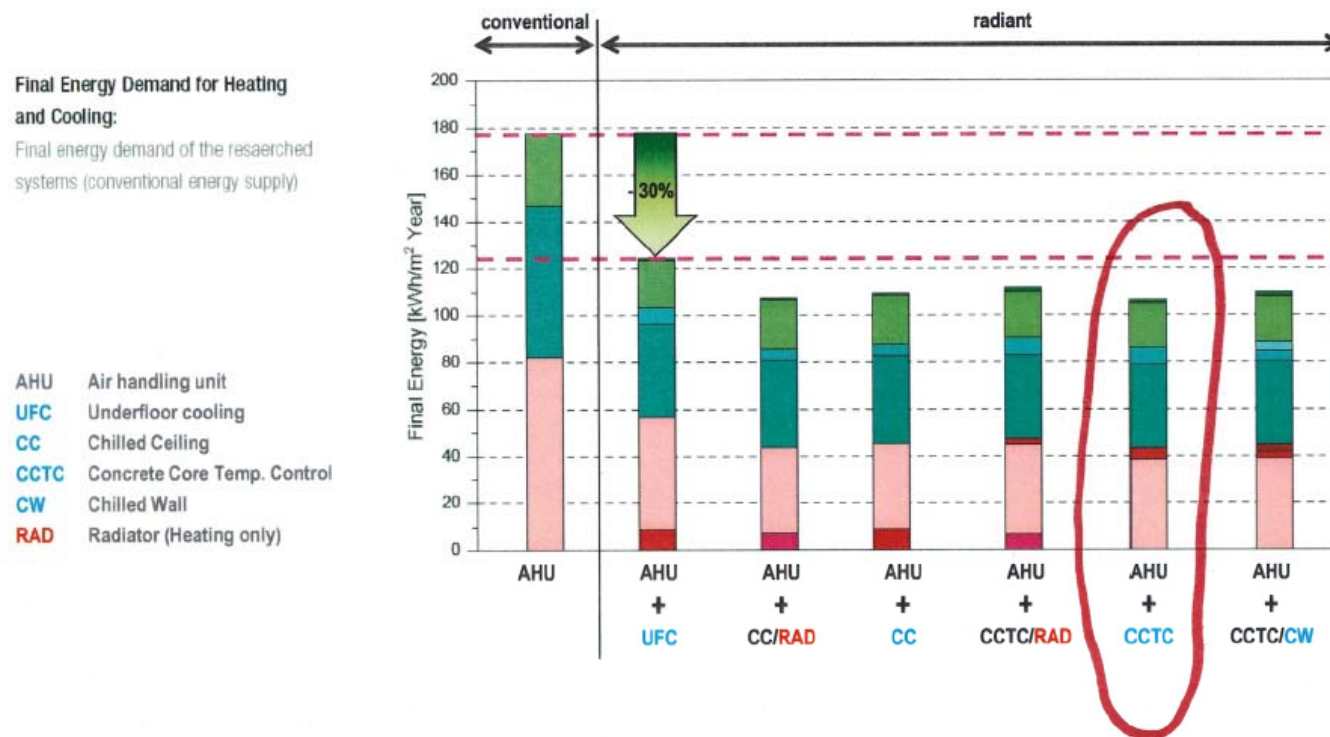


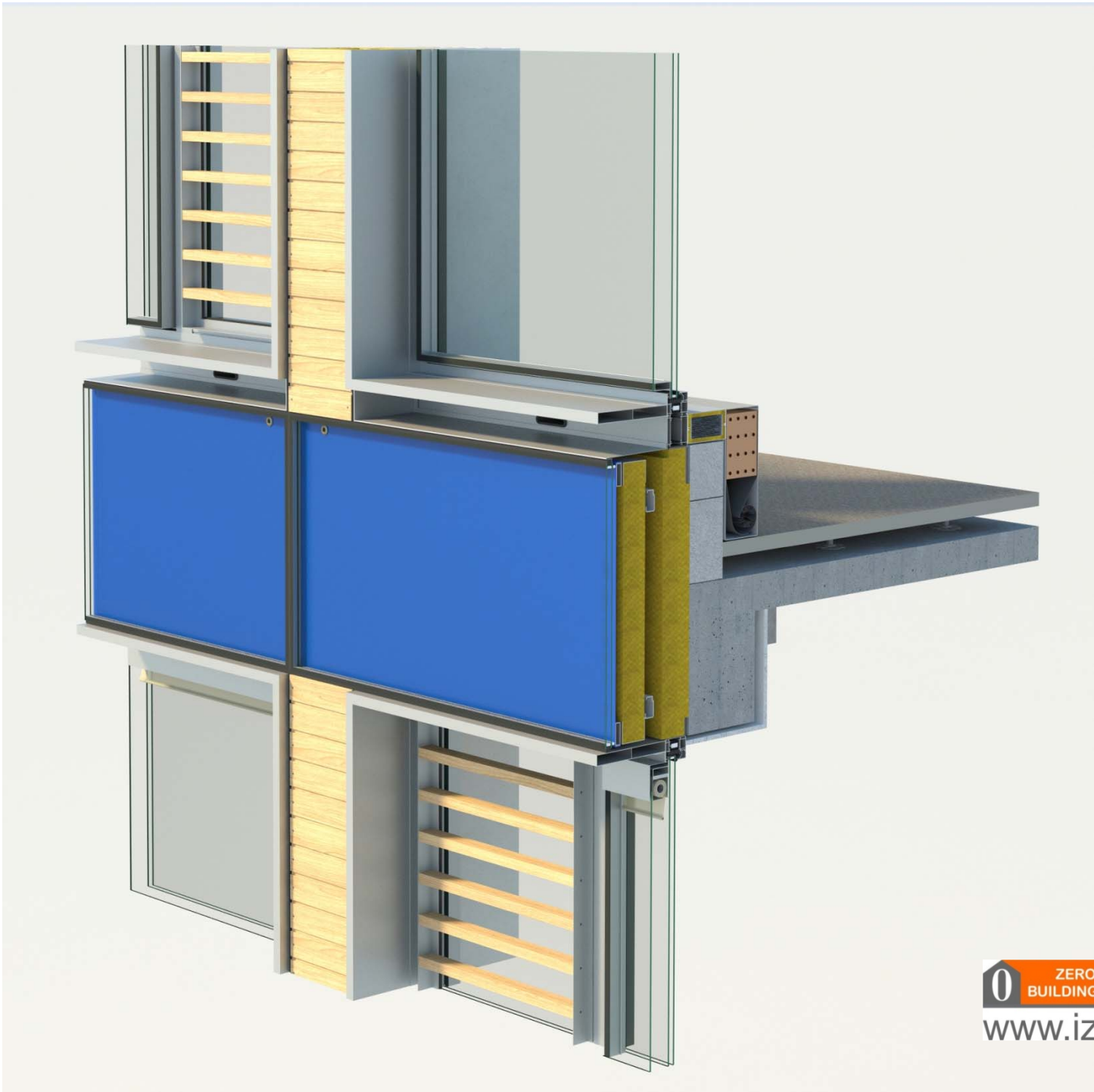


HEATEX CONCEPT

