



3DEXPERIENCE®

# CATIA CONNECTED ENGINEERING

Powerful Packages, Ready for the Future



## A WINNING COMBINATION

When effective collaboration intersects with world class engineering, it's a winning combination that empowers the existing CATIA user experience by extending CATIA V5 performance with the addition of new capabilities. V5 users can enjoy the benefits of the **3DEXPERIENCE®** platform on-the-cloud and will appreciate the mobility, collaboration and security it offers.

CATIA Connected Engineering combines the digital continuity of Collaborative 3D Designer on the cloud with the performance of the CATIA Engineering Excellence packages. It provides the opportunity to increase productivity by leveraging the extensive portfolio of capabilities available on the **3DEXPERIENCE** platform. Benefit from an extended set of applications for the creation and management of sophisticated mechanical projects, including part design, sheet metal, tooling, assembly design, functional tolerances and annotations, kinematics and fitting simulation, DMU review, advanced surface design and more.

Collaborative 3D Designer on-the-cloud connects CATIA V5 users to the **3DEXPERIENCE** platform, enabling product designs and documents to be managed and shared directly from CATIA V5. Users can leverage the platform web-based apps to manage, annotate and visualize designs anywhere, anytime and on any device.



## CATIA ENGINEER EXCELLENCE

An entry-level package to perform basic 3D Modeling and assemblies with a unique 2D/3D approach for conceptual design.

## CATIA MECHANICAL ENGINEER EXCELLENCE

A powerful set of applications built to allow the creation and management of projects and parts, with one single full 3D product definition.

## CATIA MECHANICAL AND SHAPE ENGINEER EXCELLENCE

A sophisticated and advanced mechanical & shape design package complementing the product definition & the high quality surface operation process.

## HIGHLIGHTS

This is an opportunity to acquire an extended pack of specialized applications which will allow you to:



### Drastically reduce lead-time

Reduce design time with true concurrent engineering on complex parts and assemblies.



### Up-to-date and complete information, directly in 3D

Associate all the product information in the 3D model, reducing paperwork.



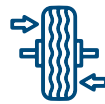
### Reuse and improve existing components

With a rich variety of standard and user-defined templates and components, the engineer is able to design faster than ever and to focus on added-value tasks.



### Improve the design quality of your product

Create high-quality & complex mechanical shapes with a robust feature-based approach. Increase efficiency on tedious or repetitive manual tasks.



## Compensate manufacturing deformation

Achieve real productivity gains by comparing and optimizing nominal shapes with predicted or real shapes, while preserving surface quality.



## Validate your design

Digital prototyping, combined with Digital Mockup verification, allows product development teams to virtually create and analyze a mechanical product in its operating environment.



## Easy collaboration and management of data

Collaborate with all the stakeholders of your project on the Cloud. Manage your native CATIA V5 data on the **3DEXPERIENCE** platform without migrating data. Supplement your V5 capabilities by adding a **3DEXPERIENCE** CATIA Role on top of your existing assets.



## Access your V5 product anywhere, anytime

Build a dashboard for any type of user with the correct data available instantly. Immediate visualization of 3D data increases understanding.



## Secure data with managed lifecycle and controlled access

Perform lifecycle operations including Revision, Release and Lock/Unlock. Manage and protect your Intellectual Property by easily removing company know-how from any CATIA model prior to data exchange with multiple levels of security, depending on the receiver.

## Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

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](http://www.3ds.com).

