

What is the project about?

As part of the "Energy and Sustainability" module, students on the International Business and Engineering (M.Eng.) course have been given the task of designing an energy concept for Heidelberger Druckmaschinen that improve cost efficiency on the one hand and reduce the environmental impact on the other. Students on the Climate Change Management and Engineering (B.Eng.) course are also involved in the project.

The students receive real energy consumption data with a high temporal resolution from the company and are to investigate

various energy supply alternatives from technical, economic, environmental and social acceptance points of view and develop energy roadmap for the Wiesloch-Walldorf site of Heidelberger Druckmaschinen AG.

The students should focus equally on electricity and heat supply in their work, whereby they will carry out their analyses in groups of three in competition with other student groups.

What are the next steps?

16.10.2023 | Project Kick-off

18.10.2023 | Definition of project groups

18.10.2023 | Excursion to the company Heidelberger Druckmaschinen AG

18.10.2023 | Excursion to the Stadtwerke Walldorf (Combined heat and power plant)

23.10.2023 | Milestone 1: Presentation of the status quo for schedule and goals

09.11.2023 | Milestone 2: Presentation of the status quo for the methods

13.11.2023 | Excursion to the Iffezheim hydropower plant and the RDK coal power plant in Karlsruhe

30.11.2023 | Excursion to the Pfisterer biogas plant

04.12.2023 | Milestone 3: Presentation of the status quo in the results

21./22.12.2023 | Final presentation and presentation of the results

Project team

Prof. Dr. Enver Doruk Özdemir, Head of International Business and Engineering (M.Eng.) | Prof. Dr.-Ing. Ulrike Gayh, Head of Water Technology (M.Eng.) | Dr. Thomas Sterr, Head of Climate Change Management and Engineering (B.Eng.) | Tobias

At a glance:

Project duration: 16.10. - 22.12.2023

Cooperation partner: Heidelberger Druckmaschinen AG

All about your studies

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