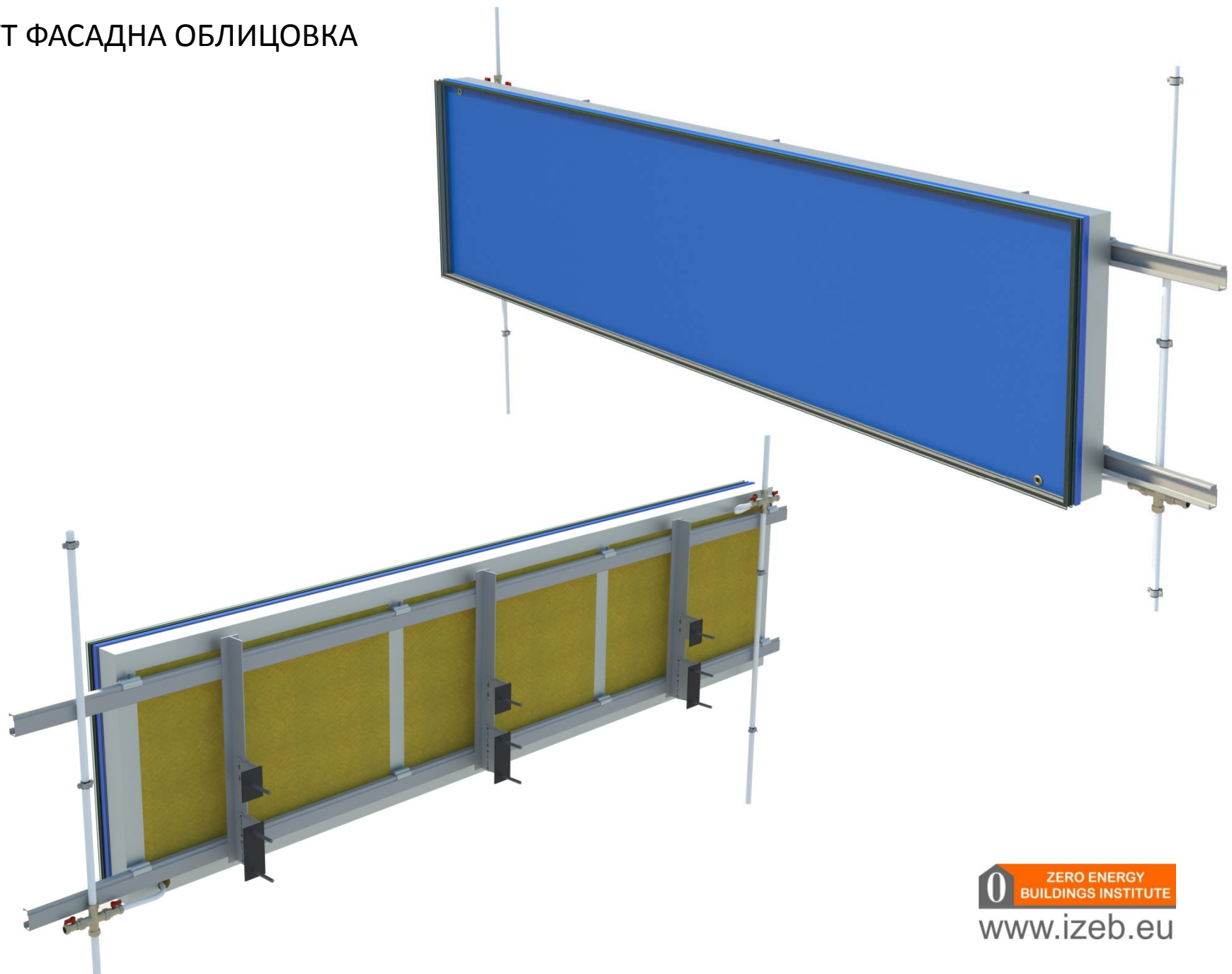


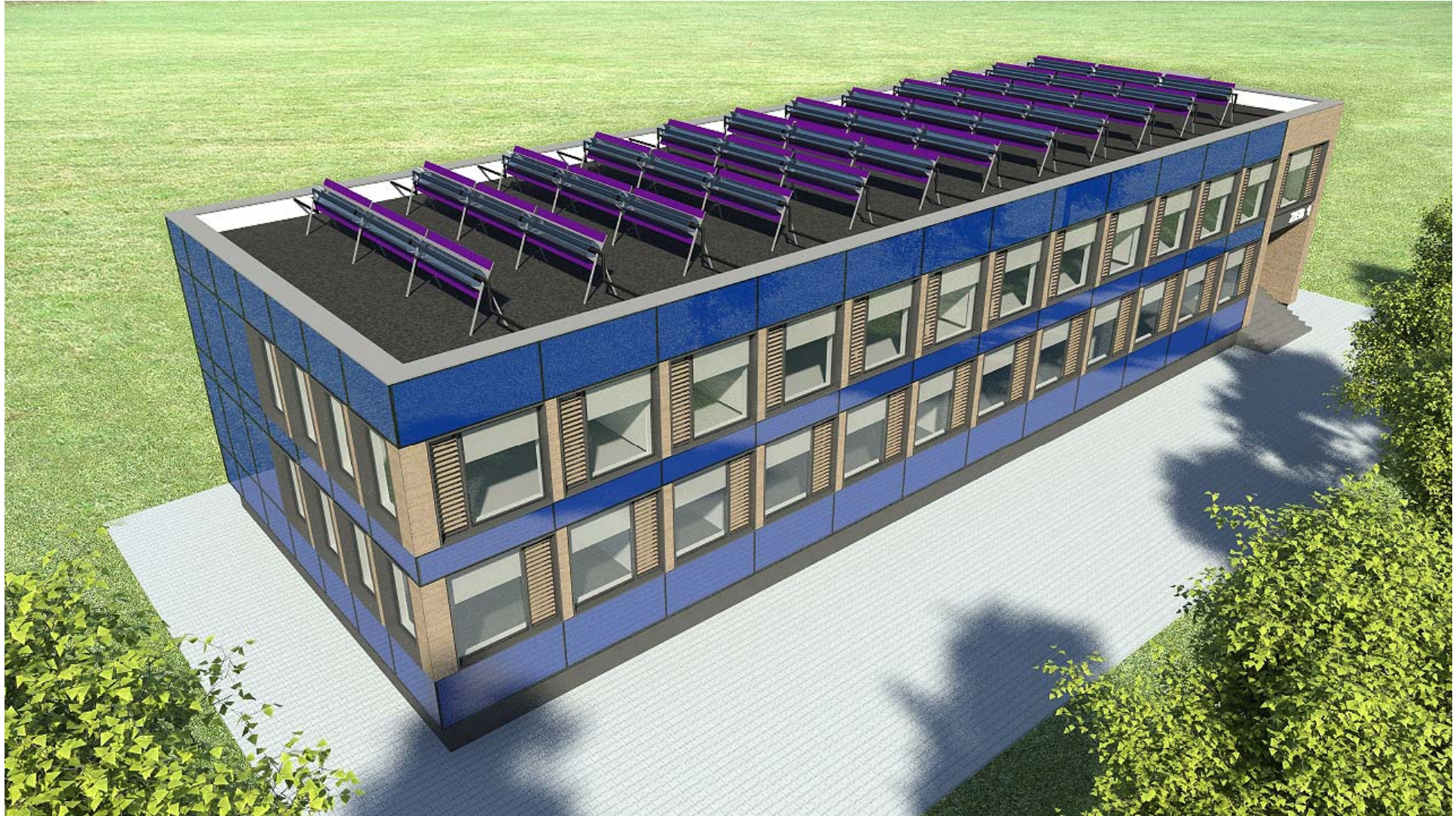
