



DENSO Challenge holds final presentations at Aachen Engineering Center

On the 30th of January 2018, the last DENSO Challenge presentations took place at Aachen Engineering Center (AEC) in Germany.

There, the 5 schools which took part in this project gathered in a large meeting room and presented their ideas in front of a panel of judges, namely:

- Frank Stehr, Hardware Engineer AEC
- Mark Waring, Hardware Engineer AEC
- Matthew Keller, Powertrain Component Engineer AEC
- Britta Mast, HR AEC
- Frank Tessers, teacher at VHBO College Maastricht, The Netherlands

- Kitty van Tilburg – Houwen, teacher at Porta Mosana College Maastricht, The Netherlands
- Daniel Pasmans, teacher at Grotius College Maastricht, The Netherlands
- Swen Corsten, teacher at MKG College in Wegberg, Germany

The event was coordinated by Ana-Maria Marinescu (DNEU CCD) and Britta Mast (AEC HR) who welcomed guests, ensured that judges were briefed about the presentations, organized the judging forms, and supplied everyone with drinks and snacks throughout the day.

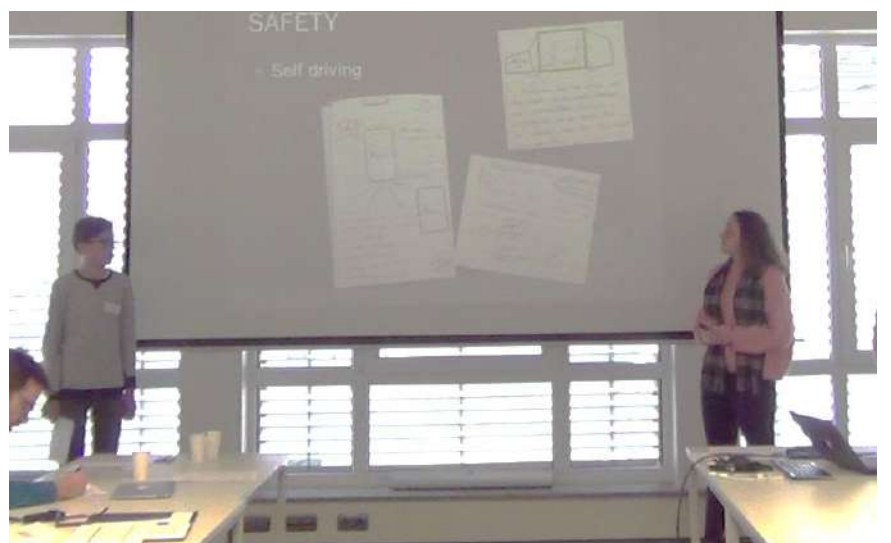
The first team to present was from The Netherlands and they shared their ideas on cars in a sustainable society, the sustainability and safety of their own concept and lastly they shared what they learned from this project.

For the explanation of a sustainable society, the team focused on the circular economy butterfly model which explains how the materials inside the car can be reintegrated in the society. They also talked about solar panels power, autonomous driving and alternative energy sources. They received feedback from Frank Tessers, teacher at VHBO College in Maastricht.

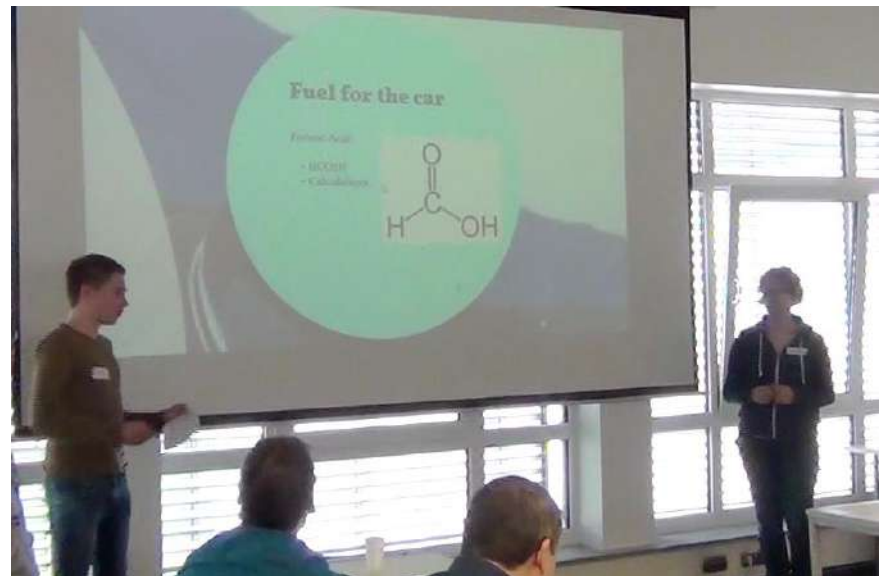


The second team was also from The Netherlands and they actually drew a model of their vision for the car of the future. They wanted to show a car which was entirely out of their ideas and not inspired from anything else which exists. They wanted their car to be semi-automated and the materials used for the seats would be light and made out of memory foam. They came up with interesting ideas and at the end of their presentation, John La Pierre (Unit Head CCD DNEU) gave feedback to the team.

The third team from The Netherlands came up with their own model of the car of the future. They imagined that cars will be able to drive on the road connected in a way similar to trains. The lead car will have an aerodynamic shape which will allow the set of cars to move fast. They chose a car powered by hydrogen cells to protect the environment by causing less pollution. Their concept had a protection box inside the car which will enable safety for all passengers. At the end of their presentation, they received feedback from Swen Corsten, teacher at MKG College in Wegberg, Germany.



The fourth team and last from The Netherlands, decided to have a car fueled by formic acid and they even brought a real model to showcase their idea. To make the car safe, they decided to use a sonar system which will allow the car to find its way better in traffic. The model which they brought to demonstrate how the formic acid works was very interesting and everyone was able to see it on the move in the middle of the meeting room. At the end of their presentation, they received feedback from Daniel Pasmans, teacher at Grotius College in Maastricht.



Team Wegberg was also the one to win the competition and to take the trophy home. It was hard for the judges to decide the winning team since everyone was so well prepared and each team had great ideas.

But in the end, Team Wegberg took the trophy home and became the winner of the day. However, nobody left empty handed. Everyone received a goodie bag at the end of the day and a group entrance ticket to the Louwman Museum in The Hague (The Netherlands), where they will be able to visit the largest private collection of old vehicles in The Netherlands.

