



3DEXPERIENCE®

ARCHITECTURE, ENGINEERING AND CONSTRUCTION **OPTIMIZED CONSTRUCTION**

Eliminate waste and increase profits



HOW CAN WE CONVERT THE ESTIMATED 25–30% WASTE IN CONSTRUCTION PROJECTS? SMART COMPANIES CAN IMPROVE PROFIT AND CASHFLOW, AND SMART OWNERS CAN REALIZE SIGNIFICANT SAVINGS

Global construction will grow by 67% from \$7.2 trillion today to \$12 trillion in 2020. The industry is growing. However, the industry wastes more than \$120 billion annually in the United States alone because of out-of-control delays, cost overruns, and other inefficiencies.

Our Optimized Construction **3DEXPERIENCE®** provides a collaboration based project backbone that will enable centralized project and data management, construction simulation for better planning and execution, and the right information to be available to the right people at the right time.

OPTIMIZED CONSTRUCTION SOLUTION EXPERIENCE: FOUR KEY BENEFITS

Visibility maximizes profit

Real time project status will identify tasks which cause lost profit. Additionally, there is a link to procurement which enhances cost control.

Improved cashflow

Better measurement of work breakdown and completion times will result in Earned Value approach. This, coupled with prefabricated delivery, will result in earlier payment.

Single 3D version of the truth

3D visualization results in clear understanding of a complex project through a common language.

Workers at all levels can understand their specific role and how that fits in the grand design.

Minimized waste = higher profit

Achieve Lean and minimize waste with an executable and reasonable plan based on the real state of the project in real time.



- Collaborative, real-time platform designed to improve your work efficiency and productivity through integration of all details into a master project schedule.
- Watch up-to-the-minute progress measurements of all tasks on your dashboard and receive instant status reports with the delivery of every updated document, from design through fabrication to installation.

- Use real-time progress reports and modeling to pinpoint and fix issues before they occur, keeping projects on time and budget.
- Ensure all stakeholders are informed of project changes as they happen, so that the most accurate data is used during every step of the process.
- Insert markups, flag overdue tasks, track missing products and handle scheduling complexities of any project—all through a single solution.

- Easily communicate work sequencing, project mark-ups and other information to all project participants.
- Provide delivery of these components through a variety of media and devices—and with no need for additional training.

- Dramatically reduce the risks and costs associated with critical components by using 4D planning, simulation and schedule validation to select the best project sequencing.
- Keep work moving forward without unexpected delays.

- Reduces schedule and budget overruns through real-time project updates that prevent problems before they happen.
- Keeps expectations aligned through improved communication among all project stakeholders.
- Prevents outdated communications by ensuring consistent information is used and maintaining 4D as a common language.
- Simplifies information access by separating the most meaningful information from the flood of project data.
- Keeps the project on its critical path by dramatically reducing project risks and wasted time.

Dassault Systèmes, the **3DEXPERIENCE®** 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 210,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



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