

AQUIS Aeronautic Quality Improvement System

Today aerospace industries have, as main objective, the improvement and optimization of process management and quality. Often the treatment of the Non Conformities, within an organizational system, is performed separately and not integrated in different enterprise systems. Those companies need to adopt a software tool to effectively meet the international standards and to be compliant to the stringent requirements, in order to be accredited as first-tier suppliers of the most important international players in aviation industry.

AQUIS offers a hosted on-demand cloud-based NC management system solution that allows users to access the same robust, secure automated system being enjoyed by hundreds of regulated companies worldwide without having to invest in more expensive infrastructure.

AQUIS is against the aviation industry pollution, reducing scraps in production and improving flight safety.

AQUIS R&D Project has received the Seal of Excellence EU Horizon 2020 Commission

Commercial Challenge

- ✓ Improves the information quality
- ✓ Paperless: Eliminates the use of paper documents
- ✓ Optimizes and standardizes the processes
- ✓ Improves the monitoring of the processes
- ✓ A non-conformity management system allows a reduction of non-compliance and consequently of the costs, improving the quality
- ✓ Predictive: the analysis of defects can prevent the causes



AQUIS is a Web Application completely based on Microsoft Technology, Framework.Net Foundation 4.0 and Windows SharePoint. This model offers a solution that allows groupware teams to create, organize and share information quickly and easily.

The Nonconformities (NC) handled by the system are:

- ✓ Material NC
- ✓ Process Technology
- ✓ Organizational NC
- ✓ System NC

The business areas involved, both in design and in using the system, are: Quality, Engineering, Programming, Production.

Market Segment

AQUIS responds to international standards and allows companies that adopt it to be in compliance with the stringent requirements in order to be accredited as first-tier suppliers of the most important international players in the aerospace industry and automotive industry.

AQUIS-NCMs complies with the requirements of the following regulations and internal procedures:

- AS/EN 9100 paragraph 8.3 - Control of Nonconforming Product
- AS/EN 9100 paragraph 8.5.2-3 - Corrective Action / Preventive Action
- D-13709-4 (Boeing) - Requirements for Obtaining Materials Review Board Authority
- BM6040.02.03.05 (Bombardier) - MRB delegation of suppliers
- IAY G05C (Alenia) - Quality management system requirements for suppliers