

BLUE ENERGY

Developed by The Band of Ocean

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Introduction

Our modern society has a large need of energy in the form of electricity. We use it in our everyday lives as well as to power our industries. But where does that electricity come from? How does it get stored until just the right time for us to use it? How does it get to us?

Our goal is to provide the answers to those questions in an interesting and engaging way.

The Team

Our team consists of 3 members:

- Boris Biserov Kanev <bbkanev18@codingburgas.bg> Class IX^A
- Emil Ivo Ribarev <eiribarev@codingburgas.bg> Class IX^V
- Martin Stefanov Sevov <mssevov18@codingburgas.bg> Class IX^V

Our consulting teacher is Yordanka Nikolova <ynikolova@codingburgas.bg>.

The Project

Goals

The Blue Energy project aims to provide information about producing, storing and transmitting energy in an easy to understand way.

Stages of Realisation

The development process of the project can be split up into three main stages:

1. Brainstorming
2. Developing the web site
3. Making the videos

Level of Complexity

Logical Structure

The project can be divided into two modules:

- ***The Blue Energy*** [YouTube channel](#) – contains videos on different topics related to blue energy
- ***The Blue Energy*** [website](#) – the main part of the project. It links to the videos on the YouTube channel and has explanations as well as additional information for each video
 - ***The Home page*** – introduces the user to the topic of Blue Energy and the website itself

- *The video pages* – each video has its own page which provides additional information about the corresponding topic. These pages are listed under the “Energy” tab in the navigation bar
- *The Video page* – lists all the videos with a short description for each one
- *The About page* – contains information about the members of the Team

Realisation

The Website

The website was built using HTML and CSS. The HTML specifies the logical structure and content of the website. The CSS controls the aesthetic of the presented content.

For the dropdown part of the navigation bar and the contact form, we also used JavaScript.

All code was written using *Visual Studio Code*¹.

The Videos

The videos were edited using *Vegas Movie Studio 15 Pro*². The audio for them was recorded and edited with *Audacity*³.

¹ Visual Studio Code – <https://code.visualstudio.com>

² Vegas Movie Studio – <https://www.vegascreativesoftware.com/us/vegas-movie-studio>

³ Audacity – <https://www.audacityteam.org>

Conclusion

We have achieved the goals that we set from the beginning. The website gives information about the chosen topic and does it in a way which can attract viewers from a large target audience. It fills in blind spots in the viewers' understanding about energy.

The project can be expanded with additional videos on more topics and the website provides a means of user feedback so that we know where to direct any further efforts.