



AKTION ÖSTERREICH – TSCHECHISCHE REPUBLIK
Wissenschafts- und Erziehungskooperation
AKTION ČESKÁ REPUBLIKA – RAKOUSKO
spolupráce ve vědě a vzdělávání

FINAL REPORT

A place for submitting project proposals for CZ and Austria:

DZS – AKTION
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Project number:

87p16

Name of the project:

SUSTAINABLE DESIGN WITH TRADITION

Submitter:

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Project duration from: 15.11.2021

to: 19.11.2021

Required support:

3038
EUR total €

94 625
CZK total Kč

The first part of the 87p16 DZS - Aktion project took place last year, but due to the coronavirus pandemic only in a modified and reduced form. An online workshop was held between Czech and Austrian students. The unspent part of the funds was transferred and used this year - 2021.

Unfortunately, the current situation with coronavirus in the autumn was reflected in the organization of this year's event. It was not possible to carry out the planned excursions to company operations (Ton, Kubiček Ballons). Thus, the funds were used to rent the premises of the Technical Museum in Brno, where an international workshop between Czech and Austrian students took place. Meals and refreshments were also provided for all participants during the entire event, which was provided by the Brněnka company.

Before the beginning of the workshop, a tour of the Technical Museum in Brno was organized with an expert explanation in English. Students visited 17 exhibitions such as steam and water engines, the history of optics, computer technology, hardware, historic cars, stereo vision and more.

The topic of the workshop was the conceptual solution of the design of an autonomous unit for growing crops in an urban environment for the company 3x6 Urban Farming. The students' task was to design an attractive and innovative concept that includes a mobile robotic arm. It deals with the planting of crops, their fertilization and watering.


The workshop was attended by a total of 41 participants: 6 teachers (3 CZ, 3 AT) and 35 students (11 CZ, 24 AT). The students were then divided into a total of 8 mixed teams. They worked intensively on their ideas during the entire workshop at the Technical Museum in Brno. Every day there was a consultation of Czech and Austrian teachers with individual teams. All teams developed their designs in the form of sketches, drawings and 3D digital visualizations.

At the end of the intensive workshop, a final presentation of individual conceptual solutions took place. Each team had 7 minutes to present their idea, which was then commented on by Czech and Austrian teachers from a design, ergonomic and technical point of view.

In the end, there was an overall evaluation of the whole event from both sides. All teachers showed satisfaction with the course of the workshop and especially with the high level and scope of processed proposals in such a short time.

Brno 7. 1.2022

Salzburg 14.1.2022



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