



# CATIA PLM Express

## CATIA - Composites Design

**Productive process oriented environment dedicated to the design of composite parts from preliminary to engineering detailed design**

### Overview

The CATIA - Composites Design option provides engineers with a collaborative and completely CATIA-integrated environment to rapidly create innovative composite parts for the aerospace, automotive and shipbuilding industries. By enabling designers to work concurrently on the same design and to embed composites manufacturing constraints earlier in the conceptual stage, this option drastically shortens design time.

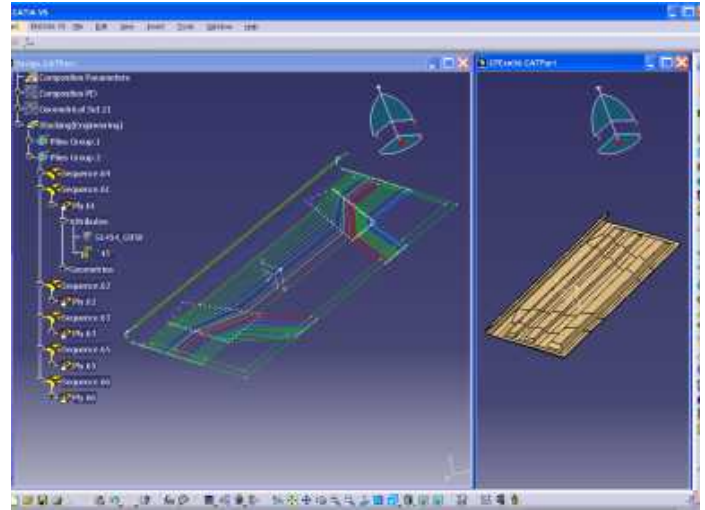
### Benefits

- Fully integrated in the V5 environment
- Shortened part composite part design time period (up to ten times faster)
- Fast plies generation from zones (automatic management of the ply staggering and stacking rules)
- Take into account manufacturing constraints early in the design phase
- True collaborative composites engineering environment enabling designers to work concurrently



## Capabilities

- Easy to use zone (geometry and laminate) and transition zones modeling definition
- Powerful ply modeling tools based on 3D features
- Complex geometrical configuration support (Monolithic and core stiffened panel, stiffeners, stringers)
- Solid generation from zones and plies (exact solid)
- Complete composites inspection tools (core sample and numerical analysis, ply table..)
- Best-in-class fiber simulation tools for early manufacturability assessment



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### About Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 90,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product - SolidWorks for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing and ENOVIA for global collaborative lifecycle management, including ENOVIA VPLM, ENOVIA MatrixOne and ENOVIA SmarTeam. Dassault Systèmes is listed on the Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information, visit <http://www.3ds.com>

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### MAIS INFORMAÇÕES:

Para obter mais informações sobre produtos e soluções PLM, acesse: [www.tecmes.com.br](http://www.tecmes.com.br)  
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