



Co-funded by the
Erasmus+ Programme
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Erasmus+

A Lutin-Wetzlar projectwork
Autumn 2017



PROJECTWORK DESCRIPTION

- In total, there are 50 students
- Four teams are formed, each team is divided into four more groups (CAD, CNC, Workshop, Documentation)
- There is also a separate Videodocumentation group



PROJECTWORK DESCRIPTION

- The main objective is to create a so called „green outlet“, which is composed of a wooden stand with a plastic plate
- The plastic plate is decorated by engraved school logos, text and a wind powerplant miniature and has LED backlighting, powered by a wind powerplant using a USB port



THE PROFESSIONALS



OUR TEAMS

TEAM 1



- Jan Pišťák
- Michal Zbořil
- Milan Vojáček
- Jiří Koudelík
- Marie Vojáčková
- Matyáš Blažek
- Robin Schnackenkinkel
- Nico Krug
- Philipp Schneider
- Anna Rosenberger
- Tim Stöckl
- Niklas Preußner

OUR TEAMS

TEAM 2



- Petr Jalůvka
Václav Metelka
Josef Válek
Radim Baďura
Zdeněk Dostál
Tomáš Kappel
- Numan Akinti
Max Kühlwein
Sandro Find
Philipp Mathes
Ilayda Erisik
Katharina Klemenz

OUR TEAMS

TEAM 3



- Tomáš Sotorník
- Jakub Crhák
- Filip Veisgäber
- Petr Ambrůz
- Jiří Tkadlec
- Ondřej Folk
- Tim Wilhelm
- Patrick König
- Marvin Lux
- Leon Schmidt
- Moritz Ott
- Enis Sancar

OUR TEAMS

TEAM 4



- Petr Hanák
- Stanislav Šesták
- Matěj Škoda
- Nicolas Tóth
- Antonín Pekar

- Felix Biemer
- Norwin Kersting
- Marian Müller
- Lukas Knetsch
- Max Bender
- Tim Watz

