

Automotive

# New Technology CAD/CAM

the customer's choice for design & engineering solutions

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Our mission is to enable engineers and designers, and their companies, to be successful by providing them with the products and services they need

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Richard Cave-Penney  
Managing Director  
NT CADCAM Ltd



# Our story so far

Launched in 1996, Richard Cave-Penney original and existing Managing Director of NTCADCAM, alongside SolidWorks Corporation, together introduced SolidWorks to the UK market.

Industry experience and product knowledge remain a key element in distinguishing us from our competitors. We continue to improve our product offerings by researching into the current market place so you don't have to. NT CAD/CAM has become the leading innovator in the CAD/CAM industry with over 5,000 commercial licenses installed at over 2,000 customer sites.

Offering high levels of expertise internally in different disciplines enables us to offer a fully supported product portfolio without the use of a third party. This makes us not only unique within the SolidWorks channel but also within the general CAD community, giving our customers the confidence and assurance that we not only will deal with their support call promptly but we have the knowledge to understand the issues that arise when using several software applications simultaneously.

With several satellite offices across the UK and local account managers on site, we can offer the comfort of close support and training whilst maintaining the advantages of a large company.

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“SolidWorks 3D design has been vital in helping speed up the design and pattern-making process of the complicated engine castings. Having worked with NT CAD/CAM you know you always have their support to take on tasks and complete them quickly and efficiently. Their staff are readily available, and will work with you, often through real time web-link, to ensure you really are on the road to a win”.

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Tom Sharp, Engine Developments Ltd

# How We Work

At NT CAD/CAM we are committed to providing genuine design and engineering solutions which help you design better products. From the initial implementation stage through to resolving any technical issues, you can be sure that NT CAD/CAM will provide unique and realistic solutions that meets your needs.



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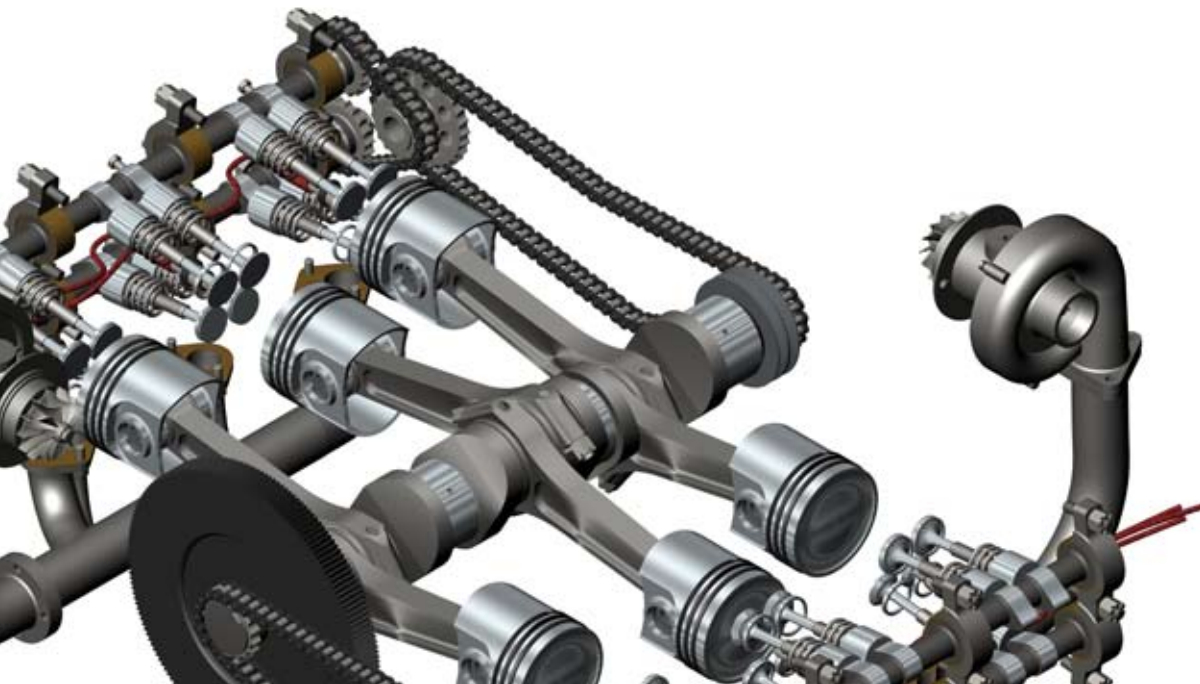
In fact, the value of NT CAD/CAM and SolidWorks has proved itself so much to Radical Motorsport that Radical have now invested in their own system from NT CAD/CAM, which is already delivering significant benefits.

