Engineering, Architecture and Manufacturing

INCREASING PRODUCTIVITY BY ENABLING ADVANCED ENGINEERING DESIGNS WITH PROFESSIONAL GRADE TOOLS
Engineering and design workflows that simply did not exist 3-5 years ago have radically altered the way products and structures are developed and built today.

- Advances in simulation and analysis, digital twins and generative design are enabling new design paradigms that bring designs to market faster and more cost effectively.

- Integrated design, additive manufacturing and IoT technologies are driving better designs despite ever increasing product complexities.

- Augmented reality, virtual reality and real-time photo-realistic rendering are enhancing design and collaboration.

- Building Information Modeling (BIM) is driving better design and manageability of projects and is being adopted as a government mandated technology for projects across the globe.
Dell Precision 5820 Tower workstation provides scalable performance for CAD applications, such as:

- Dassault Systèmes - SolidWorks®, CATIA®, Autodesk Inventor®, AutoCAD®, PTC Creo®, Siemens NX™

Combine with a single or dual Dell UltraSharp monitor(s) and a wireless 3DConnexion SpaceMouse to take advantage of the CAD software’s features and to maximize productivity.

Dell Precision workstations provide the interactive performance to increase productivity, which drives faster time to market and more opportunities for iteration, resulting in better product design.

**Recommended products and accessories**

A. Dell Precision 5820 Tower  
B. Dell Premier Wireless Keyboard and Mouse - KM717  
C. Dell UltraSharp 27 4K USB-C Monitor - U2720Q  
D. Wireless 3DConnexion SpaceMouse Pro

**Mobile solution**

E. Dell Precision 3550, 3551 or 7550*  
F. Dell Performance Dock – WD19DC*  
(Recommended for the 7550)

**Rack solution**

G. Dell Precision 3930 Rack*  
H. Dell Wyse 5030 Zero Client*  
I. Dell UltraSharp 24 Monitor - U2419H*  
J. Wyse 5070 Extended*  

*Not pictured
Dell Precision workstations provide scalable performance for CAE applications, such as: ANSYS® Mechanical™, Fluent®, Discovery™ Live, Altair® HyperWorks®, solidThinking®, COMSOL Multiphysics®. Combine with a single or dual Dell UltraSharp monitor(s), wireless keyboard and mouse and wireless headset for an exceptional user experience.

Simulation and analysis (CAE) POWER OPTIMIZATION, GENERATIVE DESIGN AND DIGITAL TWIN TECHNOLOGY TO PROVIDE BETTER PART DESIGN AND FASTER TIME TO MARKET.

The Dell Precision 7920 Tower or 7750 mobile workstations provide scalable performance for CAE applications, such as:

- ANSYS® Mechanical™, Fluent®, Discovery™ Live
- Altair® HyperWorks®, solidThinking®, COMSOL Multiphysics®

Combine with a single or dual Dell UltraSharp monitor(s), wireless keyboard and mouse and wireless headset for an exceptional user experience.

Recommended products and accessories

- A. Dell Precision 7750
- B. Dell Performance Dock – WD19DC
- C. Dell UltraSharp 32 4K USB-C Monitor - U3219Q
- D. Dell Premier Wireless Keyboard and Mouse - KM717
- E. Jabra Evolve 75
- F. Dell Portable SSD, USB-C 250GB
- G. Dell Pro Backpack 17 - PO1720P
- H. Wireless 3DConnexion SpaceMouse Pro

Desktop solution

- I. Dell Precision 7920 Tower

* Not pictured
The Dell Precision 5820 Tower workstation provides scalable performance for visualization applications, such as:

- Dassault Systèmes® SOLIDWORKS Visualize
- 3DEXCITE
- Autodesk® 3ds Max®, VRED
- Siemens PLM Teamcenter® Visualization

Include 4K displays, X-Rite Colorimeter for color accuracy, and a VR solution to amp up your work space.