ТЕМПЕРИРАНЕ НА БЕТОНА : ЛЪЧИСТО КЛИМАТИЗИРАНЕ



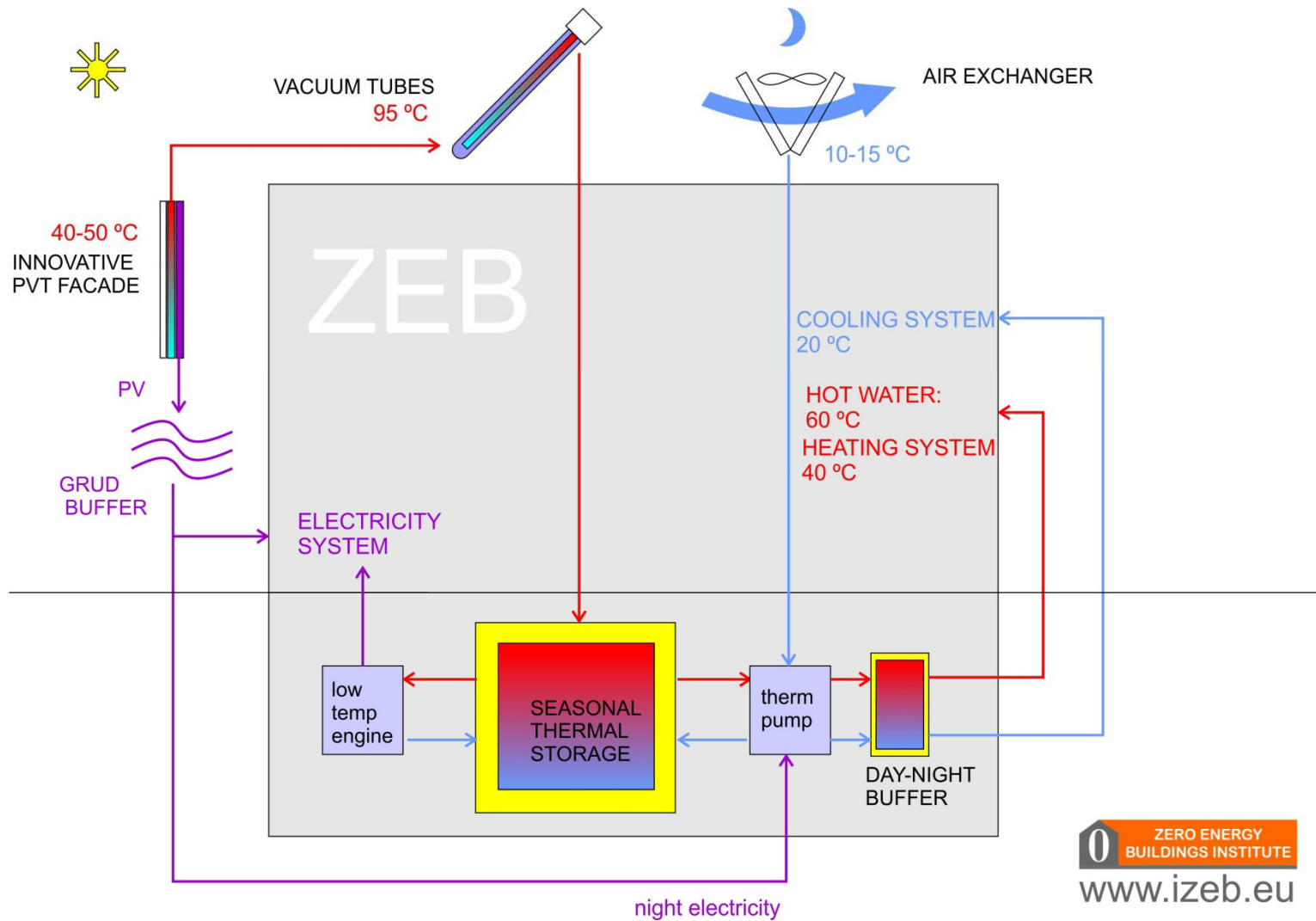


