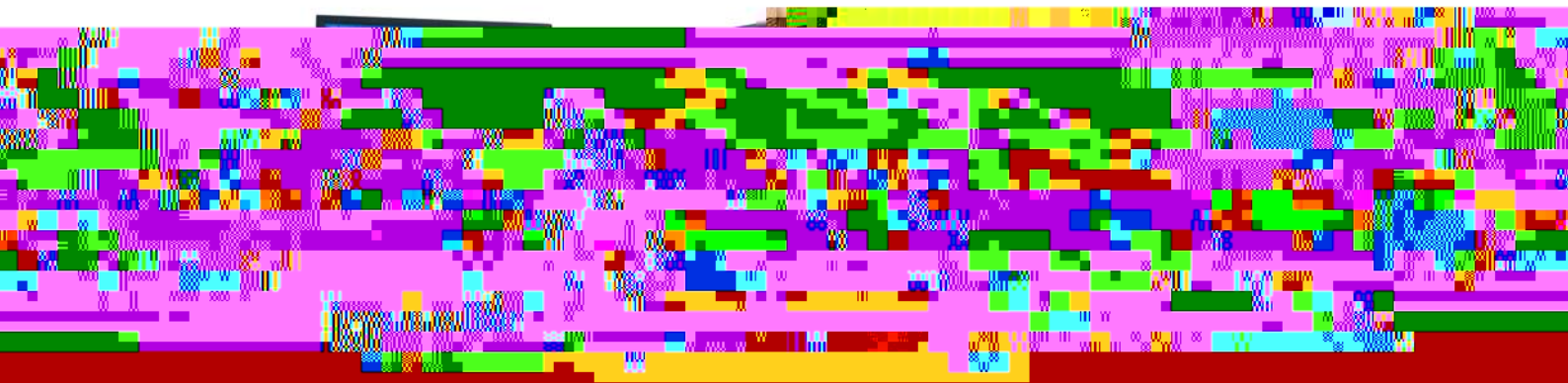


Engineering efficiency soars by up to 30% with DS PLM



Overview

■ Challenge

Triumph Composites wanted to increase engineering productivity by reducing the time required to locate the latest version of files and manage manual, paper-based processes.

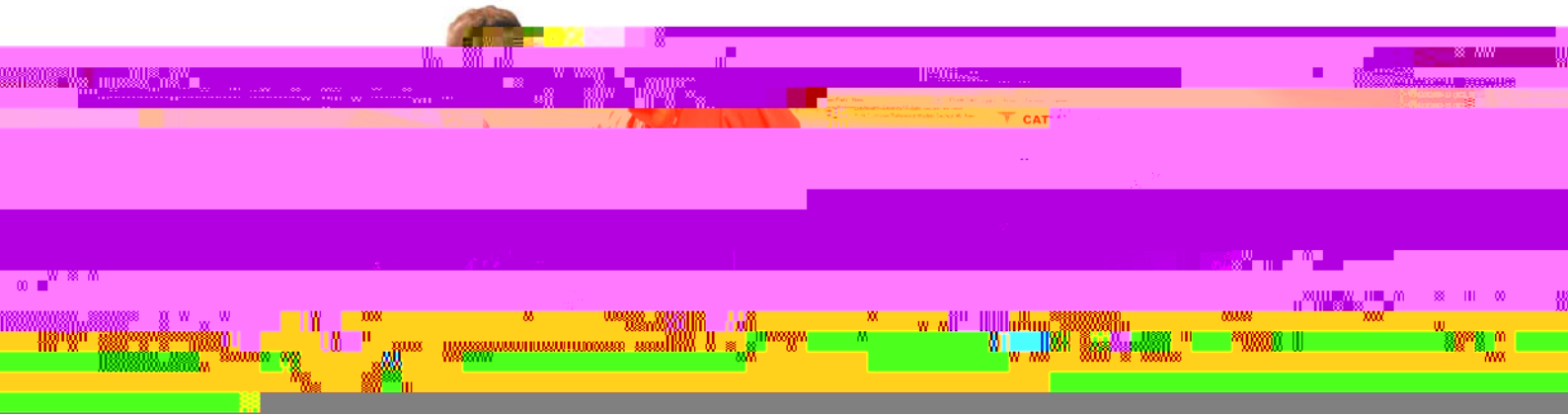
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■ Solution

Triumph Composites used DS PLM, including CATIA, ENOVIA DMU and ENOVIA SmarTeam Design Express with the Aerospace Supply Chain Hub to streamline engineering processes with out-of-the-box functionality that contributes to a low cost of ownership.

