Show**Case**

Smart Radiators Heats the Building and Reacts to the Changing Environment

Products

• Adjusts temperature due to the weather changes;

• Uses data to predict future actions;

• Informs the owner about the changes;

• Connects with other smart devices.

Results

(Name most important project results,

ej: 12% growth in users)

Project Details

(Name whether is part of a project, parts involved, Country...)

Introduction

Collaboration with one of the Scandinavians giants, Adax, resulted into an innovative IoT solution, at first balanced for the one who do not live regularly in their seasonal houses.

Challenges

The owners of seasonal house, for instance, at ski resorts or rural tourism areas, want to be sure that the building is heated properly when the guest arrives. Lithuanian company Singletonas, UAB have developed the software for the Norwegian company Adax and its purpose is to transform a basic radiator into a smart one.

A device with the installed software connects to cloud computing databases, sends information and receives user-oriented commands, which alert the user about critical situation. The smart radiators can be used in multi-purpose premises and houses, e.g. can be installed in mountain huts, where they would automatically switch on and only heat the place during weekends, when the owners arrive to ski.

Solution

Currently the company is improving the software for smart radiators by involving AI features. While collaborating with AI scientists and research facilities, the team of developers extracts data useful for the AI predictions.

The Norwegians are planning to manufacture a batch of 1000 smart radiators and by the end of the year the number will rise to 85 thousand units.

SC Show**Case**

INTERNET OF THINGS FOR EUROPEAN
SMALL AND MEDIUM ENTERPRISES

Co-funded by the
Erasmus+ Programme
of the European Union

Erasmus+

The item consists of battery-powered electronic locks, software for mobile phones and an information system. The company, Singletonas, UAB figured out how to maintain a charged battery for two years, since more often than not the post-boxes in Norway are situated farther from residential property, so there is no inlet power.

References

SC ShowCase