PVT ФАСАДНА ОБЛИЦОВКА



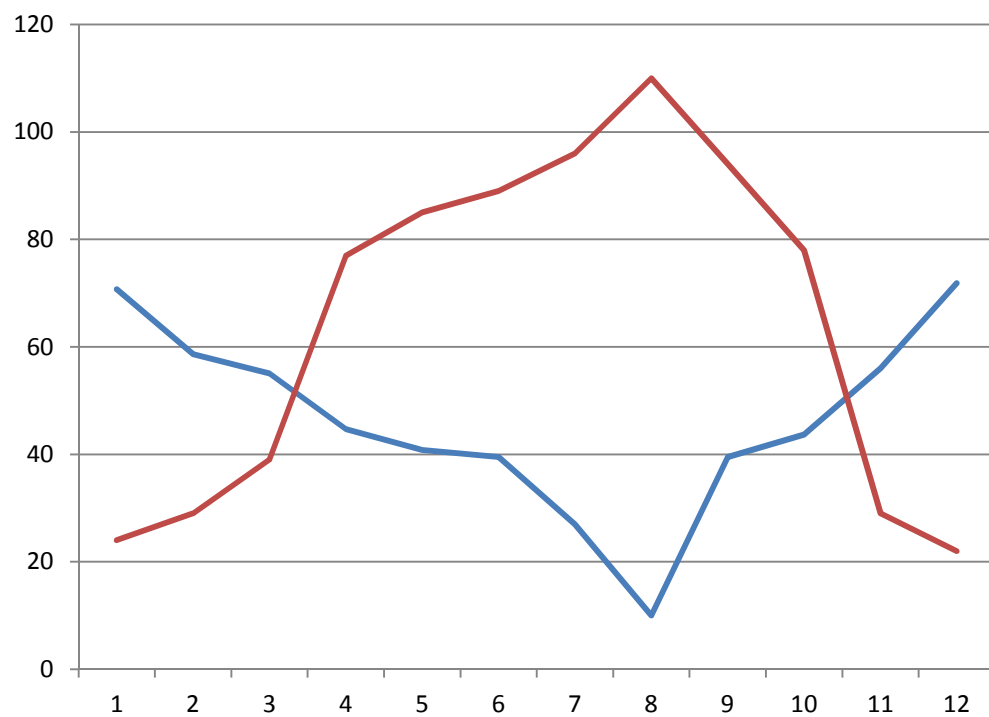


ЕНЕРГИЙНА ИНСТАЛАЦИЯ



