

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ
КАФЕДРА ІНОЗЕМНИХ МОВ
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ ІХ МІЖВУЗІВСЬКОЇ
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ
КАФЕДРИ ІНОЗЕМНИХ МОВ

“TO MAKE THE WORLD SMARTER AND SAFER”

(Суми, 26 березня 2015 року)
The nineth scientific practical student`s, postgraduate`s and teacher`s
LSNC conference

10 STEPS TO A NET-ZERO HOME

S. Saltysh - Sumy State University, group IN-32/1
S.V. Mikhno – E L Adviser

What makes people buy home automation products? About 60 percent of those people do so because they consider energy efficiency as among the most attractive benefits offered by these home devices and services.

It is clear that all home owners want to lower monthly electric consumption and save money. But you need more than just a smart home to save money.

A net-zero home is the home that consumes the same amount of energy that it produces. It is possible! Here are some rules, that can help people who want to transform their homes into a net-zero ones:

Change your gas habit for solar power – by installing solar panels in your home you can lower your dependence on the power grid or lower your cost significantly.

The proof is in the roof – do not use highly reflective paint or tiles for you roof, a sheet covering or shingles can cool roofs by up to 50 percent which means the inside of the house remains cool without using up more energy.

Use energy recovery ventilator – it can help you not only reduce energy consumption but it also cleans indoor air.

Replace your single-pane windows with double-pane ones as it gives better insulation.

Get smart about your thermostat – swap your old thermostat for a smart thermostat that is able to identify patterns of when to turn the temperature up or down, saving you up to 30 percent on your energy bill.

Change your bulbs to CFL and LED bulbs. It is more expensive than incandescent bulbs, but those bulbs work longer.

Replace old water heaters with tankless water heater to save space as well as use less energy or opt for a solar water heater.

The presence of net-zero homes is increasing today, because alternative energy sources are becoming cheaper and the cost for traditional fossil fuel is rising.

These have been some rules for you to help you make your home smarter and control your bills. Your home will monitor energy consumption, save it wherever possible and help you save money.