

ELECTRONIC DESIGN PROJECT PLAN

Depending on the type of projects, there could be different phases of a project management for a given project:

RFQ PHASE

What is an RFQ phase?

This phase is very important as it is when the price of the product to be designed is calculated. This implies the coordination of Engineering, Finance, RRHH, Cost Estimation teams, purchasing, and Quality teams. System engineers gather and interpret customer requirements to build a system-level design.

This system-level design must be used by design engineers (mechanical, electronics, SW...) to provide a preliminary design (EBOM) that must be quoted. Cost estimation teams will be able to provide a Cost with the help of Purchasing, Industrial engineering, Finance, and Quality teams. Normally, all this needs to be done in a very short period. Any mistake during this phase will result in cost calculation (risk of not being awarded the business) or even worse, getting a business that will never be profitable.



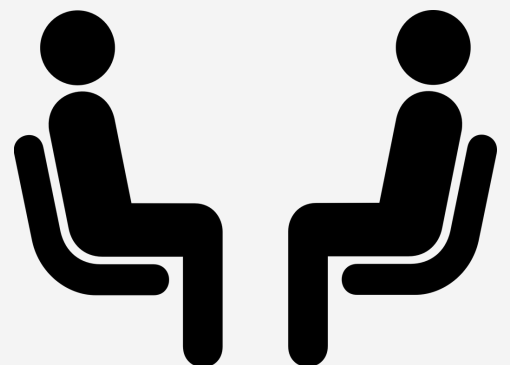
CONCEPT DESIGN PHASE

What is concept design or thinking phase?

Based on the system level architecture, the design engineering team builds the HW (SW and Mechanical design) design, in parallel the quality team develops the test and validation plans to be used during the different stages of the project. Prototypes are built and validated to qualify the design versus the customer specifications.

REALITY PHASE

Once the design is validated against the customer specifications, the manufacturing process design is also completed, the process tooling is frozen, the design is also finished and validated following the test plans provided by Quality teams.



MANUFACTURING

According to all documentation provided at the end of the design phase, design is manufactured at the EMS supplier. Parts are shipped to customer and project manager's tasks are done.

Alter Technology has a long experience in Design Project Management for Space applications as well as Automotive Industry ones involving Concepts to Manufacturing products.

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