

MINISTRY OF TOURISM
PROMOTION AND STRENGTHENING OF COMPETENCE
VOCATIONAL OCCUPATIONS FOR TOURISM 2017.

Find Me

Mechanical engineering school Osijek



The objectives to be achieved by the implementation of the project

By the implementation of the project will be achieved global market trends on which the Croatian tourism should capitalize by 2020

This project involves a proactive approach to preserving the environment, natural and social resources. The implementation of 'green' concepts at all levels of opportunities for genuine sustainable tourism development and compatible market positioning .

By including non-tourist sector in the development of tourism in continental Croatia increases innovation and entrepreneurial spirit, and collaboration with other stakeholders in tourism is encouraged

Design stages

- Developing ideas
- Product design
- Creating a product prototype
- Product Testing
- Presentation of the system – Baranjska planina

Developing ideas

The main idea of this project was to create a device that would allow the finding of injured and lost hikers / tourists.

This device must be as convenient as possible it would be accessible to all hikers / tourists or mountaineers / tourist communities.



Tired of
thinking

Developing ideas



Work atmosphere
in the project
office

Everyone has the
BEST idea

Developing ideas



The highest peak nearby
Baranjska planina - 245 m

The device must work
in areas where the
mobile network is
unavailable

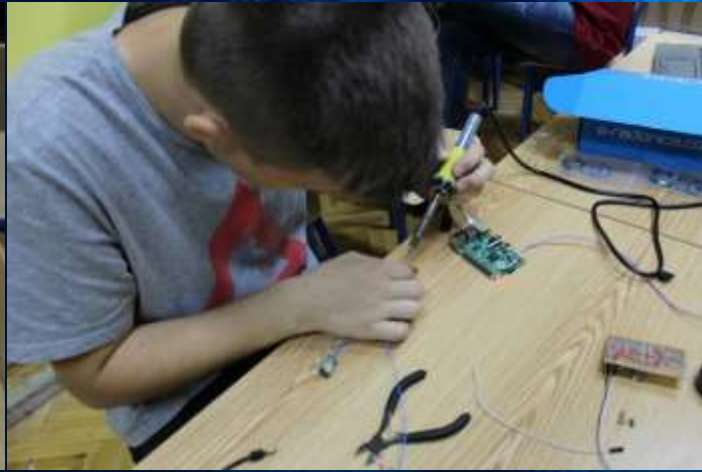
Product design

The primary idea was to make the product of two parts. The first part is on an unmanned aircraft and serves as a signal receiver.

The second part, the transmitter, is located on a hiker / tourist and it is used to transmit the signal.

Simplified – The device on unmanned aircraft reads the signal of the lost person and sends the position of the signal to our web server which gives the coordinates of the lost person

Creating a product prototype



Product Testing

Testing was successfully done in the school yard.

To explain the principle of work, assume the 1km^2 space that an unmanned aircraft covers, then assume that the person who got lost on it is wearing the Find Me emitter! and she just activated it.



Product Testing

The unmanned airplane flies in a pre-determined path on the area it covers and is tracked all the time if there are activated transmitters at a frequency of 433MHz.

If the signal is found, the location where it received the signal, the device records it in its memory and can be sent immediately to our web server (<http://www.project-find.me>)



Product Testing

Once the data comes to the server on our website a red dot appears on Google maps which shows where the unmanned aircraft was at that time, and a 100m diameter to search for the lost person.



Presentation of the system – Baranjska planina



Welcome salute!



There is always a wire we have to connect



I can not wait for someone to get lost!!!!



One of the most important parts of the project implementation

Presentation of the system – Baranjska planina



Checking the location



The crime scene team
„Find Me”



Test flight

Presentation of the system – Baranjska planina



Tea and Mario are examining the terrain more thorough



At this moment they realized that they were lost in the abundant deep forest of the Baranja Mountains



Fortunately, they brought and activated the Find Me! device

Presentation of the system – Baranjska planina



Meanwhile, David and Borna activated the area search system



View from the drone



A moment of finding the lost

Presentation of the system – Baranjska planina



The position of the lost is visible on Google Maps



Mario says it was terrible, he thinks he saw a bear and that we saved them in the last moment



Yes, yes, we all believe it!

Presentation of the system – Baranjska planina



Project Team after a successful presentation of the Find Me system..



...at the same time the members of the student cooperative of the School



Relaxing in the beautiful landscape of Baranja!

Participants in Baranja adventure

- Tea Kovačević
- David Blažević
- Borna Butković
- Andrija Habus
- Mario Kantor
- Adam Varga
- Vinko Zlomislić, prof.
- Dalibor Rašić, dipl.ing.



Thanks to everyone who helped us in the
successful implementation of the project

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