DAA Use Case for Systems Engineering
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

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

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Automated Systems Design and Simulation

Challenge

Client’s System Design and Test process was time consuming and reduced speed to market
- A rail line equipment manufacturer faced long cycle times when designing, configuring, and testing signaling systems – such as lights, switches, sensors, and gates needed to ensure safe train transportation
- Every 20 miles of track contained thousands of scenarios which were manually designed and tested
- Design-test iterations required months to complete

DAA Solution

Automated Systems Simulation application
- DAA created a desktop application which automated generation of rail system scenarios to be tested
- A flexible scripting engine allowed custom tests to be written and run
- The application also used simulation to test 10,000 scenarios in less than 30 minutes
- A report of system failures was automatically generated to Systems Engineers
- Test conditions and simulations are reusable for other projects

Result

Systems Testing time reduced by 75%