■ Benefits

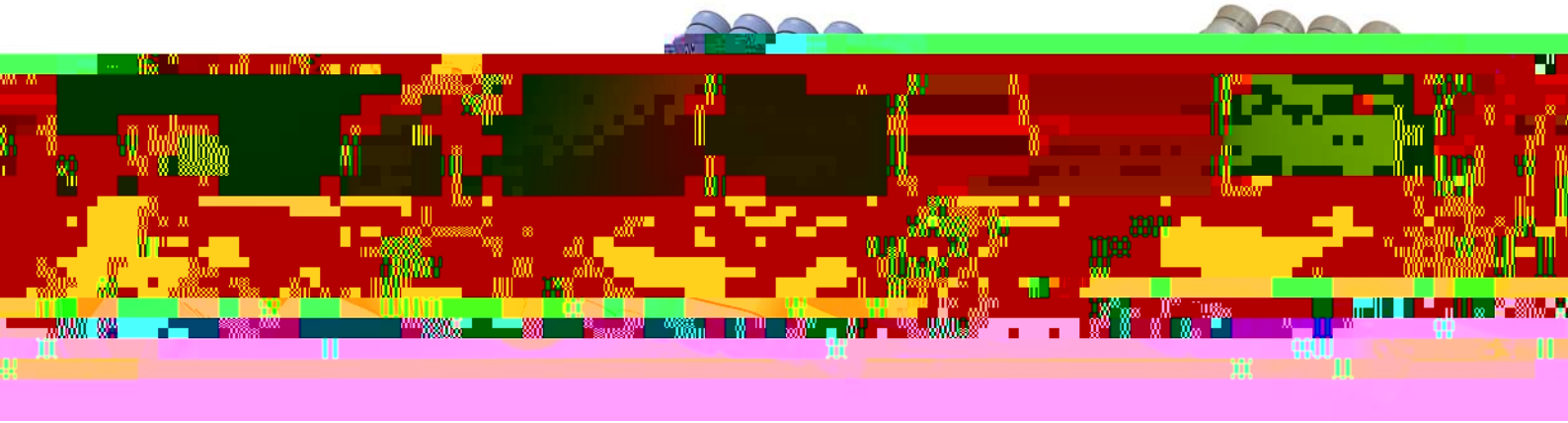
Triumph Group has already increased engineering efficiency by 25-30% and expects to extend these benefits as DS PLM is rolled out to other areas of the organization.



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Ultimately, Triumph Composite Systems chose a Dassault Systèmes Product Lifecycle Management (DS PLM) solution that included CATIA, ENOVIA DMU, ENOVIA SmarTeam Design Express for CATIA and the Aerospace Supply Chain Hub (ASCH). Out-of-the-box functionality and low cost of ownership were key factors in the decision.

“The pre-built work flow in ENOVIA SmarTeam Design Express and its Aerospace Supply Chain Hub (ASCH) solution eliminated the need for us to go through the long and expensive customization process typically



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aerospace assemblies. "Planning, manufacturing, quality assurance, purchasing and even some engineers who don't need design capabilities use DMU to view models and drawings," Mundy said. "Also, when customers make changes to models, we perform a compare operation in DMU to see exactly how they changed."

Triumph Composites is now creating the workflow for its internal release process utilizing ENOVIA SmarTeam Design Express and ASCH. This includes the design review and manufacturing engineering processes up to the point of releasing a part to manufacturing. The ENOVIA SmarTeam workflow will save time after the initial design review by completing the rest of the process through automated workflow, while keeping all of the players informed and involved. For example, everyone will be immediately notified by email when a part is released. This will make it possible to get a jump on ordering long lead-time items, allowing production to begin sooner and decreasing time to market. In the future, Triumph Composites is also planning to utilize ASCH to automate collaborative processes with customers and suppliers.

"The implementation of ENOVIA SmarTeam and ASCH at Triumph Composites has been a major success," VonHagel concluded. "We have already achieved a 25% to 30% increase in engineering efficiency and expect to see that figure increase once

the complete product release workflow goes live. We are also planning to roll out ENOVIA SmarTeam workflow to other areas of our organization, including Quality, Tooling Planning and Purchasing. Due to this success, our corporate team is looking at recommending ENOVIA SmarTeam throughout all of the Triumph companies."

"RAND North America, the Dassault Systèmes business partner, played a crucial role in the success of this project," Von Hagel said. "Our representative works for RAND but he always puts our interests first. He spends a considerable amount of time at our facilities understanding our needs."

Triumph also appreciated that the support RAND delivers is knowledgeable as well as personal. "RAND has a great deal of expertise in Dassault Systèmes software. They understand where we are and where we want to go, and they help us get there at an economical cost. As an example, our RAND rep was the person who originally provided the idea of using ASCH. He has been proven right so many times that we put a lot of trust in his recommendations."

