

About Us

Conceptia is an ISO 9001-2000 certified India based multi-national engineering and consulting firm whose prime focus is on providing cutting edge technology Solutions and Services for various organizations in the Automotive & Transportation, Aerospace & Defence, Consumer products, Design & Engineering Services, Electronics, Industrial Machinery, Alternate Energy, Mould, Medical, Marine, Oil & Gas, Engineering & Construction, Packaging Industries. Conceptia is the authorized Distributor and Training Centre for Dassault Systems SolidWorks Corporation from the year 2001.

Our Product Sales Division Conceptia KONNECT, focuses on sales of SolidWorks (2D & 3D CAD), SolidWorks Simulation (Finite Element Analysis FEA and CFD), Enterprise PDM(Product Data Management), SoliCAM(For machining),3DVIA, 3DConnexion, NI Lab View & LMS range of products. We are headquartered at Bangalore and our offices and technical support centres are located at Kochi, Mumbai & New Delhi.

SolidWorks

SolidWorks 3D design software can help you design better products faster. When you have an idea for a great product, you'll have the tools to design it in less time, and at lower cost. SolidWorks comes in following bundles...



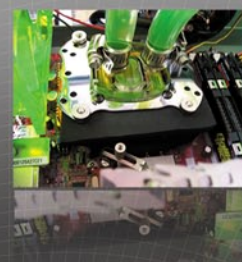
SolidWorks Standard

SolidWorks Standard offers unmatched 2D and 3D design capabilities, performance, and ease-of-use. Perform product design work more quickly and accurately with SolidWorks, the standard in 3D modelling software. SolidWorks offers the most time-saving capabilities of any product design software available.



SolidWorks Professional

SolidWorks Professional is a robust suite of core productivity tools, SolidWorks Professional includes SolidWorks Standard, Various in built libraries, a full range of design communication and CAD productivity tools and SolidWorks Data Management, an easy-to-set-up-and-use product data management (PDM) solution that is uniquely adapted to managing SolidWorks product data for the individual or workgroup.

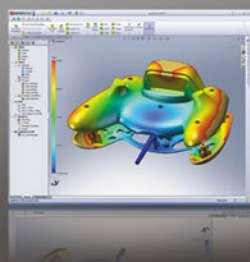


SolidWorks Premium

SolidWorks Premium software integrates a broad range of mechanical CAD, design validation, product data management, design communication, ECAD Integration, and CAD productivity tools in a single, affordable easy to use package.

SolidWorks Simulation

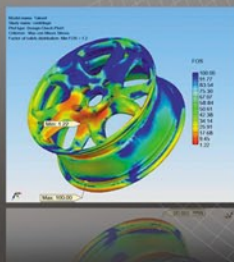
SolidWorks Simulation lets you test products for defects before they're built, helping prevent errors early in the design process. It's powerful enough for trained FEA analysts, yet easy enough for product designers. SolidWorks Simulation can even help you optimize your designs for maximum performance and savings.



SolidWorks Simulation Professional

Take your design validation to the next level with SolidWorks Simulation Professional. Now you can subject your designs to real-world stresses, helping you shorten the prototype cycle and get products to market faster.

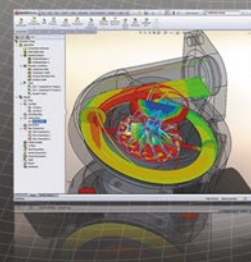
SolidWorks Simulation Professional goes beyond the basic features found in SolidWorks Premium, adding a complete set of analysis and validation tools.



SolidWorks Simulation Premium

SolidWorks® Simulation Premium brings highly-advanced finite element analysis (FEA) functions to designers and engineers at a fraction of high-end FEA software costs, and with none of the complexity.

It adds a final level of sophistication to the capabilities found in SolidWorks Premium and Simulation Professional.

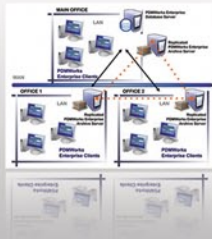
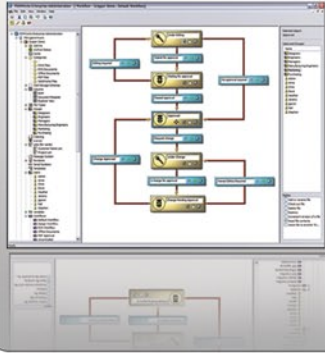


SolidWorks Flow Simulation

SolidWorks® Flow Simulation is the first and easiest fluid-flow simulation and thermal analysis program fully embedded within SolidWorks software. SolidWorks Flow Simulation eliminates the need to modify your design for a different computational fluid dynamics (CFD) application saving considerable time and cost.

With its CFD analysis capabilities, you can simulate liquid and gas flow in real world conditions, run "what if" scenarios, and quickly analyze the effects of fluid flow, heat transfer, and related forces on immersed or surrounding components.

