DASSAULT SYSTEMES

3DEXPERIENCE®

AEROSPACE & DEFENSE

CO-DESIGN TO TARGET

Significantly increase competitive advantage

HOW DO YOU DELIVER PROGRAMS ON-TIME, ON-BUDGET, AND ON-TARGET?

Drive program execution to cost, schedule and specification. With *Co-Design to Target,* companies can avoid millions of dollars in potential contract penalties by meeting product delivery dates. In addition, reducing program complexity in product development allows companies to significantly lower costs—both non-recurring (e.g., shortened design time) and recurring (e.g., fewer parts and simplified manufacturing). Driving program efficiencies provides aerospace and defense companies with a competitive edge.

Manage Programs in Real-Time

Traditionally, issues surface during periodic program management reviews and formal design reviews and audits. Now, using the Co-Design to Target Solution along with the **3D**EXPERIENCE® platform, stakeholders can stay appraised of program status so issues and risks can be addressed before they become a problem. And, with the ability to view program status in real time, Program Managers have an instant view of all key performance indicators (KPIs) with full traceability to deliverables. This allows tighter control of the program all while managing continuous change over the lifespan of the program.

Co-Design to Target integrates all engineering works-in-process with contracts management, program controls, systems engineering, design engineering, configuration management, data management, and subcontracts administration. Managing with this comprehensive and always current view of a program's status assures improved success, profitability and value to the customer.

Take Control of Your Program Execution

- Keep programs on specification, on-budget and on-schedule while improving system performance
- Reach product definition maturity faster
- Ensure smooth manufacturing ramp-up and improved production rates

Achieve Manufacturing Excellence by Design

The Co-Design to Target Industry Solution Experience reduces the complexity of the product development process by integrating "value streams." Consider that hundreds or even thousands of people work on developing the product definition during the detail design phase of a program. And that thousands of specifications cascade to sub-systems and components from top level requirements.

Lean development is achieved and program targets met by providing an efficient way to integrate engineering teams. With Co-Design to Target, these teams work concurrently and collaborate in real-time to converge quicker on a detailed definition of each system and component.

Using a Behavioral Digital Mock-Up allows architects (non-CAD users) to define systems installation and exhaustively validate systems installation architecture early. This saves many late, costly corrective actions that would occur if performed the traditional way (after 3D detailed design).

Finally, with Co-Design to Target, you can realize significant improvement in systems and equipment installation with a requirements-based 3D design that accelerates harness definition and later installation. Manufacturing excellence can be achieved with continuous verification and validation through design and using a Functional Digital Mock-Up for early system and network checks. By transforming the development phase of a program, the Co-Design to Target Industry Solution Experience results in significantly lower costs and on-time delivery.

Reduce Costs and Improve Quality

With Co-Design to Target, aerospace and defense companies can improve program execution to cost, schedule and performance targets. By performing to schedule, companies avoid millions of dollars in potential contract penalties. And, less complexity in product development through integrated value streams means companies reap the benefit of significantly lower costs—both non-recurring (e.g., reduced design time, avoiding issues late in the design cycle) and recurring (e.g., minimizing parts and optimizing manufacturing).

Multi-disciplinary simulations for reaching performance targets, and early and continuous quality checks for accelerating product maturity to specification improves system reliability and overall product performance. With our Co-Design to Target Industry Solution Experience you can transform the development phase of your program and enjoy significantly lower costs.

Our **3D**EXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3D**EXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.

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