



**TECNOLOGICO
DE MONTERREY®**

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TECNOLOGICO
DE MONTERREY®

A!

Aalto University
Design Factory

Proyecto Integrador 1
Aaltonaut program

Sustainable Product Design





Session 01

Introduction

Teams



Configuration:

- 1 Team leader (5 extra points)
- 5 team members
- 7 teams in total

Team leaders:

Send CV to azael.capetillo@itesm.mx

07 August – 13 August

Teams



Session 13 August:

- Team leaders Pitch
- Team interviews and assembly

Next steps



Session 13 August:

- Introduction to Aalto platform

Course format:

- Lecture sessions every two weeks.
- Project revisions every two weeks.

i.e. one week for lectures of sustainability, following week for Project revision.

Course scope



Sustainable Product Design is an interdisciplinary and international course on sustainable product development.

It is organized by **Aaltonaut-program** of **Aalto University** together with **Innovation GYM** of **TEC de Monterrey**. The course focuses in the sustainability topics which are important in product development process:

- eco-design,
- material efficiency,
- product life cycle and
- user approach.

Course project



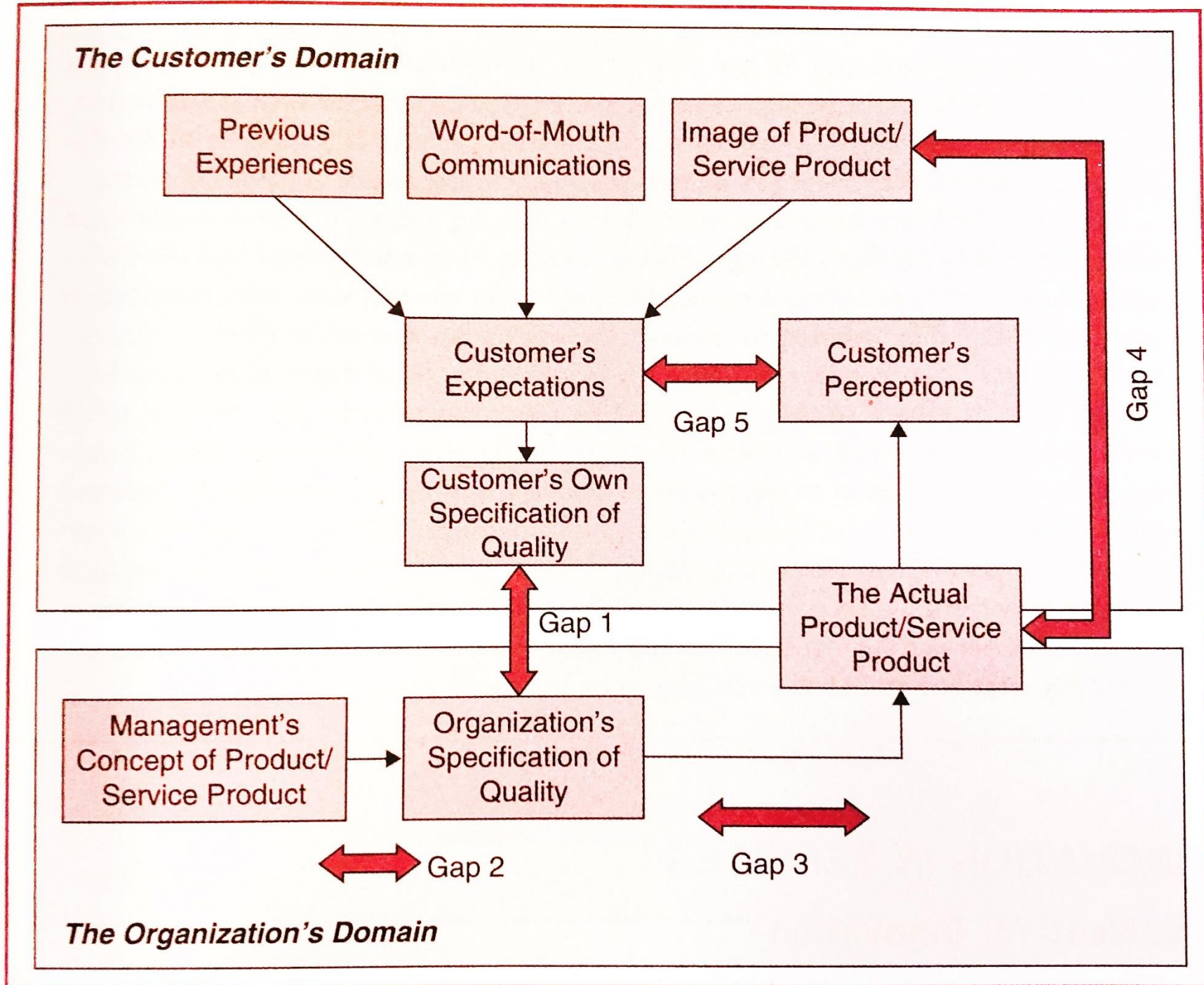
Student teams will develop green alternative for products of a company **(BigCo)**.

