



MINISTRY OF TOURISM
PROMOTION AND STRENGTHENING OF COMPETENCE
VOCATIONAL OCCUPATIONS FOR TOURISM 2016.

Solar Power Point

Mechanical engineering
school Osijek







The objectives to be achieved by the implementation of the project

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- The implementation of the project is touching global market trends on which the Croatian tourism should capitalize by 2020
 - This project involves a proactive approach to preserving the space, natural and social resources. The implementation of 'green' concepts at all levels opportunities for genuine sustainable tourism development and market positioning Compliant
 - By including non-tourist sector in the development of tourism in continental Croatian increases and encourages innovation and entrepreneurial spirit, and collaborates with other stakeholders in tourism.
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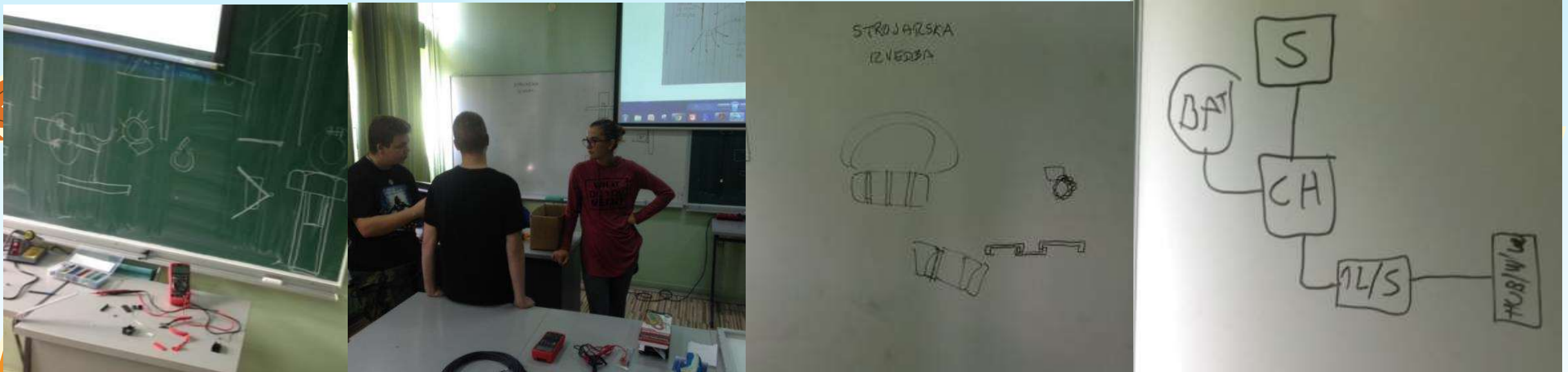


Design stages

- Brainstorming
 - Designing solar system
 - Production of solar system
 - Testing solar system
 - Presentation solar system
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Ideas....

The main idea of this project was to create a portable solar system for charging mobile devices that can quickly mount to any location.



Ideas....

