

ULMA Embedded Solutions has to face up to the **challenge** of managing complex PCB design processes with a limited team of designers responsible for numerous tasks.

There are questionable points in ULMA Embedded Solutions' hardware design process.

- | Repetition of actions made in previous projects
- | A high error rate caused by the wrong definition or obsolescence of components.
- | Few revisions and lack of traceability of versions
- | Too many interactions before the final design

ULMA Embedded Solutions has made the **decision** to use Altium products to improve its hardware designing process.

- | **Altium Designer** as electronic design tool
- | **Altium Vault** as storage and data management tool

These products have provided considerable **benefits** to ULMA Embedded Solutions' hardware designing team.

- | Friendly interface
- | Automatic manufacturing and BOOM document generation
- | Customer's own repository of validated solutions
- | Version control, increasing efficiency and traceability
- | Designing process time reduction
- | Development cost reduction

ULMA Embedded Solutions was created in 2009 and is part of the ULMA Group, one of the largest business groups in the north of Spain.

Offers specialized consulting, design, development, test, manufacturing management and support services along the whole of the embedded products lifecycle.

Develops custom systems, including HW and SW but also can work on specific parts like FPGAs or drivers.

Being focused on systems for Safety- and Mission-Critical applications, it is used to work in stringent regulated environments.



Altium
Designer