Due to time pressure, the teams will make collaboration with a nominated team from Aalto/TEC. During the process the teams will study the product sustainability improvement from different approaches:

Eco-design guidance, Material choices and efficiency, Product life cycle impacts and User centred approach.

The final outcome is the market launch of a new, more sustainable product.

**What are your
expectations?**



How all started



Sustainable Development

Sustainable development is a development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

1987, Brundtland. Our common Future: The world Commission on Environment and development.

Triple bottom line (3 P's)

- **People**
- **Planet**
- **Profit**

People: relates to the social responsibility of businesses, including the communities and workers who have a stake on the company's activities. Social responsibility includes for example, a compromise to reduce poverty, provide good working conditions, and contribute to community activities.

Planet: refers to the relation of the company and its products with the environment. The compromise is to increase or maintain the productivity while reducing or maintaining the environmental burden.

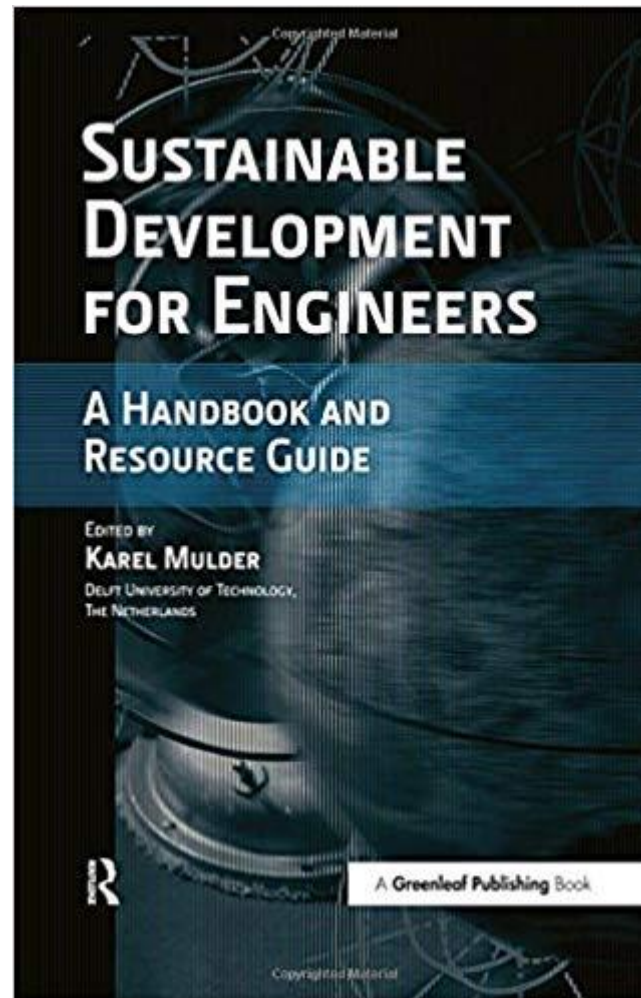
Profit: relies on the prosperity of the company, its workers and society. If the company is financially sustainable, it will be able to continue helping the planet and the society.

Homework



Complete readings on Eco Design:
Available on Blackboard

Recommended lectures





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