Finance in a Modern Era

Modern trading and finance don’t keep regular office hours, nor regular places of business. Beyond the demand for fast transactions, the trading floor – wherever it resides – has an insatiable hunger for information and market data. Multiple computer connections, diverse display models, voice, data access and demand for convergence at every trading desk are now the norm.

If you are working or planning to operate across this industry, or the companies serving it, you’ll need to look more closely at your toolsets.

See the most common industry workflows below.

Markets & Trading

Financial Advice

Data Analytics
The trading floor has transformed. Bitcoin attaining ETF status has put the focus on blockchain technology and crypto currency trading, forcing traders like you to track more and more indices. To keep you up to speed, Dell Precision workstations offer a platform that accommodates future innovations and the ever-evolving vision of traders, whilst providing your financial organization with maximum uptime, performance and productivity.

Challenges:
1. Need for reliability, performance, and connectivity for multiple high resolution monitors on the trading floor.
2. Incorporation of AR/VR and AI to enhance analysis, as well as big data analytics.
3. Insufficient processing power and stability in Analyst workflows losing productivity due to bottlenecking and system crashes.

Overcome those challenges with Dell’s solutions below:

**Financial Analysis**

- **Spreadsheet Analyst**
- **Financial Analyst VR Solution**

**Data Analytics**

- **Data Analytics/AI**
- **Corridor Warrior**
- **High Performance Data Analytics/AI**
Dell delivers the high system reliability traders need to stay productive, with the performance to drive multiple 4K monitors simultaneously. Allowing you to focus on the details that inform the next financial trends, without having to worry about crashes.

**Dell Monitor Trading Floor Setup:**

Dell UltraSharp 34 Curved Monitor | U3417W

Track trends and trade like never before with four vertically aligned curved 34" WQHD 3440 x 1440 resolution displays that sit side-by-side. Plus, with ComfortView, and flicker-free screens reducing blue light emissions, you’ll be ready for those extra lengthy trading sessions.

**Precision 3440 Small Form Factor Tower.**
Affordable tower workstations for professional performance. Fully configurable and ISV certified with Intel® processors and discrete graphics.

**Small Form Factor.**
The small form factor tower workstation is a compact design. The optional Platinum-rated PSU has a smaller design that leaves a reduced environmental footprint.

**A sight to behold.**
Supports up to four 4K displays. Perfect for trend analysis.

**For the professional.**
Experience powerful graphics options including AMD FirePro™ or NVIDIA® Quadro™ professional-grade discrete graphics for even the most demanding projects.

**Dell Premier Wireless Keyboard and Mouse | KM717**

Enjoy an elegant design that fits into virtually any workspace.

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**Dell Optimizer for Precision**
Click here to learn about dynamic custom performance tuning for trading and data processing applications.

**Dell Monitors**
Click here to learn more about how the world’s #1 monitor provider enables you to identify more trends and make better trades.

**Why Dell for Finance?**
Find Out More

**Investment Services Use Case**
Find Out More

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**Bulls vs. Bears. ETFs vs. Crypto. Trading in the modern era.**
Dell delivers the high system reliability traders need to stay productive, with the performance to drive multiple 4k monitors simultaneously. Allowing you to focus on the details that inform the next financial trends, without having to worry about crashes.

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Investment Services Use Case
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Heavy Trading Solution
Precision 5820 Tower

Perfected to your vision.
Expand your ideas with the Precision 5820 Tower, featuring high performance in a new innovative, versatile compact design.

Adapts to your innovations.
Your Precision 5820 Tower is ready for complex charting with the next generation AMD Radeon Pro™ and highest performing NVIDIA® Quadro RTX™ graphics.

A sight to behold.
Your fixed workstation supports up to eight 4K displays so it’s perfect for trend analysis.

Dell Monitor Trading Floor Setup
Enhance productivity using one Dell 43” monitor and two 25” monitors turned vertically.

Dell Premier Wireless Keyboard and Mouse | KM717
Enjoy an elegant design that fits into virtually any workspace.
Financial Analysis

As part of a financial advisory firm, you are under enormous pressure to enhance not only your front office with new digital technology, but to transform business and operating models as well. Finance is not just about number crunching anymore. Social finance, AI-enabled finance, and instant finance are just among the latest trends to shake up the industry. Dell Precision workstations power trading floors, financial analysis and banking through close partnerships with financial institutions and ISVs.

**FINANCIAL ADVISOR**
Suggests and renders financial services based on the client’s financial situation.

**Why a workstation?** A workstation should provide high-end graphics so advisors can load and interpret multiple client workflows. It should also provide the performance required to analyze customer and industry trends in real-time.

