DAA Use Cases for Manufacturing Engineering
About DAA

DAA implements PLM digitalization to improve engineering & manufacturing productivity.

Qualifications

- 91% of clients recommend DAA
- 20+ years working with OEMs & Suppliers
- Siemens PLM and SOLIDWORKS experts
- Siemens Software Value Added Reseller (VAR)
- Clients range from Fortune 50 corporations to small businesses

Approach

- Maintain expertise in all PLM areas
- Deliver best in class consulting
- Provide outstanding ROI

Select Clients

- Dresser-Rand
- Metso
- Northrop Grumman
- Pratt & Whitney
- Dymotek
- General Dynamics Electric Boat
Traditional Manufacturing Work Instruction Process was time intensive and manual
• Installer needed to search large amounts of paper drawings and specifications to complete work

Tablet-based Interactive Work Instructions
• Presented digital drawings and specifications to installer using 1 source which was easy to use
• Instructions and annotations shown with 360 degree and zoom views
• Allowed supervisor to digitally view shop worker’s qualifications for job, assign work, and collect sign-off when complete

Result
• 30%+ reduction of Manufacturing Engineering & Assembly time
Client Challenge

Client’s traditional inspection process took too long and was subject to error
- Inspectors needed to search through large volumes of paper designs and specifications to confirm correct locations of parts
- Inspection process required manual measurements

DAA Solution

Augmented Reality Aided Inspection
- Tablet-based application overlays cyber design over physical product/space to verify correct installation
- Viewer can inspect from multiple angles to improve inspection accuracy
- Inspection documents easily accessible, and allows digital inspection sign-off

Result

- 85% reduction of Inspection time$^1$
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Sources:
1. ROI study calculated by client, 2019
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