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Cloud Based Quality Management Systems - How the Cloud is Bringing Advanced QMS Systems to the Small and Medium Manufacturer

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Abstract Title: Cloud Based Quality Management Systems – How the Cloud is Bringing Advanced QMS Systems to the Small and Medium Manufacturer

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Cloud Based Quality Management Systems – How the Cloud is Bringing Advanced QMS Systems to the Small and Medium Manufacturer

The purpose of this paper is to demonstrate how advanced QMS systems, once the purview of large manufacturing OEM's, are now accessible to the small and medium manufacturing market through the Cloud.

This is important, as these systems have proven track records of improving visibility in manufacturing and decreasing non-conformance errors that cause expensive defects.

Utilizing effective quality systems to manage manufacturing processes is a large feat. It often includes expensive IT costs for setting up servers, configuring systems, creating internal processes and then managing the enormous amounts of data that are fed into it. Historically, these systems are cost prohibitive for aerospace suppliers and small to medium sized businesses.

Now, with the rise of Cloud Based Software, QMS systems are available at a fraction of the cost. The implementation and use of these systems is different than traditional onsite systems, and do bring with them new challenges.

This paper compares historic onsite server based QMS systems with Cloud Based QMS Systems, offering the benefits and challenges both offer modern manufacturers. Using specific examples of systems in the marketplace, the paper seeks to guide manufacturers in understanding which type of system may be better for their organization, and the challenges of implementing either kind of system.