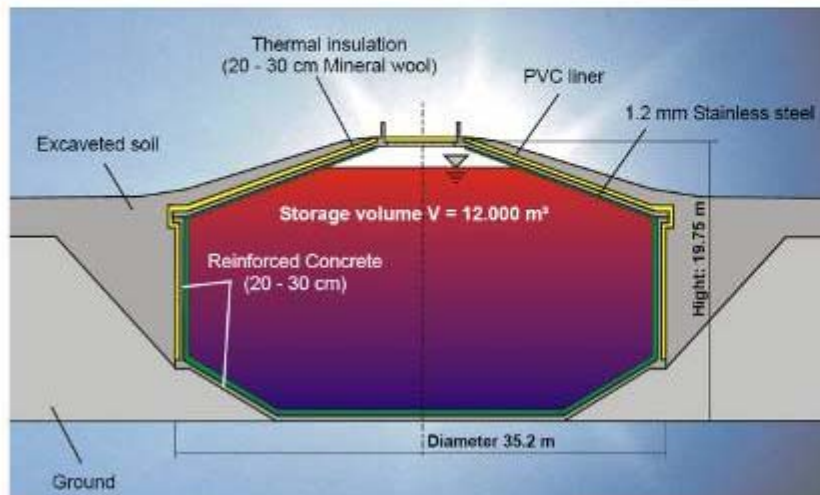
ОСНОВЕН ПРОБЛЕМ:

ДОБИВ И ПОТРЕБЛЕНИЕ НА ЕНЕРГИЯ СЕ РАЗМИНАВАТ!