CAD GROUPS

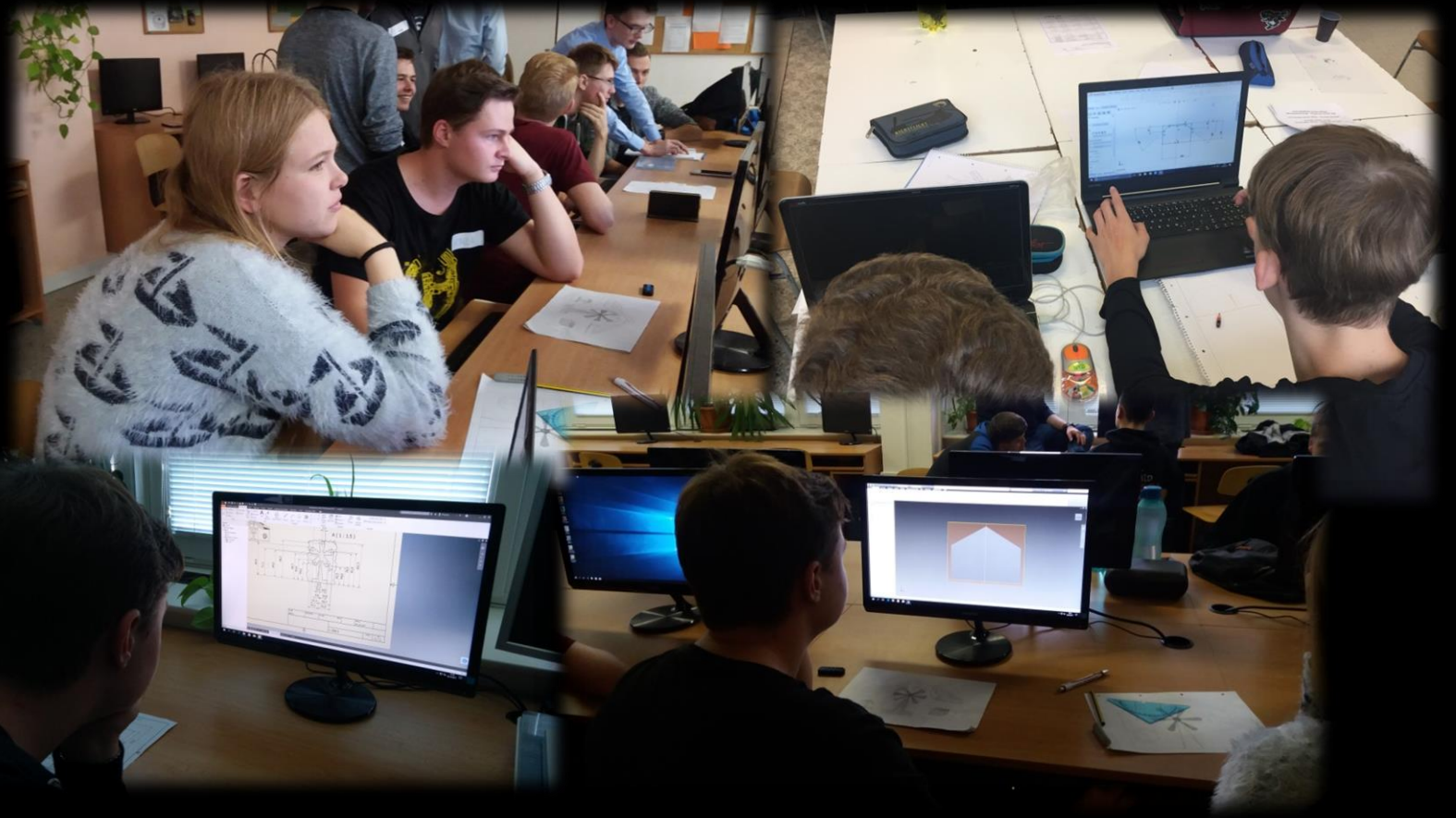


Jan Pišťák, Petr Jalůvka, Tomáš Sotorník, Jan Kupka, Stanislav Šesták

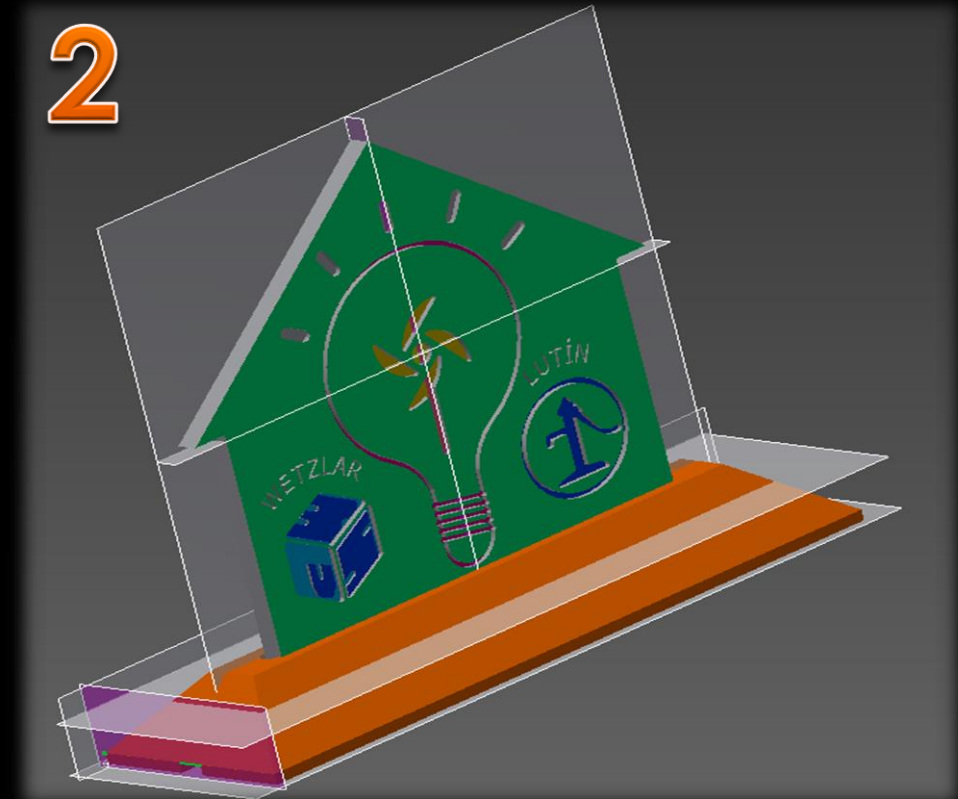