**DATA ANALYST**
Roles such as Data Analysts and Senior Advisors are now increasingly facing the daily challenge of processing large amounts of spreadsheet data, and dynamically pulling them from multiple sources to create frequent reports for sales teams and analysts to drive business initiatives from.

**Why a workstation?** Running frequent reports that pull in data from multiple Excel spreadsheets and SQL databases puts a significant strain on compute resources. Conventional Laptops are not able to handle this workload without bottlenecks or worse yet, crashing.

**Challenges:**

1. Need for reliability, performance, and connectivity for multiple high resolution monitors on the trading floor.
2. Incorporation of AR/VR and AI to enhance analysis, as well as big data analytics.
3. Insufficient processing power and stability in Analyst workflows losing productivity due to bottlenecks and system crashes.

**Overcome those challenges with Dell’s solutions below:**

**Financial Analysis**
- Financial Analysis and Training
- Spreadsheet Analyst
- Financial Analyst VR Solution

**Data Analytics**
- Data Analytics/AI
- Corridor Warrior
- High Performance Data Analytics/AI

**DATA ANALYST**
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**Why a workstation?** A workstation should provide high-end graphics so advisors can load and interpret multiple client workflows. It should also provide the performance required to analyze customer and industry trends in real-time.

**FINANCIAL ANALYST**
Performs financial analysis for external or internal financial clients as a core part of the job using a combination of fundamental and technical chart analyses.

**Why a workstation?** Analysts require the fastest and most reliable computer workstations with multiple monitors. The Dell workstation provides the reliability and performance needed for quick and easy access to comprehensive data sets.
Financial Advisor Workflow
Precision 7820 Tower

Analyzing from current and past financial data analytics and performance. Preparing reports and projections based on this analysis. Coordinating with other members of the finance team to review financial information and forecasts. Providing financial models and forecasting. This reliable workhorse gives you all of this functionality and more.

Max performance. Superior scalability.
The Precision 7820 Tower provides ultimate performance and scalability to grow alongside your vision.

As adaptable as you are.
There is no limit to your potential on this machine designed for the future with the next generation AMD Radeon Pro™ and highest-performing NVIDIA® Quadro RTX™ graphics.

A sight to behold.
Your fixed workstation supports up to eight 4K displays. Perfect for trend analysis.

Dell Optimizer for Precision
Click here to learn about dynamic custom performance tuning for trading and data processing applications.

Dell Monitors
Click here to learn more about how the world’s #1 monitor provider enables you to identify more trends and make better trades.

Why Dell for Finance?
Find Out More

Investment Services Use Case
Find Out More

Financial Advisor Monitor Setup:
2x Dell UltraSharp 49 Multi-Client Monitor | U4919DW
49" Curved, Dual QHD resolution (5120×1440) display with USB-C connectivity and built-in KVM.

Dell Premier Wireless Keyboard and Mouse | KM717
Enjoy an elegant design that fits into virtually any workspace.
Financial Analysis and Training Workflow

Precision 3640 Tower

Analyzing from current and past financial data analytics and performance. Preparing reports and projections based on this analysis. Coordinating with other members of the finance team to review financial information and forecasts. Providing financial models and forecasting. This reliable workhorse gives you all of this functionality and more.

Financial Institutions are now looking at new and effective ways to train their analysts with new immersive technologies such as VR.

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Dell Monitors
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Why Dell for Finance?

Find Out More

Investment Services Use Case

Find Out More

Small but mighty.
Harness the power of workstation performance, content creation and reliability in an affordable, smaller, yet expandable tower design.

Ready for VR.
Prepare yourself for impressive VR in the surprisingly affordable Precision 3640 Tower. Next generation AMD Radeon™ Pro and NVIDIA® Quadro RTX™ professional graphics handles VR content creation with workstation-class performance you can count on.

Dell Premier Wireless Keyboard and Mouse | KM717
Enjoy an elegant design that fits into virtually any workspace.

Financial Analyst Monitor Setup:
4x Dell UltraSharp 27 4K Monitor | U2718Q
The world’s first 27” 4K monitor with InfinityEdge. See stunning colors and pixel perfect details on a virtually borderless display.

HTC VIVE Pro Eye™
Use virtual reality to train employees and collaborate on predictive/bid data analytics.

Financial Analysis >
Dell Precision workstations provide the latest industry enhancements involving direct and third-party applications, to increase performance and productivity by accelerating access to massive amounts of data utilized to build complex analytics required in today’s business.

**Dell Thunderbolt™ Dock | WD19TB**

Work at full speed with Dell’s powerful Thunderbolt™ Dock. Charge your system faster, support up to three 4K displays, and connect to your peripherals via a single cable.

**Dell Premier Wireless Keyboard and Mouse | KM717**

Enjoy an elegant design that fits into virtually any workspace.