SolidWorks Enterprise PDM



SolidWorks Enterprise PDM (EPDM) provides an easy way for designers to collaborate on product designs without worrying about version control or data loss. It stores CAD models and supporting documents—anything from emails to images—in an indexed central repository that tracks versions and automates workflows to eliminate wasteful repetition.

EPDM is designed for organizations that

- Collaborate across multiple offices, multiple time zones and even multiple continents
- Reuse standard parts data cost-efficiently, rather than recreating them from scratch
- Ensure your team has immediate access to the latest product data available
- Save time and simplify searching through files and designs for the right data
- Streamline workflows, improve performance and cut costs enterprise-wide

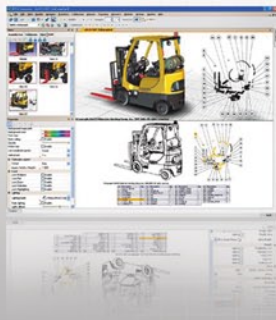
SolidWorks Sustainability



SolidWorks Sustainability is a tool that can help you stay profitable as consumers increasingly choose sustainably designed products. Using LCA information early in your design process will save your company time and money by avoiding surprising sustainability assessments and costly redesigns later. As a matter of global corporate citizenship, sustainable design means making decisions to ensure future environmental

SolidWorks Sustainability measures the environmental impact over the life cycle of your products in terms of four factors

- Carbon Footprint
- Air Acidification
- Water Eutrophication
- Total Energy Consumed



3DVIA Composer

3DVIA Composer is the core product in the 3DVIA Composer solution. It is a desktop application for the creation of product documentation contents directly from 3D digital product data.

3DVIA Composer is designed for non-CAD end users and does not require CAD knowledge or training. Exploded views can be created and annotated with labels and balloons per existing company standards. In addition, 3DVIA Composer permits the creation of styles and intelligent views which can be applied to any content to ensure visual consistency.

Producing 2D line art is quick and easy with 3DVIA Composer's built-in technical illustration capabilities. The output includes 3D animations as well as highresolution images such as JPEG, SVG, and CGM.



Space Pilot Pro



Space Pilot



Space Navigator



Space Navigator
for Notebook



Are your designs the same but different ?
Automate !



DriveWorks

DriveWorks lets you capture and re-use knowledge and rules to specify, design and engineer-to-order. DriveWorks let you automate repetitive tasks and generate design and manufacturing output quickly and accurately. Create custom products in minutes... not days.

DriveWorks is a design automation tool tightly integrated with SolidWorks, which does not require programming knowledge. DriveWorks Xpress is a smaller version of the tool provided with every seat of SolidWorks. DriveWorks uses a base part or assembly as reference and generates new parts, assemblies and drawings based on pre defined rules by simply filling out certain forms.

Assemblies modeled in SolidWorks can be captured for its parts and configurations, features and dimensions which can be later controlled by defining a set of rules.

Drawings can also be generated by capturing the references and the file format can also be controlled. Other related documents such as sales quote, memos can also be generated based on standard templates of MS word, Excel, HTML etc.

Since forms created for this application are simple to understand not only the designers but also a sales team or a marketing team can use the web linked module of the tool to showcase your products to the customers thus efficiently reducing the whole sales cycle.



InspectionXpert

InspectionXpert First-Article enables you to quickly generate quality inspection forms and ballooned drawings from your 2D drawings. Many 2D formats are supported including Autocad, Autodesk Inventor, Cadkey, ME10, PDF, SolidEdge, SolidWorks, TIFF, Visio and more.

InspectionXpert allows you to work natively with many 2D formats thereby eliminating the need to have the CAD systems installed on the same machine. It enables you to capture inspection characteristics directly from your 2D drawing.

All inspection characteristics from the drawing are uniquely numbered and added both to the rows on the inspection form and to balloons on the drawing.

It creates a new PDF copy of your drawing which includes balloons which uniquely identify your inspection characteristics.

Education at ConceptiaKONNECT



Catering to the needs of the Engineering institutes in India and World over Dassault Systemes SolidWorks Corporation provides SolidWorks Educational Software which has capabilities for 2D Drafting, 3D Modeling, Assembly, Basic and Advanced Level Analysis & Simulation and SolidCAM Ltd provides the software SolidCAM for 2 Axis, 2.5 Axis, 3 Axis and 4 & 5 Axis machining software. Engineering professionals, students, and educators worldwide favor SolidWorks CAD software. SolidWorks offers the best tools for designing products of all kinds—from robots to solar-powered vehicles. By learning SolidWorks, students are better prepared to make a difference in a world where future success depends on innovative ideas and technology.

Design enthusiasts can benefit from the training programs conducted for students as well as for the tutors to be knowledgeable in CAD/CAM/CAE software's. These programs are tailor made for addressing the syllabus requirements as set by All India Council for Technical Education (AICTE). Apart from this deserving students are also given professional certification in SolidWorks Software in CAD and CAE. We also conduct additional training & certification programs for Sheetmetal, Weldments, Analysis, and Data management through our support centres all over India.