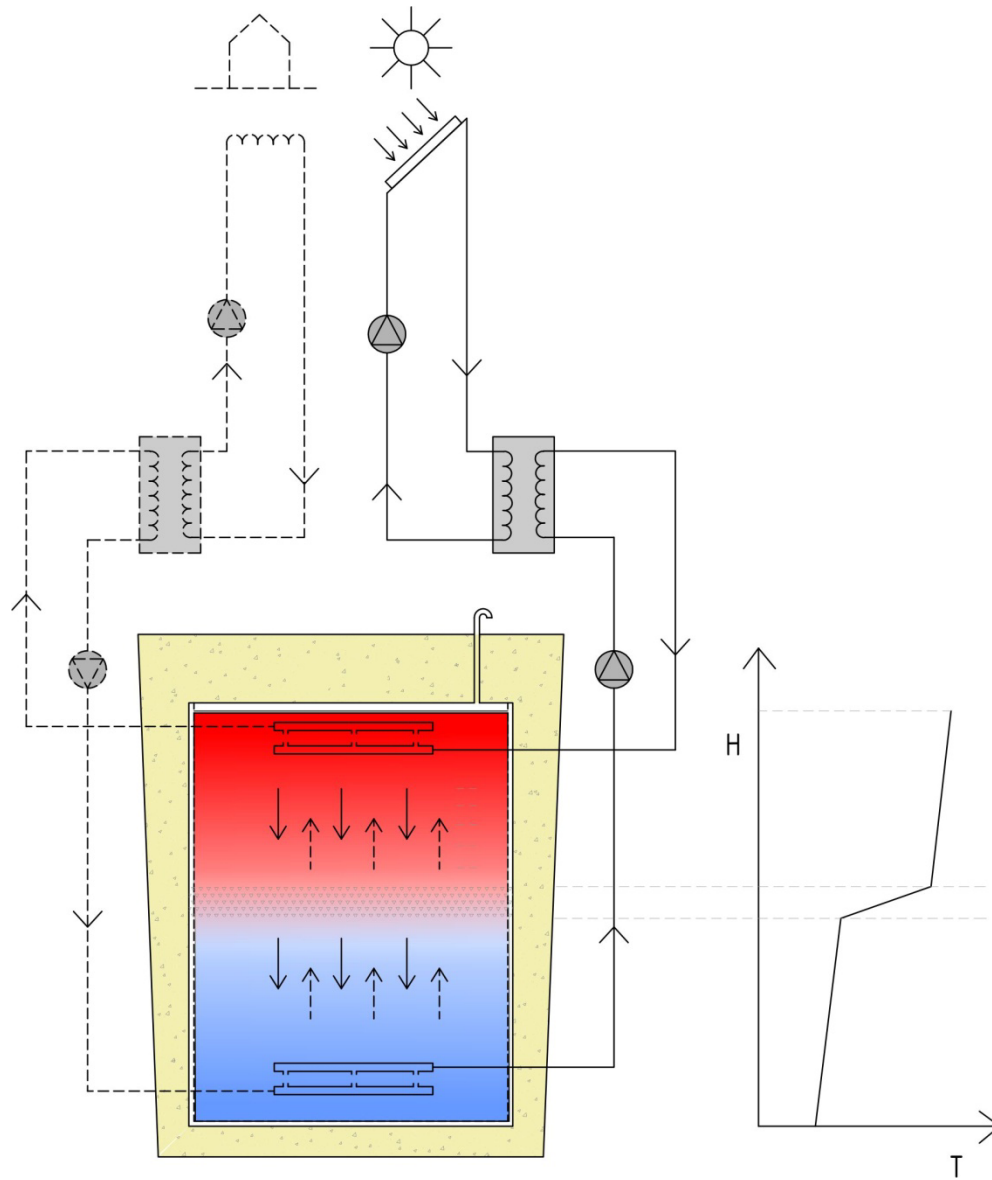


ТЕРМОАКУМУЛАТОРИ

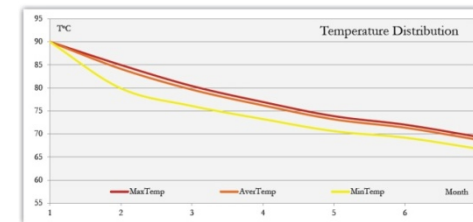
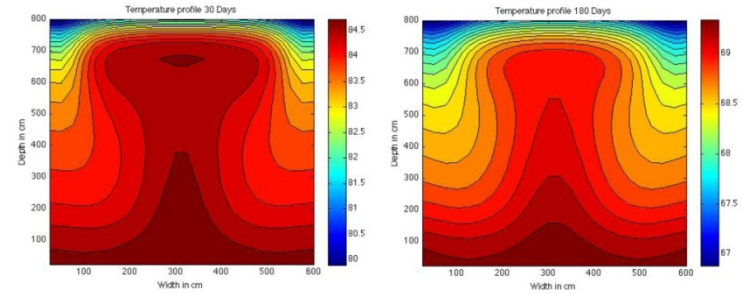