Recommended products and accessories

A. Dell Precision 5820 Tower
B. HTC Vive Pro
C. Dell UltraSharp 27 4K PremierColor Monitor - UP2720Q
D. Wireless 3DConnexion SpaceMouse Pro
E. Dell Premier Wireless Keyboard and Mouse - KM717

Mobile solution

F. Dell Precision 7750*
G. Dell Performance Dock – WD19DC*
H. Dell Pro Backpack 17 - PO1720P*

* Not pictured
The Dell Precision 3640 Tower workstation provides space-savings and powers architectural applications, such as:

- Autodesk Revit®, AutoCAD®
- GRAPHISOFT® ARCHICAD
- Bentley Software MICROSTATION
- Robert McNeel & Associates Rhino®

Dual monitors, wireless keyboard and mouse and wireless headset provide a more comprehensive work space.

Precision workstations provide the interactive performance to increase productivity, drive faster time to market and open more opportunities for iteration, resulting in better building and site planning, design and more collaborative workflows. With Precision you can also show your work in VR/AR applications.

**Recommended products and accessories**

A. Dell Precision 3640 Tower
B. 3DConnexion SpaceMouse Wireless
C. Dell Premier Wireless Keyboard and Mouse - KM717
D. Jabra Evolve 65
E. Dell Dual Monitor Stand MDS19
F. Dell UltraSharp 27 4K USB-C Monitor - U2720Q
G. HTC Vive Pro *
H. Dell Precision 7550 *
I. Dell Performance Dock - WD19DC *
J. Dell Precision 3930 Rack *
K. Dell Wyse 5030 Zero Client *
L. Dell UltraSharp 24 Monitor | U2419H *

* Not pictured † Not available in all countries
The Dell Precision 5820 Tower or 7550 mobile workstation provides outstanding performance and reliability for MEP and HVAC applications, such as:

- Autodesk® Revit® MEP
- AutoCAD® MEP
- Navisworks®
- Trimble® PipeDesigner™
- DuctDesigner™

Include 4K monitor(s) and a Wireless 3DConnexion SpaceMouse to enhance the workspace and productivity.

Recommended products and accessories
- A. Dell Precision 7550
- B. Dell UltraSharp 27 4K USB-C Monitor - U2720Q
- C. Jabra Evolve 75
- D. 3DConnexion SpaceMouse Pro Wireless
- E. HTC Vive Pro†
- F. Dell Premier Wireless Keyboard and Mouse - KM717
- G. Dell Performance Dock - WD19DC
- H. Dell Precision 5820 Tower*  

* Not pictured
† Not available in all countries

Dell Precision workstations provide the GPU and CPU power to view and analyze complex data sets.
The Dell Precision 5820 Tower workstation provides scalable performance and reliability for structural engineering applications, such as:

- AutoCAD® Revit® Structure
- Advance Steel
- Tekla® Structural Designer
- Bentley Software MICROSTATION
- STAAD.Pro
- RAM(R) Steel

With a single or dual Dell UltraSharp 4K display, experience incredible image quality and color accuracy.

Dell Precision workstations provide the extreme performance to enable new paradigms in engineering analysis.

Recommended products and accessories

A. Dell Precision 5820 Tower
B. Dell UltraSharp 27 4K USB-C Monitor - U2720Q
C. 3DConnexion SpaceMouse Pro Wireless
D. Jabra Evolve 75
E. Dell Premier Wireless Keyboard and Mouse - KM717*

Mobile solution

F. Dell Precision 7750*
G. Dell Performance Dock - WD19DC*
H. Dell Pro Backpack 17 - PO1720P*

*Not pictured
Dell Rugged products will help improve productivity and quality control.

The Latitude 7220 Rugged Extreme Tablet captures real-time data for making logistical decisions in warehouses and on manufacturing floors.

Dell Rugged computing solutions are built for world-class reliability in the most extreme conditions. Get the toughest jobs done with stunning performance, reliable connectivity and outdoor-readable displays.

Dell rugged products can handle harsh environments where dust, water, extreme temperatures and vibrations are present.

