

WEATHERING THE STORM

OF TECHNOLOGY ADVANCEMENT *IN MEDICAL DEVICE DESIGN*

IT'S GETTING
PRETTY
COMPLEX
IN HERE!

1980



MANUAL DATA

PROCESS

Manual data scribing and early computers. Walk files through the process. Filing cabinets store docs.

MED DEV
EVOLUTION

Separate, distinct products: mechanical, drug, electromechanical.

1990



eQMS

Electronic docs shared via email, fax, and directories. Physical reviews and signatures required. Product development isolated in multiple design tools.

Electromechanical devices with simple software. Manual monitoring and calibration.

2000



CLOUD

Electronic docs in early cloud solutions. Majority of quality systems are doc-centric and disconnected from complete product design stored in relational databases.

Sophisticated, complex products with onboard technology and data-share interfaces.

2010



QUALITY 4.0

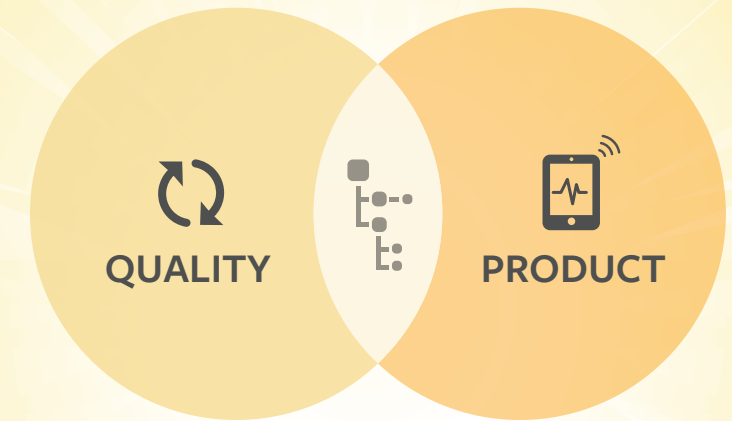
Cloud-native solutions. Connected, digital quality and product processes. Closed-loop design control.

Connected, complex products. Crowd-sourcing data. Artificial intelligence, augmented and virtual reality. Digital therapeutics.

2020

THE SOLUTION:

A PRODUCT-CENTRIC QMS



A product-centric QMS solution enables complete control and traceability throughout the new product development and introduction (NPDI) process with unified quality and product record management.

Get our free eBook to see how Arena's unique product-centric QMS solution drives compliant quality management in context to the complete product record.



1.866.937.1438 | [ArenaSolutions.com](https://www.ArenaSolutions.com)

©2019 Arena Solutions, Inc. All Rights Reserved.