PATENTED SEASONAL HEAT STORAGES



Results - Temperature profiles after 30 and 180 days, variable Temp.Scale.Bar

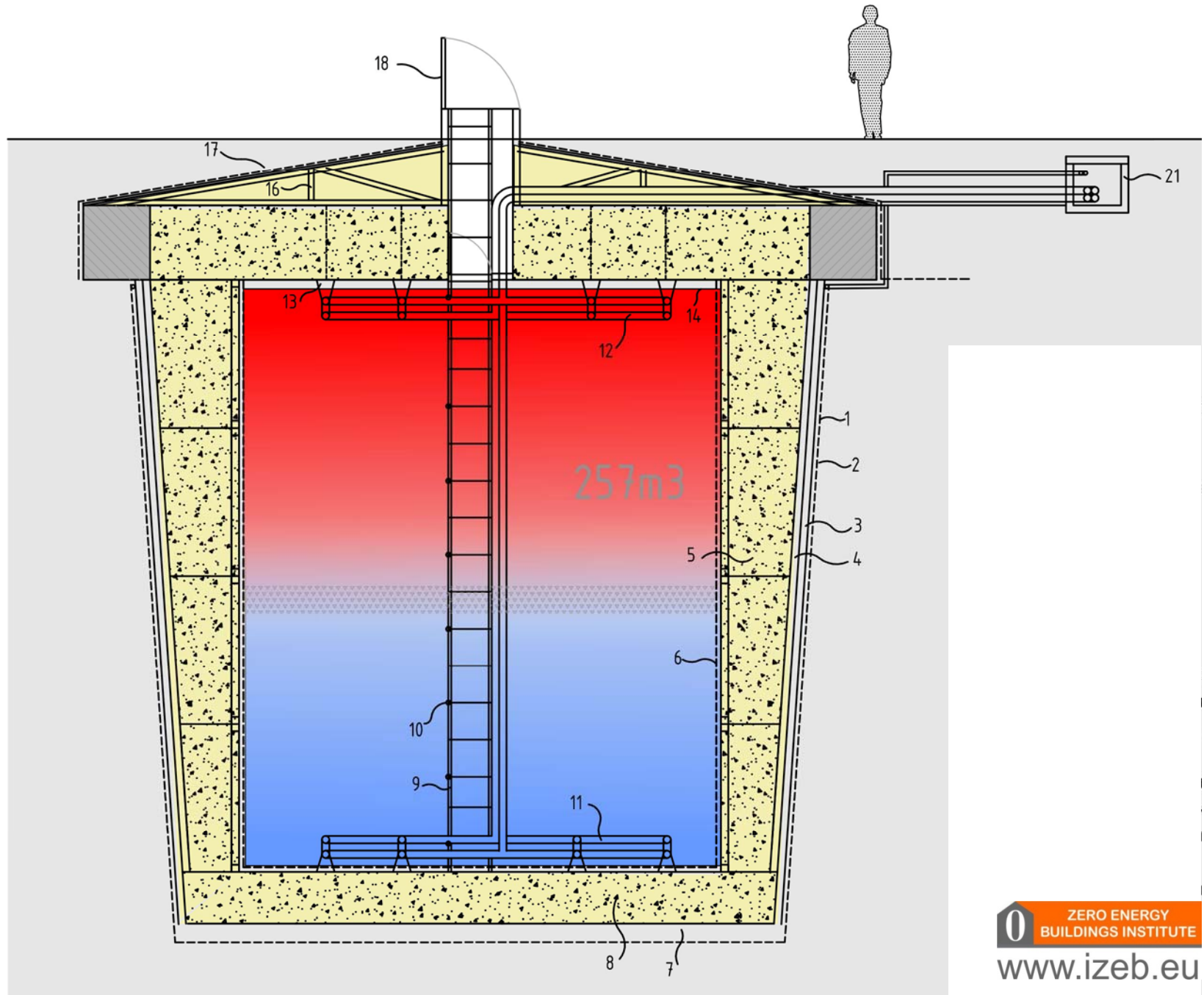


Calculation of disiponable energy and heat losses after each month

$$Q = (T_w - T_n) * C_p * \rho * V$$

Period	Max Temp (°C)	Ave Temp (°C)	Min Temp (°C)	Temp Differ (°C)	Disiponable Energy (mWh)	Energy Losses (mWh)
Initial state	90.000	90.000	90.000	0.000	16.720	0.000
1 Month	84.970	84.132	79.895	5.076	14.758	1.962
2 Months	80.412	79.631	76.077	4.555	13.253	1.505
3 Months	76.936	76.209	73.234	3.702	12.108	1.145
4 Months	73.870	73.177	70.613	3.257	11.094	1.014
5 Months	72.015	71.365	69.202	2.813	10.488	0.606
