

THE PROTOTYPE IN THE DESIGN PRODUCT

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The design process is a process dynamic and complex. The product is made step by step. In order to make the product, the designers use the prototypes to propose, to testing and to develop them theories and them solutions.

The objective of our work is to study all kinds of prototypes during the design process, table. 1, in order to understand how is made, how is used, why is necessary to use a kind of prototype in given stage of the design process.


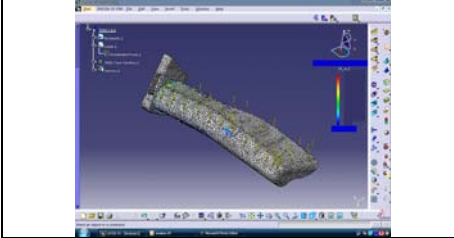

Prototype	Time (mn)	Fidelity	Stage of design process	Scale modelling	Role
	100	High	Embodiment design	Full-scale	Visual Prototype
	142	High	Embodiment design	Full-scale	Functional Prototype
	285	high	Artefact realisation	Full-scale	Functional Prototype

Table. 1. An extract of the synoptic with the type of prototype

The results of this study could be used to develop engineering design models or to develop new design methods.

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