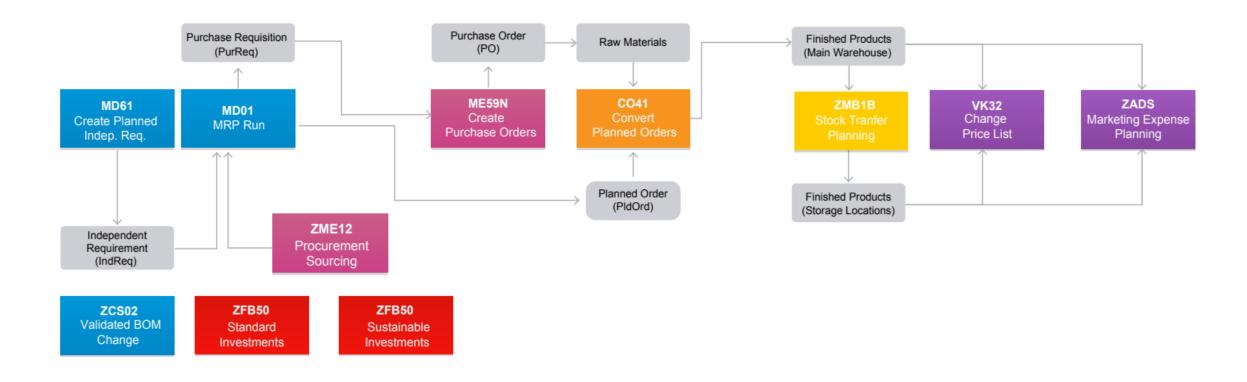
Game Scenario

Game Layout







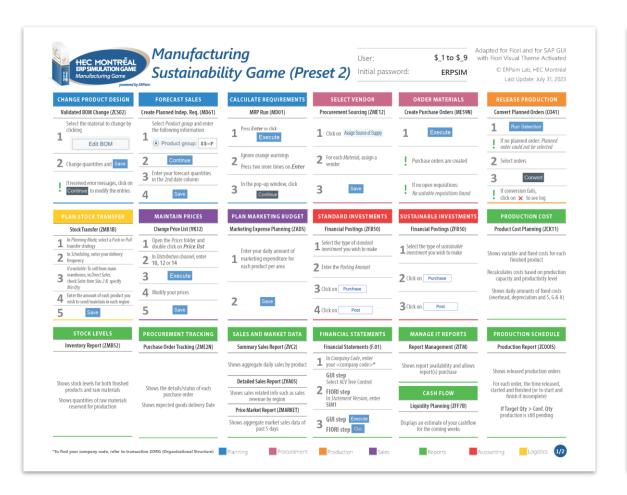


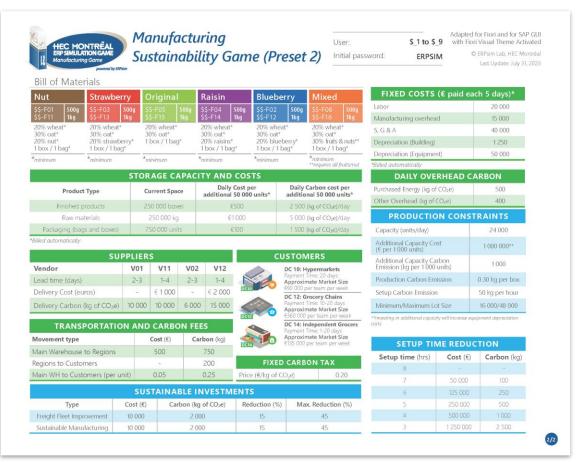






Job Aid (Manufacturing Sustainability Preset 2)

















Competition Rules

- Teams will play 4 Rounds of the ERPsim Manufacturing Sustainability (Preset 2+) scenario.
- Teams are **only allowed** to perform **transactions** described on the **Job Aid**.
- Teams must finish with a debt less than the initial one (8 Million EUR).
- Investing in capacity increase and setup time reduction is irreversible.
- Coaches can join their team's breakout rooms, but they will be asked to come back to the main room when the simulation is running. Coaches can login, but they are not allowed to input transactions.
- Teams have **access** to the **OData** service.
- Teams must always behave ethically and responsibly.
- Teams will be ranked based on their **company valuation**.











Rounds Evolution

Round 1

- No carbon tax
- Sales from the main warehouse only
- Standard investments allowed

Round 2

- Carbon tax now implemented
- Suppliers V11 and V12 now available
- Sustainable investments allowed
- ZITM enabled

Round 3

- Increased carbon tax
- Sales from regional warehouses now available
- Random disruption

Round 4

- Increased carbon tax
- Random disruption













Random Disruptions

Event	Name	Context	Scope
1	Cold Spell	The cold spell increases the carbon emission per unit of raw material purchased, as suppliers must use energy-intensive protection measures to protect the fruits/nuts/cereals from the cold. However, your company requires less energy to stock them in a cool environment.	All suppliers, 2 random raw materials
2	Heat Wave	The heat wave decreases the carbon per unit of raw material purchased, as suppliers must use less energy-intensive protection measures to protect the fruits/nuts/cereals from the cold. However, your company requires more energy to stock them in a cool environment.	All suppliers, 2 random raw materials
3	Disruption in Supply Chain (Vendors)	Disruptions in your supplier's supply chain required them to use less-optimal sourcing and routing. Therefore, all products purchased from this supplier will be generating more carbon emissions.	Random suppliers, All products
4	New Legislation, Renewable Energy Adoption	New legislations in Germany increases drastically the carbon tax while reducing the carbon footprint of purchasing energy as more energy is now generated by renewable sources.	-
5	Waste Heat Recovery System	Newly installed waste heat recovery system on your machineries allow your company to reuse heat from your production process, thus reducing the amount of energy purchased. However, the more complex machineries require more care when cleaning up between production batches.	-
6	Main Warehouse Relocation	A recent relocation of your main warehouse increases the distance between your main hub and two regions and Germany while reducing the distance with the third region. The distance difference will be impacting the carbon emissions generated by deliveries from the main warehouse to the regions and by sales delivered directly from the main warehouse.	Random regions