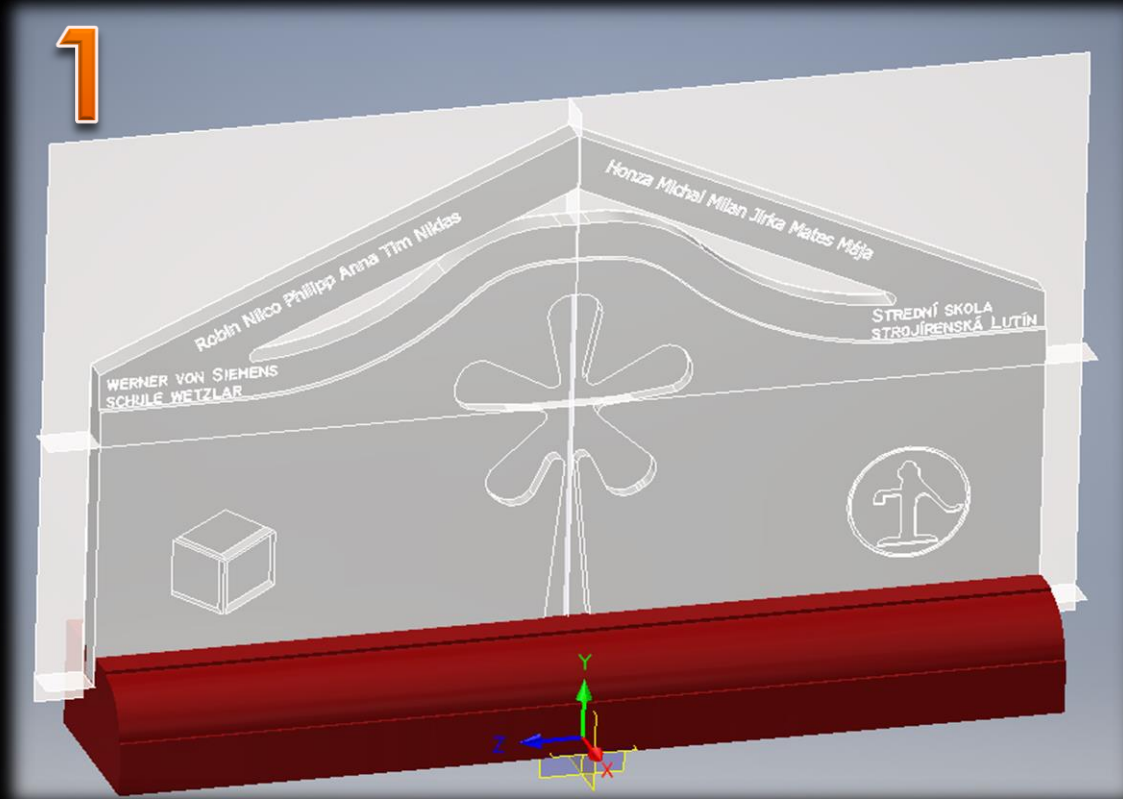
Robin Schnackenwinkel, Nico Krug, Numan Akinti, Tim Wilhelm, Felix Biemer, Norwin Kersting

