

If you're a user of graphics intensive software such as 3D modelling, simulation, analysis and visualisation you can now enjoy the benefits of moving to a virtualised computing environment.

Desktop virtualisation technology has accelerated considerably from a fledgling concept to a mature, stable environment which provides an excellent user experience with considerable commercial advantages.

Majenta vCAD provides users with the flexibility to work from anywhere at anytime and on any device, ultimately improving their work-life balance and more importantly their productivity.

### NEXT STEPS

If you're interested in learning more about the benefits of Majenta vCAD our technical experts are just a call or click away.

Find out more:

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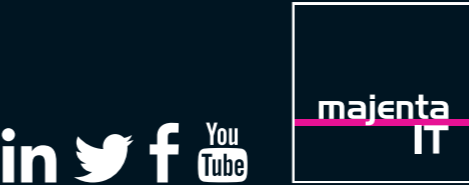
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The virtual CAD environment from Majenta



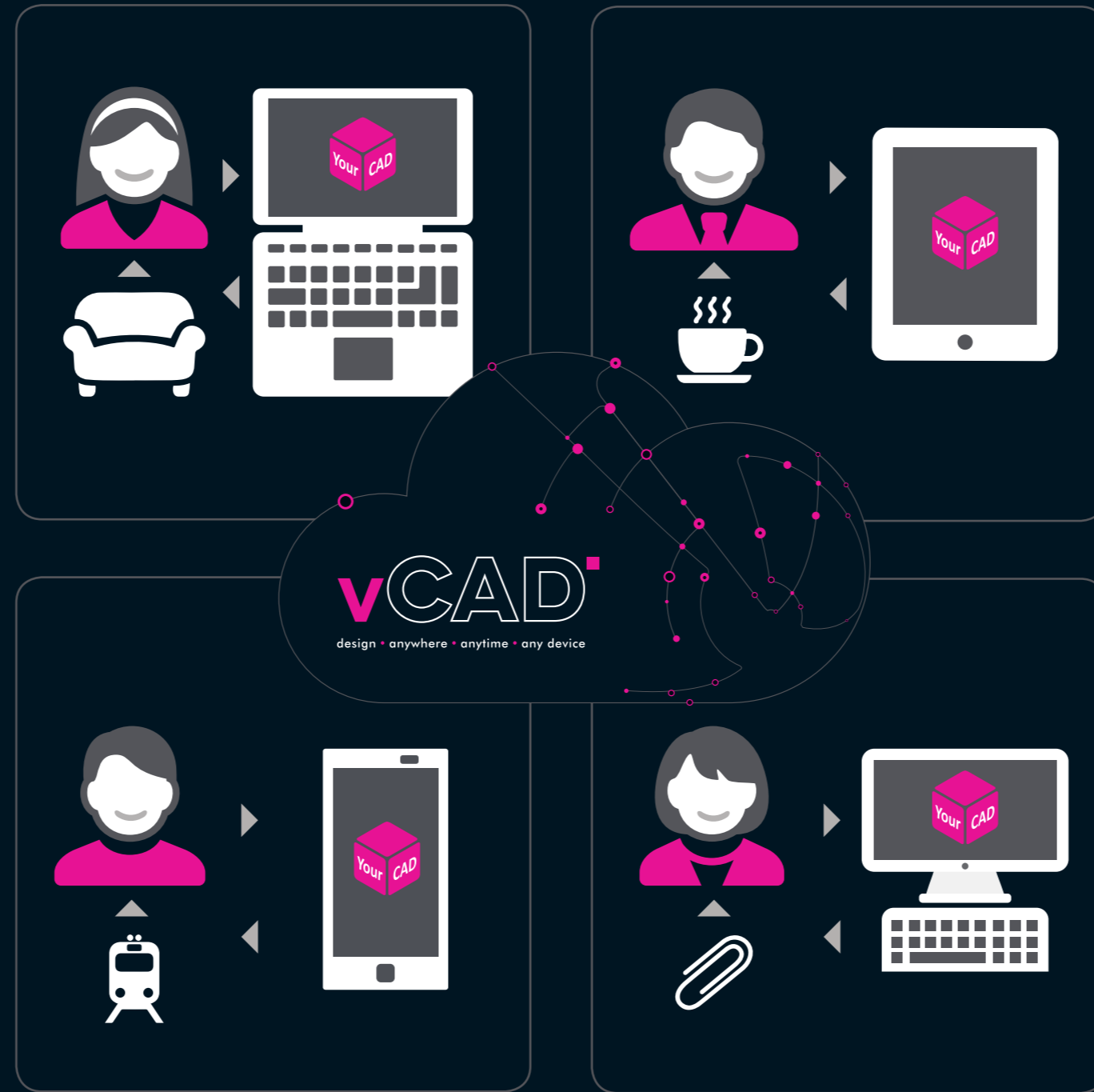
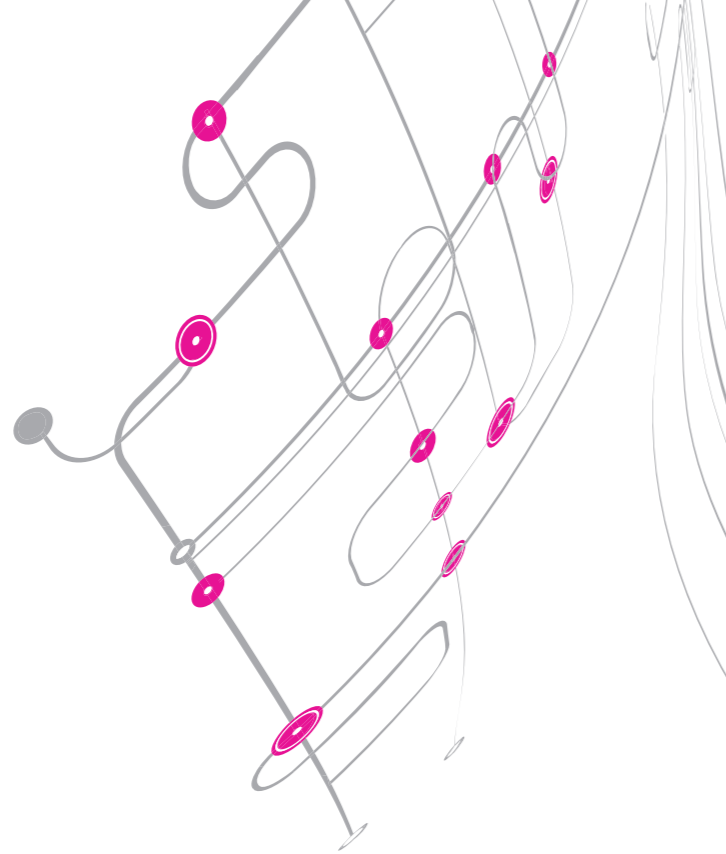
## INTRODUCING MAJENTA vCAD