Product Matrix-SolidWorks Mechanical CAD Capabilities			
Features	SolidWorks Standard	SolidWorks Professional	SolidWorks Premium
SolidWorks Intelligent Feature Technology (SWIFT)	✓	✓	✓
Faster Getting Started-Integrated Tutorials	✓	✓	✓
Heads-up User Interface	✓	✓	✓
Working with DWG-smoothly convert existing DWG files	✓	✓	✓
Part Modeling	✓	✓	✓
Advanced Surfacing-Freeform feature-Improve aesthetics, ergonomics	✓	✓	✓
Advanced Sheetmetal Design Tools	✓	✓	✓
Weldment Design-Auto generate weldments with Cut list from layouts	✓	✓	✓
Mold Design Tools-Specialized mold Design features- parting lines and surfaces, and core/cavity splitting	✓	✓	✓
Assembly Modeling	✓	✓	✓
Assembly Motion-Simulate Physical motion-check collisions	✓	✓	✓
Large Assembly Mgt	✓	✓	✓
2D Drawing Creation - fully associative to 3D model	✓	✓	✓
Support data translation from other CAD & Non CAD software's	✓	✓	✓
Automated Bill of Materials	✓	✓	✓
Part Validation-Simulation Express	✓	✓	✓
Design Automation of Repetitive Tasks-DriveWorksXpress		✓	✓
Design Collaboration-eDrawings with Review & markup		✓	✓
Feature Recognition-Collaborate and use other CAD Systems easily		✓	✓
Standard Hardware Libraries-Prebuilt SolidWorks parts		✓	✓
Photorealistic Rendering		✓	✓
Leverage Scanned Data-import design concepts or sketches			✓
Routed Systems-Pipes, Electrical cables/harnesses			✓
ECAD to MCAD Integration-Bidirectional ECAD translator & PCBs			✓
Data Management Capabilities		✓	✓
Revision Control		✓	✓
Tolerance Stackup Validation			✓
Fully-Integrated Mechanism Simulation & Assembly Simulation			✓
Simulate Welded Structures			✓

Product Matrix-SolidWorks Simulation CAE Capabilities			
Features	SolidWorks Simulation Professional	SolidWorks Simulation Premium	SolidWorks Flow Simulation
Product Failure Prediction -Predict structural failure thresholds due to yielding, overheating, buckling, and fatigue. Evaluate failure of both common materials as well as more advanced materials such as plastics, elastomers, and layered composites.	✓	✓	
Compare and Optimize Design Alternatives	✓	✓	
Simulate Natural Frequencies -Predict and control your products natural modes of vibration to avoid potentially damaging resonant frequencies.	✓	✓	
Predict Buckling or Collapses -Virtually apply forces, pressure, gravity, and centrifugal forces to your designs to determine maximum loads before buckling.	✓	✓	
Simulate Heating or Cooling -Thermal analysis capabilities enable you to easily study heat effects on your designs. Simulate thermal boundary conditions, fluid flow, thermal-structural interactions, and radiation effects in high-temperature applications.	✓	✓	
Simulate Drop Test or Prod Failure -Save time and cost by reducing the number of physical tests.Integrated capabilities for detailed drop-test simulation. Define drop height, surface, and orientation. Perform realistic collision simulation between parts or assemblies. Visualize resulting contact, deflection, and even part-part separation.	✓	✓	
Simulate Repeat Loading -Simulate, evaluate, and improve a part or assembly that must withstand the rigors of daily operation. Evaluate the differences in your system's performance to varying speeds or frequencies, and estimate the design life of your entire product.	✓	✓	
Simulate Forced Vibrations -Predict and control vibrations or dynamic responses in your products with a choice of integrated design studies, including Transient study, Harmonic Response study, and Random Response study.		✓	
Non-Linear Dynamics -Thoroughly test and validate your designs with a broad range of advanced capabilities, including: nonlinear displacement analysis, nonlinear buckling analysis and snap-through events, analysis of nonlinear materials, design optimization of hyperelastic materials, onset-of-yield and post-yield elastoplastic analysis, creep effects and temperature-related material changes, dynamic response analysis of parts and assemblies.		✓	
Simulate Plastic Parts -Capture all the behavior of your plastic parts without special training or add-ins. Choose the best materials and material models for your design challenges. Simulate your plastic components in all possible tests and environments, and optimize parts for volume and cost.		✓	
Fluid Flow Simulation -Study the flow of liquids (including non-Newtonian liquids such as toothpaste, slurry, and blood) and gasses inside and around your designs. Examine the performance of electronic component cooling systems, valves and regulators, drug delivery systems, turbo machinery, and moving objects.			✓



Conceptia - Product Sales Division

118, 3rd cross, 5th Block, 3rd Phase, Banashankari 3rd Stage, Bangalore-560 085, India

Tel +91-80-26799382, Fax +91-80-26798959

info@ckonnect.in www.ckonnect.in

Bangalore - Mumbai - New Delhi - Kochi