VISUALIZING OUR IDEAS

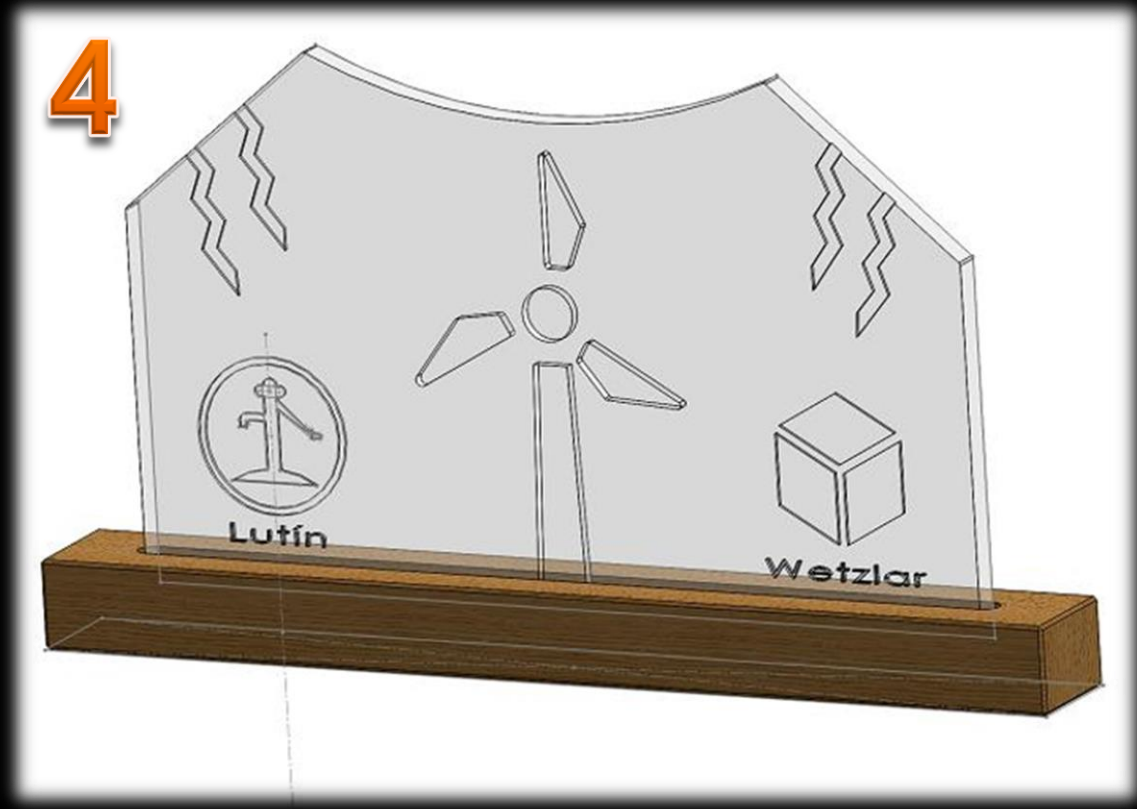
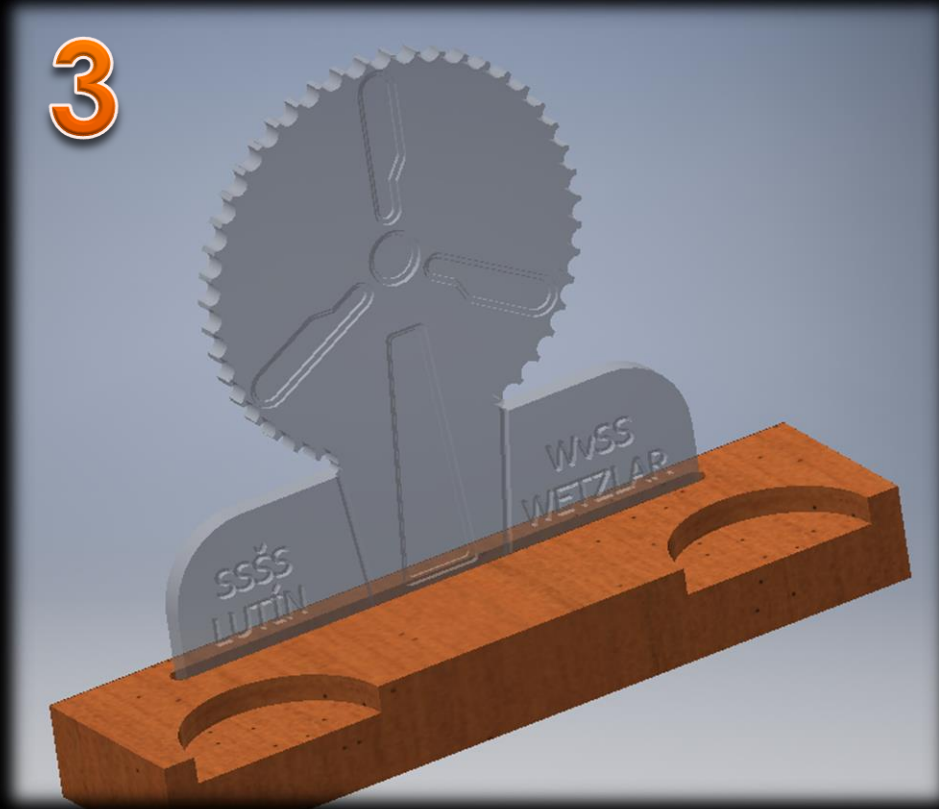
- Model all the needed parts using a 3D CAD software
- Create sheets for the CNC group