**Recommended products and accessories**

A. Latitude 7220 Rugged Extreme Tablet
B. Keyboard with Kickstand
C. Scanner Module
D. Extended I/O Module
E. Rugged Active Pen
F. Rugged Tablet Dock
G. Shoulder Strap
H. Rugged Cross-Strap
I. Lind Modular Battery Charger
J. Rigid Handle

Logistics

**KEEP THE MANUFACTURING FLOOR AND DELIVERIES MOVING WITH RUGGED SYSTEMS THAT THRIVE IN TOUGH ENVIRONMENTS.**
Integrated and automated

Dell Edge IoT products are fanless, designed and engineered to withstand harsh industrial conditions and operate reliably 24x7. Multiple deployment options such as inside control cabinets, on a DIN rail, or outside a cabinet without a mount provide customizable IoT solutions for the manufacturing floor.

Also consider embedding a rack workstation inside manufacturing equipment or as standalone units on the floor because they can withstand extended temperatures and provide outstanding performance.

Make informed decisions based on available data and continuously identify overall volume of products in production and apply set criteria, such as historical performance, to identify ideal products for auditing.

Recommended products and accessories

A. Dell Edge Gateway 3000 Series
B. Dell Edge Gateway 5000 Series
C. Rugged Enclosure
D. I/O Expansion
E. Power Module

F. Dell Precision 3930 Rack*
G. Dell Wyse 5030 Zero Client*
H. Dell UltraSharp 24 Monitor - U2419H*

*Rack solution

*Not pictured
Dell has “Ready for VR” and AI solutions that are optimized for the intensive graphic and processing power that they require. Our solutions are verified and certified by our Dell Technology Partner Program to ensure reliable performance.

Take advantage of these technologies with Dell Precision workstations, either a tower or mobile.

Apply immersive technologies to existing business processes or develop new ones to create or enhance your competitive advantage and drive the future of design and factory.

Recommended products and accessories

A. Dell Precision 7920 Tower
B. HTC Vive Pro†
C. X-Rite Colorimeter i1Display Pro*
D. Dell UltraSharp 32 4K USB-C Monitor - U3219Q

Mobile solution

E. Dell Precision 7750
F. Dell Performance Dock – WD19DC
G. Dell Pro Backpack 17 - PO1720P

* Not pictured
† Not available in all countries
Get to work faster and stay productive longer with Dell Latitude notebooks and 2-in-1s, which provide light, stylish mobility for faster and smarter end user experiences. With an intelligent, unified approach to management, Express technologies and the trusted Safe suite of solutions, Latitude delivers both innovation and security.

Recommended products and accessories

A. Dell Latitude 9410
B. Dell Thunderbolt™ Dock - WD19TB
C. Dell multi-device wireless keyboard and mouse Combo - KM7120W
D. Dell UltraSharp 27 4K USB-C Monitor - U2720Q
E. Dell Dual Monitor Stand - MDS19
F. Dell ProStereo Headset - UC350

Stay connected and get more done with Latitude notebooks.
Built for business

Experience a new way to work with Dell Technologies
Unified WorkspaceIntelligence built in.
Modernization built on.

We know that having the right device is just the start to a great workday. Employees need intelligent, intuitive and responsive experiences that allow them to work productively and without interruption. According to research, 1 out of every 4 users would question their job and the company they work for if they had a negative experience with their technology. Dell Technologies Unified Workspace is transforming the employee experience and ensuring IT has proactive, predictive and automated solutions to deliver on the promise of a modern workday, while simplifying their ability to deploy, secure, manage and support their environment.

ProDeploy in the Unified Workspace allows IT to move away from traditional, high-touch, manual deployment, and instead, ship devices preconfigured with company apps and settings from the Dell factory directly to their end users—having end users up and working on day one.

Dell Trusted Devices provide a foundation to a modern workforce environment with invisible and seamless protection to ensure smarter, faster experiences. End users stay productive and IT stays confident with modern security solutions for the Dell Trusted Device.

Dell Client Command Suite + VMware Workspace ONE offers integrated capabilities that deliver a unified endpoint management experience for IT, enabling them to manage firmware, OS, and apps from one console, while also creating seamless experiences for end users.

ProSupport resolves hardware issues up to 11x faster than the competition. ProSupport for PCs offers 24x7 access to in-region ProSupport engineers who contact IT when critical issues arise, so you can focus on what’s next, not what just happened. ProSupport Plus helps IT stay a step ahead and virtually eliminate unplanned downtime due to hardware issues. You get all the capabilities of ProSupport, as well as AI-driven alerts to prevent failures and repairs for accidents.
