Specify requirements

Project task n°1

Research, for your own technical project, any patent that can exist. You can use:

Google Patents	Institut National de la Propriété Industrielle (INPI)	World Intellectual Property Organisation (WIPO)
http://www.google.com/patents	http://www.inpi.fr/	http://www.wipo.int/pctdb/en/search-adv.jsp

Answer these questions to help you understand products that fill similar needs to the need you identified:

- What products fill a similar need?
- What are the strengths and weaknesses of products that fill a similar need?
- What are the key, must-have features of products that fill a similar need?
- Why did the engineers that built these products design them the way they did?
- How can you measure your design's improvement over existing designs?

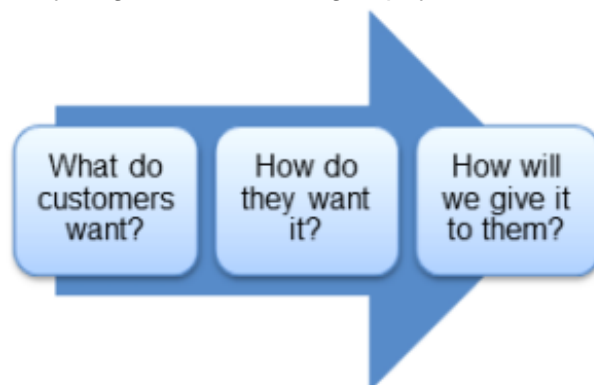## Project task n°2

Describe the target user for your project

Possible questions (you can think of others)
    Who need _____ ?
    Who wants _____ ?
    Who is likely to buy _____?
    How much would my target user be willing to pay for a _____ ?

Project task n°3

Design brief

The design brief is a document that defines the product design specifications.
For your project, define the key features of the product you have to design.

a)	Function Where will the product be used? What will it be used for?
b)	Performance How well will it have to perform?
c)	Proposed market Who might use the product? Is there competition with a similar product? Which customers are likely to use this product?
d)	Quantity How many will be needed?
e)	Style What will the product look like? How will it appeal to people?
f)	Quality What level of quality is needed in relation to its likely use? Does the client have special requirements? Are there national standards to be met?
g)	Cost What is the final cost likely to be?
h)	Timescale When does the client wish the project to be finished? When should the product be ready for sale?

List the main problems which are emerging from your analysis.
List additional matters for consideration.

Slide Show

Send a slide show of your results by e-mail

Explain why it is important to create the product you have to design
Don't forget to talk about the environmental aspects of your project