



MY  
SMART  
HOUSE

HS System – is a turnkey solution for commercial and residential buildings construction with the minimal heat loss factor, it is a synergy of cutting edge energy preserving technologies in one system.



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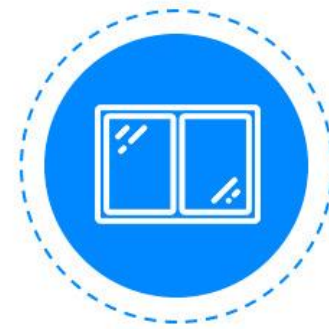
Westend Business Centre  
22-24 Váci út, VII. floor  
Budapest, 1132



CONSISTS OF THE FOLLOWING ELEMENTS:



HS Panel



HS Glass

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## HS Panel - multi-layered energy preserving panels for commercial and residential buildings construction.



Homes made with HS-Panels are 2,5-3 times warmer than those made with conventional construction materials



Homes made with HS-Panels panels allow saving 35-40% on heating comparing to conventional homes;



On the same construction area, homes made with HS-panels can offer up to 15-20% more home usable living area comparing to conventional homes;



HS-Panels minimize construction costs;



Minimal construction time for a 100m<sup>2</sup> home is up to 4 months, including indoor refit;



HS-Panel homes do not require massive and expensive foundations (installation on vinyl posts is possible);



Construction of HS-Panel homes does not require specialized equipment or particularly trained personnel;



Construction with the use of HS-Panels minimizes the risk of faulty construction which is higher with use of other technologies;



Construction with the use of HS-Panels is not influenced by the seasons of the year;



HS-Panel homes are quick to heat up and slow to cool down;



Due to their properties, HS-Panel homes do not require powerful heating system;



HS-Panel homes do not pollute environment;



HS-Panel homes have increased wind and seismic resistance



**HS Glass** is a system of transparent window-like heating elements.



They act as a thermal shield and reduce heat loss from 30% (standard loss for regular windows) down to 3%.



They become a part of heating system of a premise/building when the total glass area is less than 20%.



They can be the only heating system if the total glass area covered by HS-Glass is no less than 20% from the total floor area of a heated premise.





## Home automation systems

are systems for automating residential and commercial buildings for the purpose of optimizing heating and electricity expenses.

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## It is achieved by means of the following:

### 1

#### Climate control of individual rooms in a building

*Example: conference room starts warming up 2 hours prior to a scheduled meeting, while the rest of the time temperature of +14 oC is maintained.*

### 2

#### Calculation of optimal heating levels during the period when the premises are unused

*Example: maintaining the temperature of +14 oC in a residential premise during the business hours, when there are no people there and heating the same premises to +21 oC during the mornings, evenings or when required.*

### 3

#### Intuitive lighting control (as required)

*Example: lighting of connecting rooms when movement is detected.*

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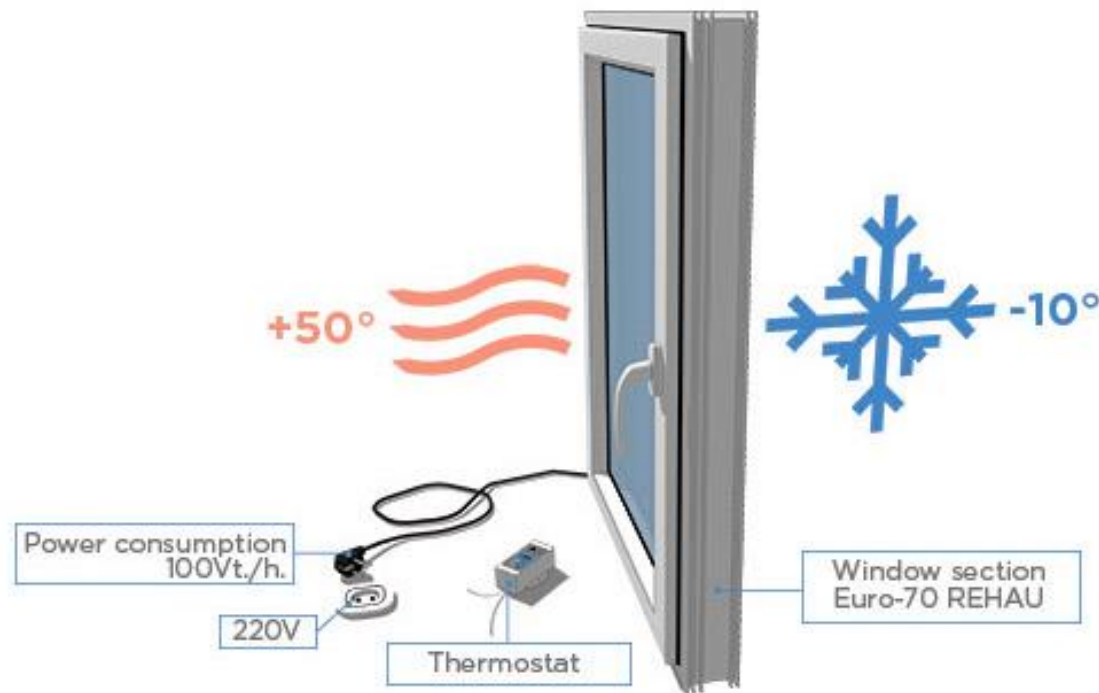
## HSS

is a combination of heat efficient technologies that decrease heat loss tenfold (from 20% standard heat loss down to 2%) and thus reducing heating expenses.



HSS efficiency was experimentally proven by the engineering dept of [MySmartHouse](#):

In winter 2016 heating glass units [HS-Glass](#) were installed in the incomplete exhibition house of the company.







### As a result:

it was possible to stay and work comfortably within the house, without using additional heating equipment. Economic part of the experiment: HSS heating turned out to be cheaper than the heating with the use of standard heaters by a factor of few. The monthly heating bill for a house of **90m<sup>2</sup>** was **EUR 30**.

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[mysmarthouse.international](http://mysmarthouse.international)

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