Businesses that have already virtualised report a massive reduction in infrastructure costs and ongoing IT management expenditure, whilst also providing a secure platform for the growing need for third party collaboration.

Virtualisation of resource hungry CAD and design applications is not a straightforward or simple process. It takes far more than just having an understanding of the virtualisation platform or having expertise in the specifics of the individual applications. It requires an in depth knowledge of design users, their practices and workflows as well as the foresight to assess the impact that virtualisation will have on your existing IT infrastructure and working processes.

Delivering 3D applications with workstation performance in a virtualised environment is a specialised job. Majenta IT fills the knowledge gap between the platform and application specialists. Majenta is unique, our vast experience in delivering CAD solutions, combined with our strong relationships with leading vendors in both software and IT gives us complete understanding of the intricacies of implementing a virtualised CAD environment.

## DELIVERY OF 3D PROFESSIONAL GRAPHICS THROUGH A PUBLIC OR PRIVATE CLOUD



## WHAT DOES A VIRTUAL DESKTOP ENVIRONMENT REALLY MEAN?

**Moving 3D modelling, simulation and visualisation software to a virtualised environment can improve your productivity, support better project collaboration, enable easy mobile access to CAD data and offer employees increased work-life balance.**

Majenta vCAD enables users of graphics intensive applications such as 3D modelling, simulation, analysis and visualisation software to run these programmes through a public or private cloud infrastructure rather than on the designer's own workstation.

By removing the need to run CAD intensive software on each individual user's workstation a number of significant advantages are realised, including:

- Hosting of files and software in a cloud environment, often the company's own data centre, is inherently more secure than hosting business-critical files such as CAD on a user's own workstation.
- Centrally hosted data also supports real-time collaboration among users regardless of their location, which can significantly reduce design cycle times.
- The need to transfer sensitive design files via email is eliminated resulting in a more secure, stable file sharing environment.
- Users share pooled hardware resources, whether they reside in the same office or across different time zones, reducing IT expenses by removing the need for a dedicated physical workstation.
- A virtual computing environment extends the full functionality of high-end 3D software to all web-connected users whether they reside on the manufacturing floor, on site, travelling or working from home.

## THE BENEFITS OF MAJENTA vCAD

**The best news is that CAD managers and users who work from virtual machines experience no difference from their traditional desktop workstation. In fact they notice improved workflow, collaboration and personal benefits:**

- Increased data security especially in a remote environment
- Better computing performance and user productivity
- Increased design team collaboration
- IT cost savings
- Improved support for a mobile workforce.

Leading vendors including Citrix and Nvidia have conducted significant testing on the performance of the virtual environments for CAD users that have proven to excel. Even the most intense software such as design simulations and rendering of large-scale images can have speeds that surpass your traditional workstation! Furthermore, these files can be viewed on any device including mobile.

Working in a virtual environment means that your CAD workflow won't halt when a problem or question arises. All of your key project members can view and edit CAD data at any hour even via a tablet device. Should they experience a power or internet outage or the hardware fails, they can simply use another device that resides at a non-affected location. When your IT department conduct upgrades to the hardware or software it won't have any impact because updates take place once, on the server, which also means that all of your users will be working from the same software versions at all times.