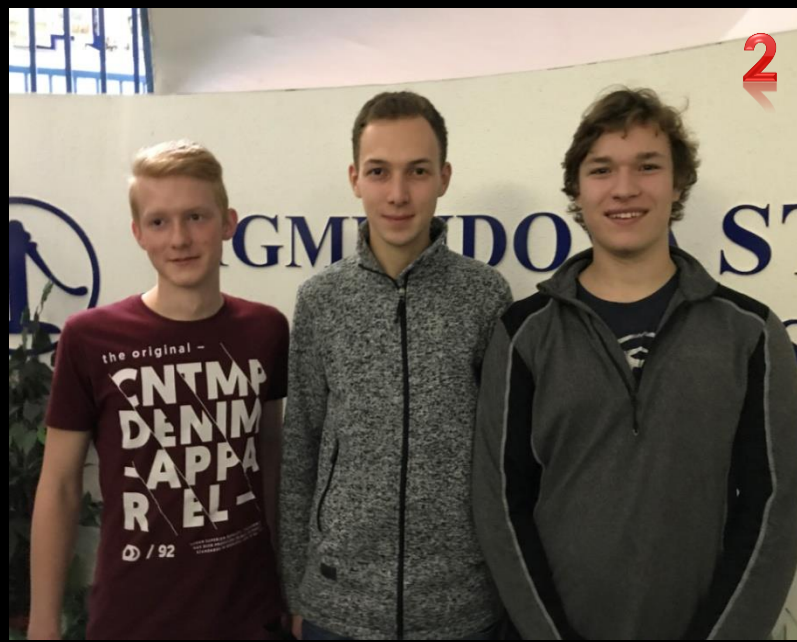
FINISHED 3D MODELS



FINISHED 3D MODELS



CNC GROUPS

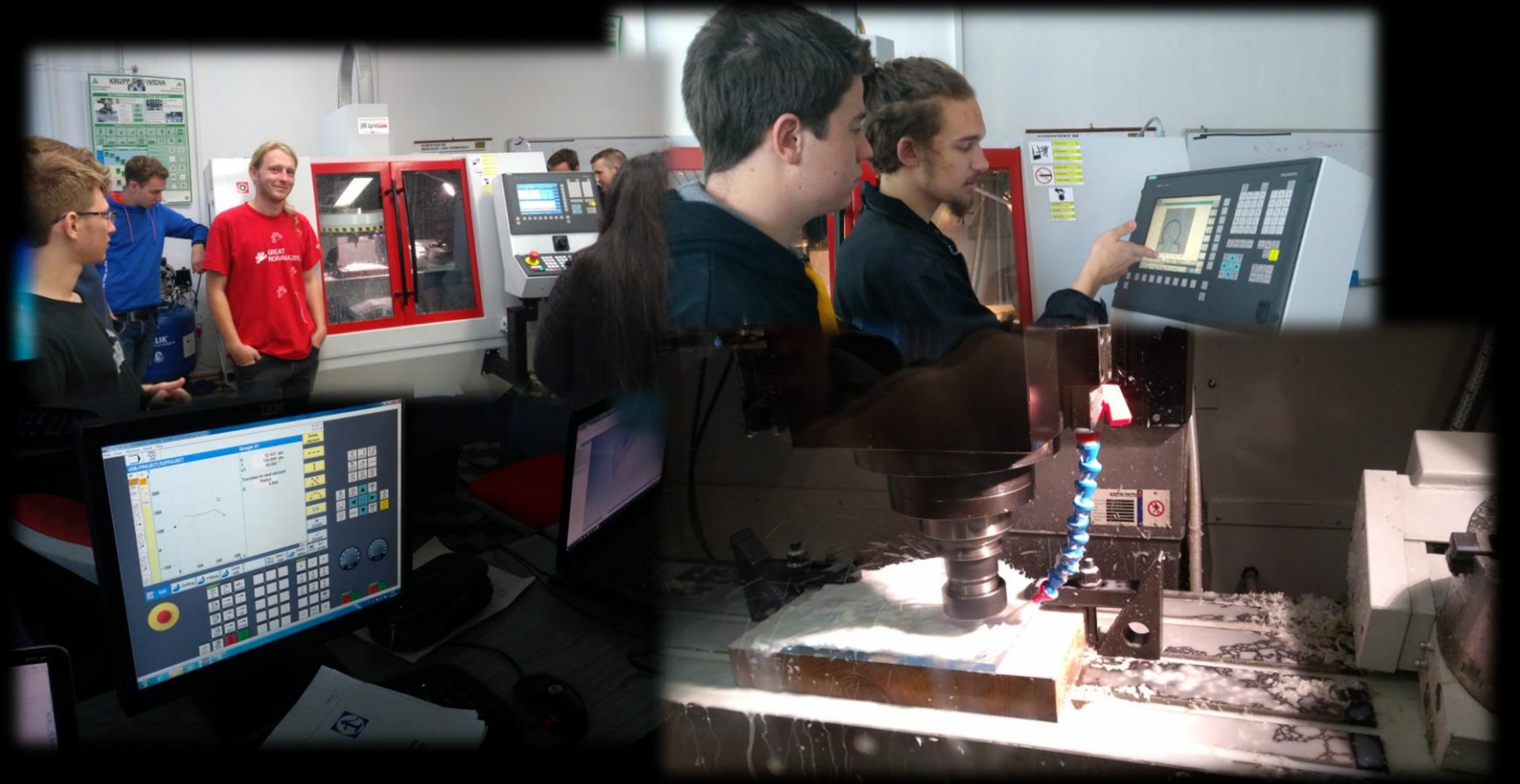


Michal Zbořil, Václav Metelka, Josef Válek, Jakub Crhák, Matěj Škoda

