

## Educational Project Installation and Operation - Guide

This document lists the installation steps which are required to run the educational project (Lehrprojekt) on a Windows PC

1. Download and install Anaconda Navigator:  
<https://www.anaconda.com/products/individual>
2. Download and install Solver 'cbc' für Python 3.6  
[https://oemof.readthedocs.io/en/release-0.12/installation\\_and\\_setup.html#windows-solver-label](https://oemof.readthedocs.io/en/release-0.12/installation_and_setup.html#windows-solver-label)
3. Download educational project and store all files with the given folder structure on your harddrive  
[https://github.com/oemof-heat/educational\\_project](https://github.com/oemof-heat/educational_project)
4. Open Anaconda Navigator
5. Make new environment for python 3.6
6. Open Anaconda Prompt
7. Activate your environment (see step 5)
8. Navigate to the selected folder under step 3
9. Install all required packages using the command "pip install -r requirements.txt"

The project is now ready to run.

1. Define calculation setup in the file "config.yml" in the folder "experiment\_config" using a standard editor
2. Define boundary conditions for the optimization by adapting data in file "parameters\_Team\_XX" (XX for Team number) in folder "data"
3. Navigate to folder src in Anaconda Prompt
4. Start optimization in Anaconda Prompt with: "python main.py"
5. Wait computation to finish in Anaconda Prompt
6. Analyse results in folder "results"