6 Months	69.456	68.819	66.877	2.579	9.637	0.851
Efficiency of the system for an year cycle:					58%	7.083

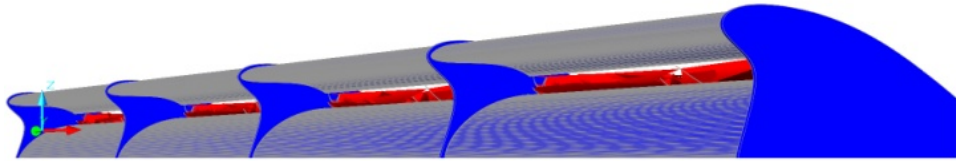
Thermal properties		
Heating Mean Temperature	40	°C
Specific Heat Capacity of Water	4180	J/kgK
Volume of the Water Tank	288	m ³
Density of the Water	1000	kg/m ³



КАКВО ПРАВИМ С ИЗЛИШНАТА ТОПЛИНА?



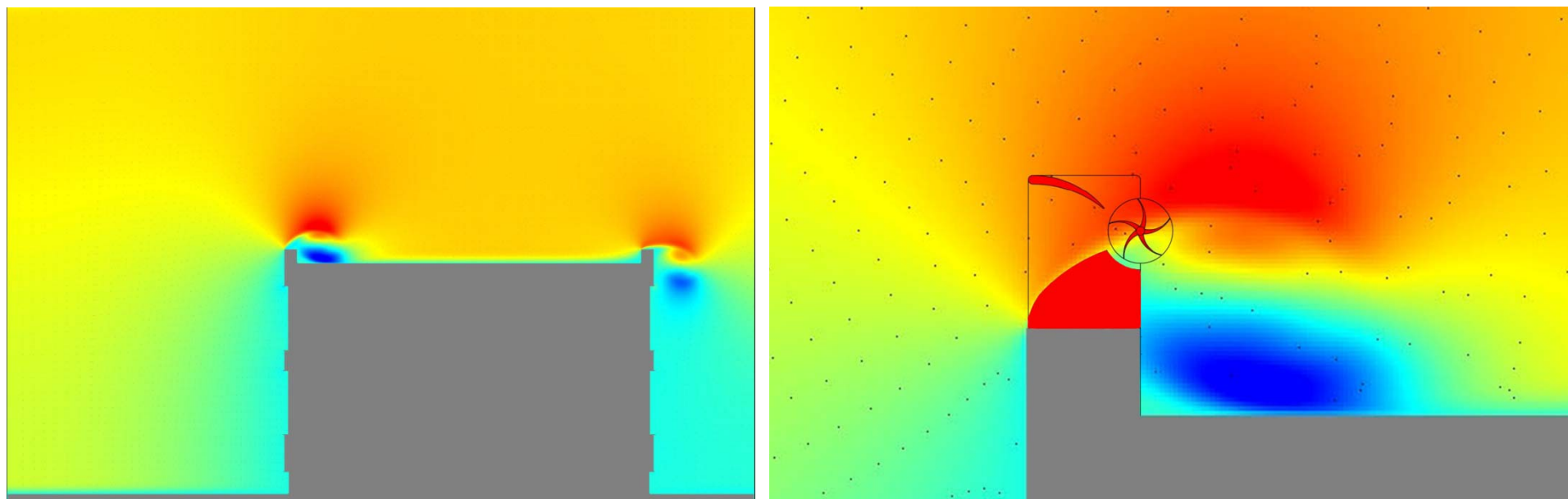
ЦЕКОВ МОТОР: НИСКОТЕМПЕРАТУРНА МАШИНА



ENERGY WIND CORNER



СГРАДИТЕ СА КОНЦЕНТРАТОРИ НА ВЕТРОВО НАЛЯГАНЕ!





Architectonika Studio



ТАКИВА ЩЕ БЪДАТ СГРАДИТЕ НА БЪДЕЩЕТО!



Благодаря за вниманието!

Арх. Димитър Паскалев

info@izeb.eu