Philipp Schneider, Max Kühlwein, Patrick König, Marian Müller

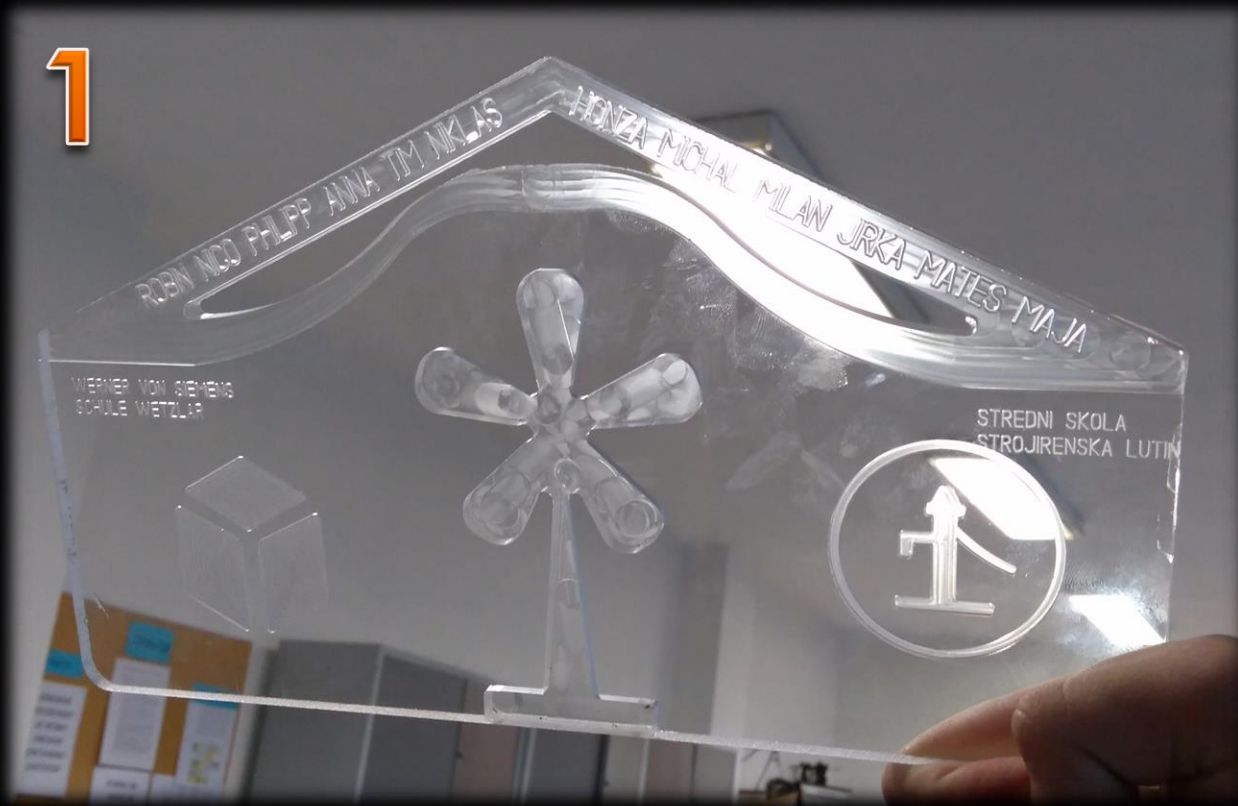
PROGRAMMING IN PROGRESS

- Create a CNC program to mill the plates and engrave the decoration
- Take care of the milling process including machine setup

