

NEW!

Production for Future at Underhåll 15-18 MARCH 2022

In connection with the Swedish Maintenance Fair 2022 in Gothenburg, the project Production for Future, together with Teknikcollege, Research Institutes for Sweden (RISE) and Chalmers University, invites students from high schools and vocational, polytechnic and college courses to profit from a unique opportunity to learn more about industrial digitalisation. Underhåll 2022 is Europe's largest trade fair for operational safety and maintenance. Every other year, the event gathers 10,000 visitors and 300 exhibitors in Gothenburg.

Production for Future is a continuation of the Smart Factories project. With Production for Future we are creating and disseminating knowledge about sustainability, diversity and technology. Together with about fifty companies, students from college, technical universities, polytechnics and high school have built demos in the form of mini-factories, which will be built and in use every day at the fair. Two mini-factories will be exhibited at Underhåll 2022. In addition, experience-based workshops will be offered in, for example, smart maintenance, collaborative robot applications and 3D printing. Chalmers and RISE will have stands directly supported by their experts on site. To deepen their understanding, students can visit www.edig.nu.

Practical information

- The fair takes place 15-18 March 2022 and is open from Tuesday to Thursday, from 9:00 to 17:00, and on Friday from 9:00 to 14:00. You are free to decide which day and time you come. You can find info about registration below.
- You will find Production for Future in Hall A, Stand A03:52. Feel free to set aside time to see other parts of the fair with open seminars on the Main Stage and 300 exhibitors spread over four different exhibition halls.
- For high school students, the 16-year age limit applies. For registration, the teacher must send in a class list, together with the names of the teachers who will be on the visit. Upon arrival, high school students should gather at the Swedish Exhibition & Congress Centre's main entrance at Korsvägen, where the teacher will register the class at the information desk and receive visitor badges. Teachers must register as business visitors on the Underhåll website.
- Mature vocational students and students from polytechnics and technical universities should register via the link: <https://underhall.se/hem/entrebiljetttopettider/>. Print out your visitor badge and bring it with you.

Registration and questions

Contact Ann-Sofi Hermansson at Ann-Sofi.Hermansson@svenskamassan.se, tel. 031-708 81 28.

Note! The deadline for applications is 1 March 2022.

Teacher's guide

When you come to Underhåll 2022, you can decide for yourself whether you want to start at the Production for Futures stand or by visiting the exhibition. If there are many visitors at the Production for Futures stand in the morning, it is better to take in the exhibition first and agree with the class a time to gather in the Production for Futures stand after lunch.

The exhibition that you will experience there consists of two demos. First, a collaborative application with a robot where man and robot work together to assemble a product, and second, an application that shows the possibilities offered by flexible production. In connection with Production for Future, Chalmers University and RISE also have stands where they will show what they do in production research.

To make the most of your visit, suggestions are offered below for activities that you can do with the students before, during and after the event. Feel free to link the visit to goals in any course that the students are following, for example Robot, Production Equipment, Mechatronics, Production Knowledge, People in Industry or Maintenance.

Before

- Explain the purpose of the visit.
- Show the film <https://youtu.be/V-ZKK7sXIPM>. It puts your visit in a broader context and explains why industrial production is so important for Sweden. Production 2030 is a strategic innovation programme for sustainable production in Sweden and it supports our work in spreading knowledge about industrial digitalisation.
- Explain to the students that they are also important for Sweden's future. They are the ones who will work in our industrial and technology companies, and if we are to keep production in Sweden, we must have skilled employees in these companies. To be competitive in a global market, we must also use the latest technology.
- Show the film about Production for Future: https://youtu.be/2NE89_rofzw
- Read more about the project: <https://www.productionforfuture.com/>.
- Please share the Underhåll website and talk about the companies that are exhibiting at the fair. <https://underhall.se/> There is also a film about Underhåll 2022.
- Encourage the class to come up with questions that they can ask during the trade fair visit.

During

- Support the students in their learning by encouraging them and showing them what they can see during the visit.
- For example, encourage them to get involved and ask questions, walk around the fair, talk to companies and make contacts.

After

- Get your students to report back on their experiences at the fair and the answers they received to their questions.
- Discuss with the class what was the most fun part of the visit. What did they learn?
- Ask them what they think about the future. What will it be like to work in industry in the future? Did they see anything during the visit that they would like to work on?
- Use the knowledge platform www.edig.nu if you would like to immerse the class in a particular area.