

Joint workshop 2

In this workshop, production and product groups will meet again to update/detail the reflections of Joint Workshop 1 and propose solutions for the company based on circular strategies.

Active participation is mandatory in this activity!

The learning objectives for this assignment are the following:

- *L04: Interpret, describe and evaluate Production and Product Service Systems*
- *L05: Demonstrate how existing production systems or products can be designed, developed and provided as Production or Product Service Systems*
- *L06: Differentiate, select and develop actions to improve production systems or products during the whole life-cycle.*

Organization

1. We will all start in the main session at 09.00. A short introduction to the workshop will be made. Here is the Zoom link: <https://chalmers.zoom.us/j/67452330362>
2. Students will be assigned to four different breakout rooms, as follows:

Room	Facilitator	Students
Breakout room 1	Adriana Torbjörn Massimo	Product 1 (Adam Andersson, Hanna Svensson), Production 1 (Koiar Ahmad, David Ek, Stefan Punkel, Tim Dierselhuis, Rami Dukhan) + Production 2 (Lejla Erdal, Gustaf Malmsjö, William Ripgårdén, Oskar Vertetics, Joel Nilsson)
Breakout room 2		Product 1 (Tarakeshwar Amudala Purushothaman, Rubija Rekanovic, Nils Hildor), Production 3 (Sherzot Azimov, Colin Raoul, Prabin Dhakal, Fredrik Rapphed, Robin Ferm), Production 4 (Rahul Jagadeeswar, Jaggdish Ramalingam Pillai, Martyna Krajewski, Praveen Pacha)
Breakout room 3		Product 2 (Ran An, Fredrik Byström) + Production 5 (Emelie Johansson, Lisa Möller, Zainab Nouri, Isabella Sten, Viktoria Wikmark), Production 6 (Tarek Al Shafie, John Sandström, Emir Bekric, Matilda Wollter Bergman, Mattias Forsberg)
Breakout room 4		Product 2 (Rafid Kadhim, Puranjay Mugur, Theodor Wingårdh), Production 7 (Carl Björstig, Carl-Johan Jäberg, Cornelia Nilsson, João Vasco Sabino Pinto, Nils Lundén)

3. For each breakout room, we create a board link in Miro. Make sure to access the right one for your session, once you entered the breakout room. You DON'T need to sign up for Miro. You can use it as a guest/visitor.

Obs: For the first half of the session, the groups will revisit the board created in WS1, and update it. To do so, this time you can focus on the design changes proposed by product teams, and the evaluation of production teams.

Room	Board link (first half of the session)
Breakout room 1	https://miro.com/app/board/o9J_lWpFl34=/
Breakout room 2	https://miro.com/app/board/o9J_lVpU_XY=/
Breakout room 3	https://miro.com/app/board/o9J_lVpU_fg=/
Breakout room 4	https://miro.com/app/board/o9J_lVpQYgg=/

Obs: For the second half of the session, the groups will work with a NEW board.

Room	Board link (second half of the session)
Breakout room 1	https://miro.com/app/board/o9J_lT4nUsE=/
Breakout room 2	https://miro.com/app/board/o9J_lT4nUxE=/
Breakout room 3	https://miro.com/app/board/o9J_lT53rU4=/
Breakout room 4	https://miro.com/app/board/o9J_lT5b5PA=/

4. Miro is a visual collaboration platform for teamwork. You can see in real-time what other members of the team are doing. If you want to try out Miro before the workshop, check miro.com.
5. What you have created in Miro is automatically saved. However, make sure to get a screenshot of your final board, so you can use it in your project.

Agenda

	Activity	Where
09.00 – 09.05	Introduction	Main room - Massimo
09.15-09.20	Break	Individual breakout rooms
09.20-09.50	Update of first workshop	
09.50-10.00	Second introduction (main room)	Main room - Massimo
10.00-10.10	Break	Individual breakout rooms
10.10-10.35	Remanufacture	
10.35-11.00	Recycle	

09.20 – 09.50 Update of workshop 1 (First half of the workshop)

You will start the session by going back to the results of workshop 1. Rediscuss the goals, interdependencies, trade-offs and solutions based on the new activities and learnings that you acquired in those two weeks. You can focus now on the design changes proposed by product groups and their impacts on the production system.

Room	Board link (first half of the session)
Breakout room 1	https://miro.com/app/board/o9J_lWpFl34=/
Breakout room 2	https://miro.com/app/board/o9J_lVpU_XY=/
Breakout room 3	https://miro.com/app/board/o9J_lVpU_fg=/
Breakout room 4	https://miro.com/app/board/o9J_lVpQYgg=/

10.10 – 11.00 Circular strategies (Second half of the workshop)

Now you will focus on how the company can become more circular. To do so, think about strategies to remanufacture and recycle the product. How might this be possible for the product? How can we make it happen? What would be needed or standing in the way? (Think about product and production implications).

Think out of the box and be creative with your solutions. :)

Room	Board link (second half of the session)
Breakout room 1	https://miro.com/app/board/o9J_lT4nUsE=
Breakout room 2	https://miro.com/app/board/o9J_lT4nUxE=
Breakout room 3	https://miro.com/app/board/o9J_lT53rU4=
Breakout room 4	https://miro.com/app/board/o9J_lT5b5PA=