

**FIREPRO**  
GRAPHICS

AMD



## Technical competence that puts customers first

Leading Siemens PLM Software partner TEAM Engineering standardises on  
AMD FirePro™ professional graphics and Dell Precision™ Mobile Workstations

### Customer:

TEAM Engineering  
www.team-eng.com

### Industry:

Product Lifecycle Management

### Business opportunity:

- Optimise TEAM Engineering's ability to guide and support customers
- Maintain the company's reputation for technical expertise

### Solution:

- AMD FirePro™ professional graphics| Dell Precision Workstations

### Business impact:

- Significant increase in speed for customers handling complex CAD assembly structures
- Less time spent waiting, more on engineering input productivity of engineers
- Ability to run the same hardware and software as customers improves service quality

### Enduring technical expertise

When your engineering design and manufacturing productivity depends on specialist IT systems you need a capable and reliable technical partner who can provide guidance and support. This is the role that TEAM Engineering fulfils. The UK's longest established Siemens PLM Software reseller, TEAM Engineering is a specialist for CAD/CAM/CAE and product lifecycle management solutions. It has been advising, supplying and assisting customers throughout the UK for 15 years.

As Technical Manager Neil Johnson explains, "Everything we do supports our technical focus. From our purpose-built Technical Centre in Huntingdon we provide comprehensive support, solution testing, consultancy and training for the complete Siemens PLM suite. We also carry out NXTM beta testing and provide NX I-deas® data migration and auditing." TEAM Engineering has invested heavily in a dedicated Dell-equipped presentation room, which showcases the latest solutions from Siemens PLM.

### Fit for purpose equipment

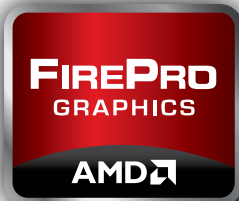
"With the increasing complexity of digital design development and all its downstream uses, hardware is being pushed to its limits, and in order to maintain our high service levels we must make sure that we are at the leading edge. We therefore benchmark and beta test all the latest hardware and operating system solutions. This enables us to advise our customer how to get the most out of their software."

That is why, in 2011, all TEAM's engineers were equipped with Dell Precision™ M6500 mobile workstations and AMD FirePro™ M7820 mobility professional graphics with 1 GB of memory. A Dell partner for 6 years, TEAM Engineering previously supplied a mix of graphics cards from different suppliers. However, customers increasingly began buying and asking for AMD FirePro™ professional graphics. "We decided that we had to put them to the test," comments Neil.

***"It is crucial that we use the most advanced technology so that we can assist and support our customers, guiding them towards the most effective solutions. As a result of our partnership with Dell and AMD our customers achieve optimal performance from their Siemens PLM software solutions"***

Neil Johnson,  
Technical Manager, TEAM Engineering





# AMD FIREPRO™ M8900 PROFESSIONAL GRAPHICS



## AMD FirePro™ Professional Graphics Fast Facts

- AMD FirePro™ M8900 mobility professional graphics with powerful GPU performance and global support

### 50,000 components loaded in seconds

The results were spectacular. “One of our customers processing a GA ISO view that used to take 1.5 minutes on the previous hardware only took 19 seconds on the Dell Precision M6500 mobile workstations,” reports Neil. “An assembly with over 50,000 components which used to take minutes now loads lightweight component representations on the latest version of NX.”

TEAM Engineering found that the combination of Dell and AMD cut processing times in various situations. Mark Sharples, TEAM Engineering Technical Director cites another example. “We used NX Nastran for a non-linear static analysis of plate structure resting on soil (represented by springs) with an initial gravity loading to close the springs followed by a distributed pressure load. The model contained 1.9million degrees of freedom. The solve time with the Dell M6500 was three times faster than our previous hardware and the model opened and saved seven times faster, too. The speed of displaying results during post processing was around ten times faster, reducing the time to collate and interrogate results.”

### Expectations exceeded

“AMD FirePro™ M7820 mobility professional graphics provided us with thrilling results,” continues Mark. “The development work that AMD has done over the last few years really showed. We were so impressed that in line with our commitment to continuous improvement we upgraded in 2012.”

TEAM Engineering’s technical consultants are now even better positioned to assist their customers. They use Dell M6600 workstation laptops fitted with AMD FirePro™ M8900 professional graphics providing 2GB of onboard memory. Neil again “This gives us enough power and performance to load extremely large NX models and interact quickly within assemblies. AMD professional graphics have certainly exceeded our expectations.”



For more information, visit [www.amd.com/firepronextgen](http://www.amd.com/firepronextgen)

