

Summer School Engineering Visions 2023,

'Industry 5.0: Sustainable Cities and Communities'



Summer Schools Engineering Visions have been organized since 2013 by the group of six technical universities that successfully continued the initiative of the HTW Saarland in Germany.

Working in intercultural teams in collaboration with industry, the students design visionary solutions to civilization problems, the solutions that may be utilized in a perspective of several or several dozens years.

The initiative lets the students acquire knowledge and develop competencies in their major field of study but also creates a favourable environment for developing skills necessary for a contemporary job market such as real-life problem solving, quick decision-making, communicating in English in an intercultural setting, working in an international team as well as using creative methodologies such as problem-based learning, design thinking, and challenge -based learning.

The companies involved in summer schools benefit from fresh and unconventional approach of young generation to '*wicked problem solving*' but also have an opportunity to promote their operations in an academic setting.

So far Engineering Visions Summer Schools have taken place in Germany, the Netherlands, Switzerland, Poland, Sweden and Scotland. This year Engineering Visions '*Industry 5.0: Sustainable Cities and Communities*' is organized by Lodz University of Technology and takes place from August 28 to September 8. The leading theme is Industry 5.0, the industry of the future encompassing three main pillars: human-centric orientation, sustainable development and resilience to risks and crises provoked by a dynamically changing environment.

Engineering Visions 2023, '*Industry 5.0: Sustainable Cities and Communities*', at Lodz University of Technology hosts the students and academics from **Germany, the Netherlands, Switzerland, Sweden, Scotland, France and Poland**. The international students work for two weeks in close collaboration with companies and create solutions with the use of innovative technologies of today while respecting the values of sustainable development, resilience and well-being of people and nature.

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