Steve Prentice of SPD designer behind the Radical V8

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# SolidWorks

SolidWorks delivers computer-aided design (CAD) products that help designers cut development time, increase accuracy, weave more creativity into their designs, and bring better products to market faster than ever before. The software, which allows engineers to work in 3D or 2D, helps companies become more successful by designing more innovative products for their customers. The company offers two 3D CAD application suites, along with a variety of tools for analysis, product data management (PDM), design communication and collaboration, CAD productivity and speciality design.



# A Product For Every Occasion

## SolidWorks

SolidWorks 3D CAD software is intuitive and enables you to develop better products by allowing your design team to work smarter and faster. Each release of the software delivers leadership innovations and hundreds of customer requested enhancements that give your organisation a competitive edge.

## COSMOS

COSMOSXpress 'Tests parts designs' quickly and easily with a built-in, point-and-click stress analysis wizard.

COSMOSWorks Designer, improves product quality and safety by testing 3D CAD models under real-world conditions with design analysis software created for nonspecialists.

COSMOSMotion, enhances the design quality and accuracy with virtual prototyping software that allows you to easily simulate motion.

## PDMWorks

PDMWorks Enterprise is a product data management software solution based on proven technology that can be deployed in a fraction of the time required for other enterprise PDM systems. PDMWorks Enterprise helps organisations manage and share product data more effectively and automate workflow to allow better collaboration from engineering to the shop floor, resulting in better products, lower costs, and faster time to market.

## CAMWorks

CAMWorks is a SolidWorks Certified Gold Product for Manufacturing/CAM/CNC Software that provides state-of-the-art machining capabilities seamlessly integrated into SolidWorks design software.

## DriveWorks

DriveWorks lets you specify new and variant products through a custom interface. You can create all the documents you need to help you respond to customer enquiries such as Quotes, General Arrangement Drawings and all the manufacturing documentation too like 3D Models, 2D drawings, BOMs, Cutting Lists

# Professional Services

## Implementation Consultancy

Prior to the installation of SolidWorks, we can offer an initial period of consultation in order to establish a methodology and timetable for the implementation. Once a methodology has been established, we can build and set up the hardware, handle the software installation and ensure it is configured correctly. We can train your staff, concentrating on the areas of SolidWorks most relevant to your business and help you get up to speed faster by preparing user guidelines, converting legacy data and configuring drawing templates, even producing and supplying entire part libraries. Any methodology that is developed during this consultation period can be incorporated into an intranet site accessible to all SolidWorks users from their desktop.

## Analysis Consultancy

We offer analysis consultancy in finite element analysis, mechanisms simulation and computational fluid dynamics. All analysis work is carried out on a fixed price per project basis and ranges from simple one day design studies to long term collaborative research programs. With all projects, the emphasis is placed on ensuring that the customer gains the maximum understanding of the work carried out and the results, and quite often, a consultancy project may be used as the basis of a training program.

## Application Programming Interface (API Programming)

As the design teams skill and experience with SolidWorks grow, they will identify a host of repetitive tasks in the workflow. These repetitive tasks could form a barrier to improving productivity as the demands of the production schedule increase. Our knowledgeable software programmers will develop user defined SolidWorks tools; these user defined tools are custom developed applications, designed to drive SolidWorks through the API and automate the repetitive tasks. By automating repetitive tasks the potential barriers to improved productivity are removed.

