

# Sprint 5 Review Report

Project: Semester Project Group 11

Sprint Duration: May 7 - May 21, 2024

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Stakeholders: Sadok Ben Yahia

## 1. Sprint Goals and Outcomes

The goal for this sprint was to finish developing the program's every must to have feature and polish those, to be acceptable for the presentation. We carried on with the remaining tasks from Sprint 4 and continued the development of the full program.

### **Goal 1:** Create Boiler Usage

Status: Completed. Created an additional page inside the program, where the distribution amongst boilers can be viewed, additionally to the saving options.

### **Goal 2:** Create Custom Boiler

Status: Completed. The User of the program can now create a fully customizable boiler.

### **Goal 3:** Neural Network Optimizer

Status: Completed. The program is written for a neural engine to find the optimal solution.

### **Goal 4:** Create Graphs

Status: Completed. All vital and comparable data is displayed for the user to put the optimized scenario in context.

### **Goal 5:** Choosing Boilers for the Optimization

Status: Completed. We made the possibility for the user to be able to choose which boilers they want to use to get the optimized results.

### **Goal 6:** Save to external files

Status: Completed. User is now able to save the boiler usage and the Optimized data to external CSV and Microsoft Excel files.

### **Goal 7:** Heat demand and Electricity price Line Chart

Status: To-Do. We want to display additional information about the provided data, to give a deeper understanding to the user.

## 2. Completed Work

Many things have been completed during this Sprint, all big steps towards the end goal. The biggest things are the new UI of the application, saving to files, and making custom boilers.

### **3. Unfinished Work.**

Not that many things remain, essentially all the Must features from the MoSCoW breakdown have been created.

### **4. Quality and Technical Issues**

The graphs don't display correctly from time to time, but the bug can be resolved with reloading the page.

### **5. Team Dynamics and Collaboration**

Work has been mostly divided equally, with everyone doing their part. Communication was clear and to the point. We had weekly meetings for scrum.

### **6. Processes and Tools**

Jira helps keep track of the backlog and manage the sprint. Razor pages, Bootstrap and JavaScript has been used for UI.

### **7. Stakeholder Feedback**

There hasn't been much feedback after the presentation

### **8. Obstacles and Impediments**

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### **9. Successes and Wins**

The presentation was a great success, the program is almost finished.

### **10. Action Items for Improvement.**

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