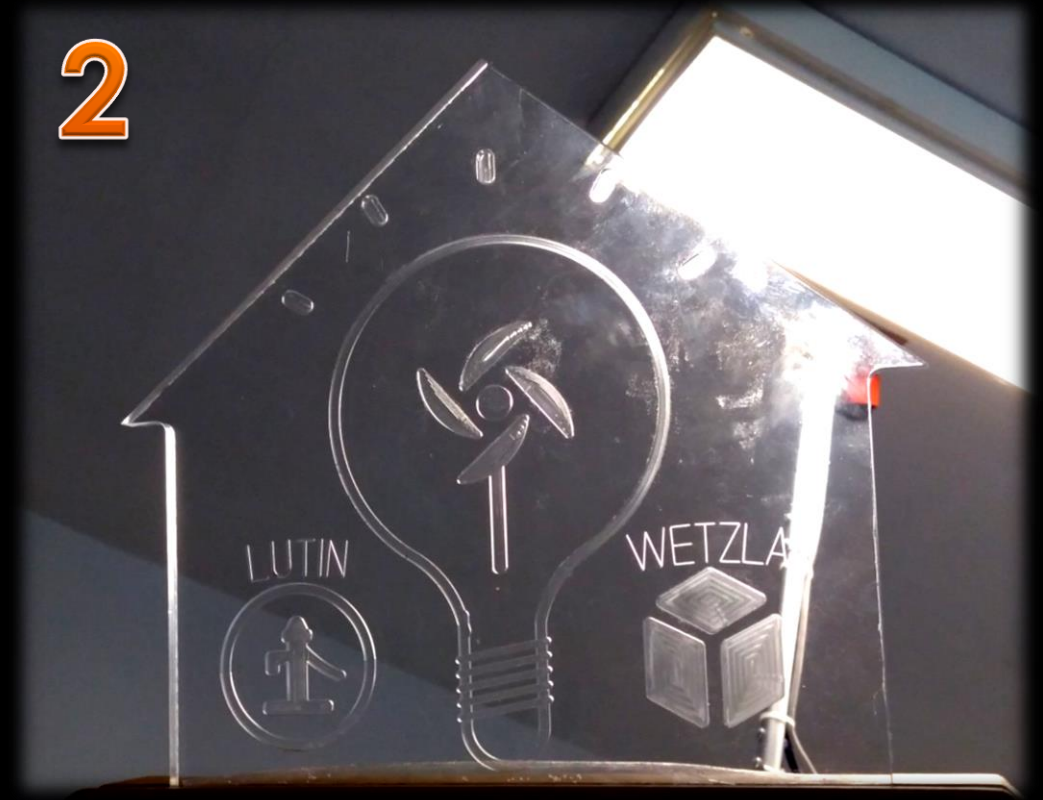


MILLED PLATES

1



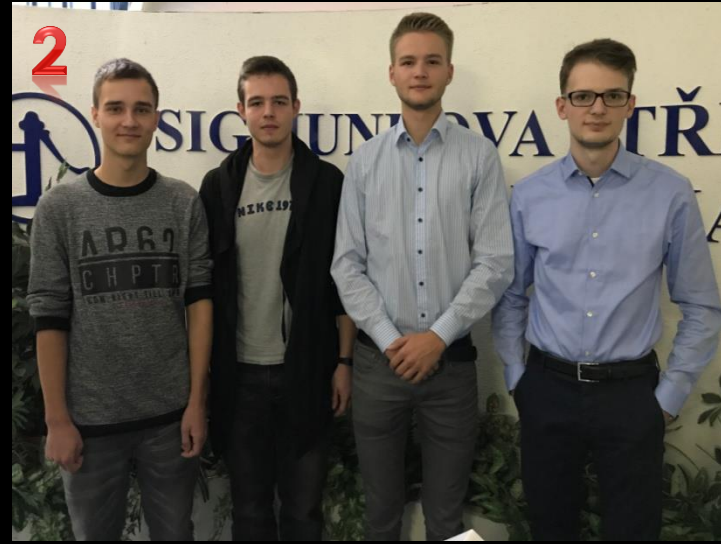
2



MILLED PLATES



WORKSHOP GROUPS



Milan Vojáček, Jiří Koudelík, Radim Baďura, Zdeněk Dostál, Filip Veisgäber, Petr Ambrůz, Nicolas Tóth

Anna Rosenberger, Tim Stöckl, Sandro Find, Philipp Mathes, Marvin Lux, Leon Schmidt, Lukas Knetsch, Max Bender

FINAL TOUCHES

- Making final modifications
- Assembling parts together
- Improving overall design and quality