## PDMWorks Enterprise Assisted Implementation

The PDMWorks Enterprise assisted implementation is a flexible product, which aims to provide direct support for the system Administrators as they identify their design requirements, configure the operational solution, acquire the skills necessary to maintain the system, also implement the solution. This product can be as simple as a number of days training and on-site assistance to the delivery of a fully configured company wide implementation.

# Its All In The Detail

As the largest provider of SolidWorks software in the UK, we know what's important when investing in New Technology and that's why we continue to delight our customers year after year. Offering a fully supported product portfolio, and high levels of expertise internally; makes NT CAD/CAM unique within the SolidWorks community. This gives our customers the confidence and assurance that their support issues will be dealt with in a prompt manner.

NT CAD/CAM thrives on its innovative ideas and unique customer partnership agreement giving our customers an extensive range of support systems such as ISDN support, FTP uploading and downloading, live video support and real time internet review service. On top of utilising the latest technologies we also have a number of pro-active support packages that can be tailored to suit your company's needs.

Our Premier Support Package is an outstanding service which allows us to provide remote control support, reducing the down time for our customers.

We can also provide an ON-CALL service which enables faster problem identification and resolution, resulting in dramatic cost savings and increased customer satisfaction. The NT ON-CALL service enhances the effectiveness of traditional telephone based technical support by allowing our support professionals to interact with our customers live over the Web. Using any standard web browser NT ON-CALL can assist and diagnose problems regardless of location.

NT CAD/CAM has recognised a change in the market and has implemented a new service in which our customers can get highly experienced support through NT CAD/CAM without having to pick up the phone. This facility includes self help links created from our own experienced Engineers so you can focus on design, not CAD. Our new Interactive Support Centre has been imbedded into the SolidWorks Software for your convenience.

# Far and Wide

SolidWorks software is proven in production across a broad range of industries, allowing product designers and manufacturers worldwide to design better products.

6,107 seats in AEROSPACE & DEFENCE

40,344 seats in EDUCATION

16,000 seats in PRODUCT DESIGN SERVICES

10,000 seats in CONSUMER

4,200 seats in OIL & GAS

62,816 seats in MACHINERY

3,750 seats in ELECTRICAL

8,850 seats in **AUTOMOTIVE**

15,850 seats in MEDICAL

2,545 seats in HEAVY EQUIPMENT

6,346 seats in FURNITURE

10,879 seats in INDUSTRIAL COMPONENTS

22,665 seats in MOLD/TOOL/DIE

81,500 seats in OTHER



# Rumour has it

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“We bought SolidWorks because its functionality was far greater than any competitor pound for pound. In fact regularly one of the designers will find a trick that allows us to do something even faster. I especially like the toolbox that has saved us a lot of time since we bought SolidWorks. We have also found SolidWorks to be very responsive, we wanted something that was in the product and they are developing it for the next release. I was very impressed with that”

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Goodridge

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“We have moved into SolidWorks slowly and are now starting to realise what it gives us. It saves us allot of time and reduces the errors. We can now produce much better manuals, but the best thing has been that we can now show a customer a product before we make it. This helps the customer visualise.”

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Geo. Kingsbury

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NTCADCAM has offered our Extrusion development department at Maesteg an efficient and friendly support service. Ensuring both our CAD and CAM software products work together, allowing for a smooth transition between tool design and manufacture.

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Justin James, Cooper Standard Automotive Maesteg Division



# Location, Location, Location

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Tel: +44(0)117 906 3427

Hethel Engineering Centre, Chapman Way, Hethel, Norwich, NR14 8FB  
Tel: +44(0)1953 859130

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NT CAD/CAM are really excellent. Their people really understand engineering design and advanced analysis, and they have worked with us on several projects and contributed to resolving many difficult analysis problems.”

Nick Mennell would recommend NT CAD/CAM to anyone considering Solidworks, who is serious about design and analysis.

Nick Mennell, Engineering Director, AP Racing

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[www.ntcadcam.co.uk](http://www.ntcadcam.co.uk)