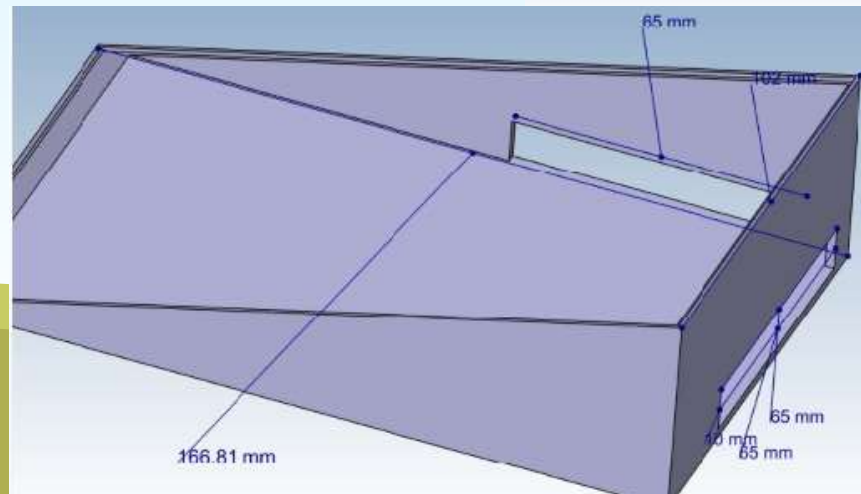
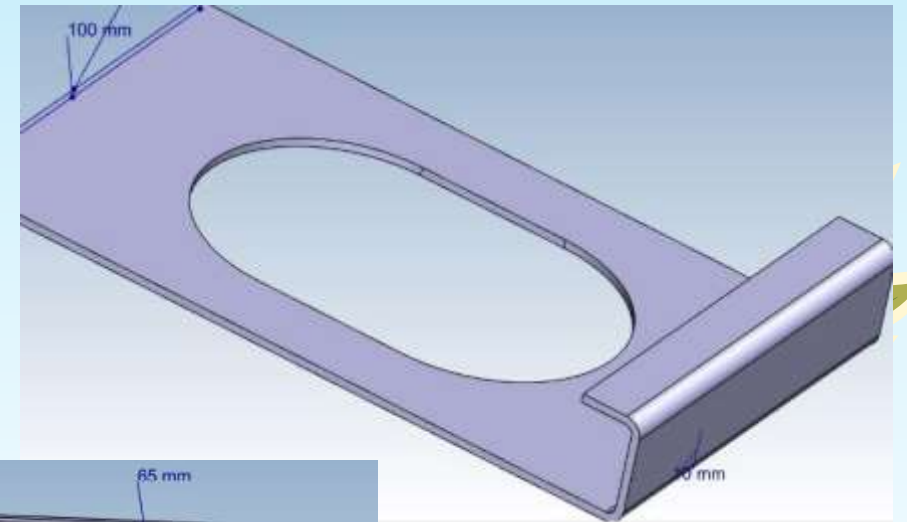
The entire system is divided into two separable parts.

The upper part consists of a solar panel, a komulatori, converter and a voltage regulator, and is designed to be mounted on a pole using a single screw.



Ideas....

The lower part is housing, printed on a 3D printer in which is mounted 6 USB ports and a module for wireless charging of mobile phones



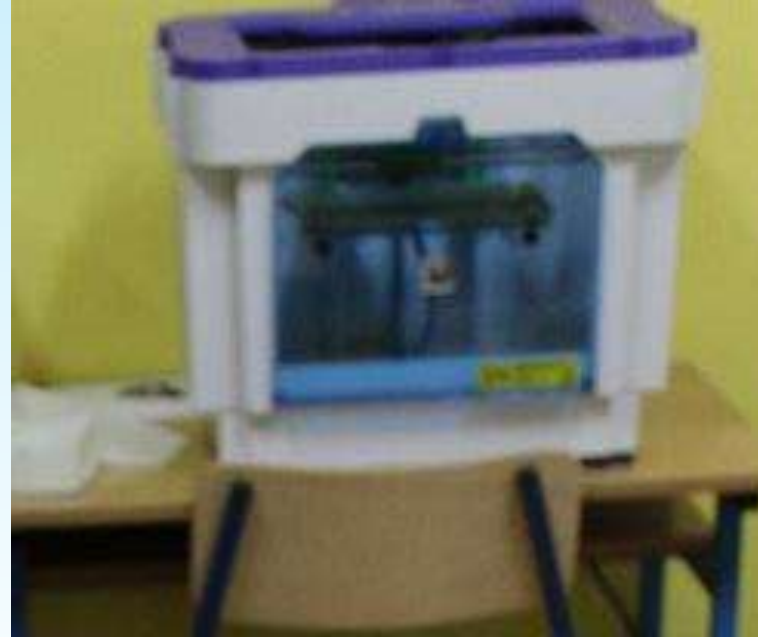
Designing



The works in the school workshop



3D printing



Exploiting old devices - recycling



Assembly



Testing



Product presentation– Strojaraska tehnička škola Osijek





Product presentation- Tvrđa-Rondel velikana



Project team members

- Tea Kovačević, Head of Desing – responsible for the look and functionality of the system
- David Blažević, Head of electricity – is responsible for the electrical system functionality
- Andrija Habus, Head of another opinion – responsible for asking questions „but what if we do this...”
- Mario Kantor, Head of the mechanical part of the system – proved to be excellent Painter
- Filip Tot, Head og Control – responsible for the correct order of operation assembly and commissioning
- Dalibor Rašić, dipl.ing., the holder of the keys Schools – responsible for the procurement of parts and materials, and proved to be an excellent waiter during project development





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



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row we share great stories Tourism in
Croatia