DOCUMENTATION GROUPS

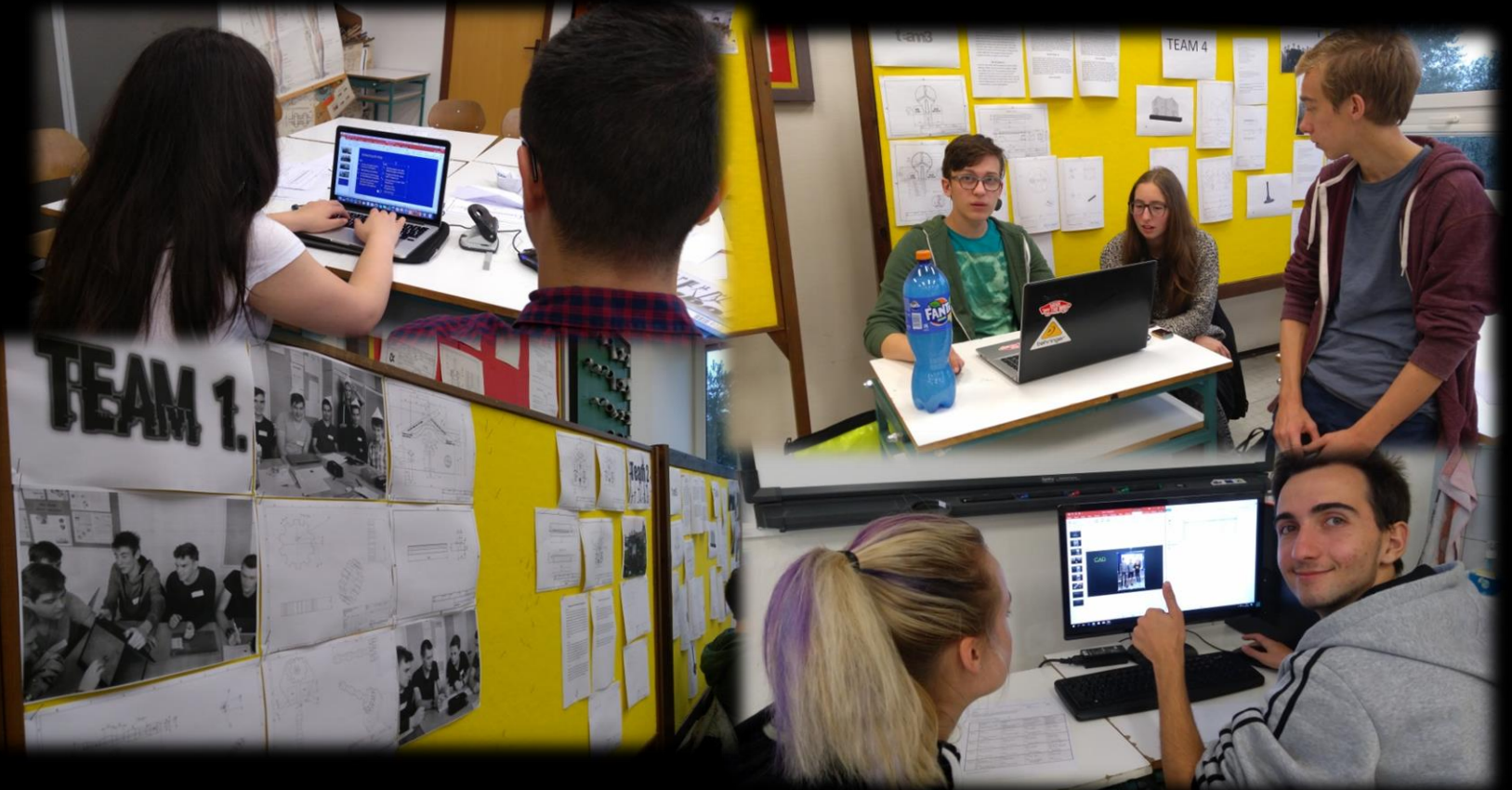


Marie Vojáčková, Matyáš Blažek, Tomáš Kappel, Odřej Folk, Jiří Tkadlec, Antonín Pekar

Niklas Preußner, Ilayda Erisik, Katharina Klemenz, Moritz Ott, Enis Sancar, Tim Watz

RECORDING OUR WORK

- Taking photos and videos
- Making team presentations
- Decorating the pinboards
- Filling team folders with documents



VIDEODOCUMENTATION GROUP

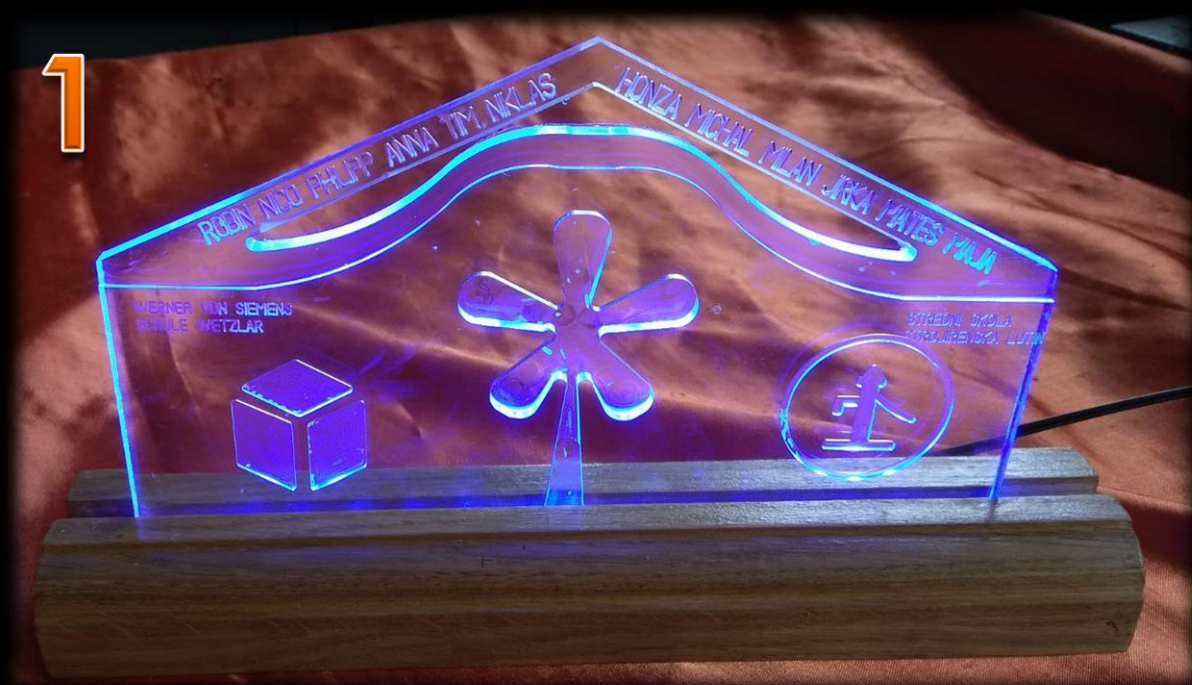
- Recording, editing and producing the final projectwork video



Selim Rudolph, Julia Ponkratz

OUR FINISHED PRODUCTS

1



2



OUR FINISHED PRODUCTS

3



4



OUR FINISHED PRODUCTS



DID YOU KNOW?

- This projectwork marks the 20th anniversary of our international cooperation
- Over 1 300 hours (81 900 minutes) were spent by working in total
- Over 1 000 people attended the projectworks in total
- Over 32 000 kilometers were travelled during our projectworks, that's more than $\frac{3}{4}$ the length of Earth's equator

ANNOUNCEMENT

- The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein

THANK YOU FOR YOUR ATTENTION!

We hope you enjoyed our little presentation and we would like to wish you a nice rest of your day.