DAA Use Case for Analysis and Simulation
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
Automated Test Correlation

Challenge

Testing is expensive and error-prone
- Instrumentation and related details are subject to communication errors
- Test execution deviates from test plans and analyses - making analysis model correlation difficult
- Manual bookkeeping and synchronization results in disconnected analysis revisions, tests, product revisions and reports over time
- Improperly correlated analysis models leads to post-production failures and excessive testing requirements

DAA Solution

Establish Digital Thread connecting Design, Simulation, Test and back
- FE (Finite Element) models created and synchronized with 3D design model
- Analyst selects, locates, orients and specifies instruments directly on FE model
- Test conditions (frequency ranges, loads, g-levels, etc...) specified by the analyst
- Test request and all details automatically placed on the Test Specification & Plan
- Test software automatically programmed and results captured in PLM platform with test results automatically overlaid on analysis results

Result

Reduced Testing Costs via Qualified Analysis Models
- Zero communication errors, fast correlation, fully book-kept and synchronized data