**Dell UltraSharp 49 Curved Monitor | U4919DW**

A revolutionary 49” dual QHD curved monitor with ultra wide views, multitasking features and seamless connectivity for an immersive work experience.

**Precision 5550 Mobile Workstation**

- **CPU:** Intel® Xeon/i7/i9
- **Memory:** 16/64GB 2933MHz
- **Storage:** 1 X 1TB NVMe
- **Graphics:** NVIDIA® T1000/2000
Data Analytics/AI Workflow

Precision 5820 Tower

An entry-level workhorse that drives productivity straight away.

Outstanding Performance from the Intel® Xeon® W-Processor Family and the Intel® Xeon® W-2145 containing 8-cores with 11MB CPU memory cache.

Dual GPU Accelerator technology featuring the NVIDIA® Quadro RTX™ 6000 + NVIDIA® NVLink™, providing 48GB of graphics memory for up to 130 TFLOPS of deep learning data sets and enhanced dual-card compute performance.

Memory capacity up to 256GB allowing fast problem solving in RAM storage.

Better net value and security vs. cloud services without processing cycle fee constraints.

Dell Optimizer for Precision
Click here to learn about dynamic custom performance tuning for trading and data processing applications.

Why Dell for Finance?
Find Out More

Investment Services Use Case
Find Out More

Data science workflows have traditionally been slow and cumbersome, making it difficult to prepare and parse data to gain the valuable insights locked within. Dell Precision Data Science Workstations with NVIDIA® Quadro™ GPUs feature a fully integrated data science software stack that provide the performance required to transform massive amounts of data into insight.

Dell Data Science workstations provide an easy to deploy data science compute solution that enables enterprises to expand their data science efforts and explore data, transforming the way they do business.

Perfected to your vision. Expand your ideas with the Precision 5820 Tower. Featuring high performance in a new innovative, versatile compact design.

- CPU: 8 core Intel® Xeon®
- GPU: NVIDIA® Quadro RTX™ 6000
- Storage (Boot): 512TB NVMe
- Storage (Fast): 1TB NVMe
- Memory: 64GB

Built for your future. Your Precision 5820 Tower grows with your ideas no matter where they take you, thanks to a new chassis that combines a versatile design with outstanding storage scalability.

The NVIDIA® Quadro RTX™ 6000 is designed to meet the requirements of demanding data science workflows. Powered by NVIDIA® Turing, delivering the extreme memory capacity, stability, and performance data scientists need to gain insights more quickly than ever before.

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Dell Wireless Premium Keyboard and Mouse Combo | KM717
Keep your desk clutter-free with a modern wireless keyboard and mouse combo with scissor chiclet keys and LED tracking.

Dell UltraSharp 32 4K USB-C Monitor | U3219Q
Experience outstanding screen performance on this 51.5” 4K USB-C monitor featuring InfinityEdge and multitasking capabilities.

Dell UltraSharp 32 4K USB-C Monitor | U3219Q
Experience outstanding screen performance on this 51.5” 4K USB-C monitor featuring InfinityEdge and multitasking capabilities.
High Performance AI and Data Analytics
Precision 7920 Tower

Take a step up with our most versatile, Data Science-targeted Precision 7920 Tower featuring dual CPUs and GPUs.

Outstanding Scalability using Dell Precision 7000 Series Tower or Rack workstations.

Parallel performance from the Intel® Xeon® Scalable Processor Family and Dual Intel® Silver® 4100 CPUs containing 16 total cores.

Dual GPU Accelerator technology featuring the NVIDIA® Quadro RTX™ 8000 + NVIDIA® NVLink™ providing 96GB of graphics memory for larger data science data sets and enhanced dual-card compute performance.

Massive Memory capacity up to 3TB allowing fast problem solving in RAM storage.

Data science workflows have traditionally been slow and cumbersome, making it difficult to prepare and parse data to gain the valuable insights locked within. Dell Precision Data Science Workstations with NVIDIA® Quadro™ GPUs feature a fully integrated data science software stack that provide the performance required to transform massive amounts of data into insight.

Dell Data Science workstations provide an easy to deploy data science compute solution that enables enterprises to expand their data science efforts and explore data, transforming the way they do business.

Max performance. Superior scalability.
The new AI and Deep Learning enabled Precision 7920 Tower provides ultimate performance and scalability to grow alongside your vision.

- Number of CPUs: 2
- CPU: Intel® Xeon® Silver 8 Cores
- GPU: 2x NVIDIA® Quadro RTX™ 8000 + NVIDIA® NVLink™
- Storage (Boot): 1TB SSD
- Storage 1 (Fast): 2 x 1TB NVMe
- Memory: 192GB
- Network: 1Gb integrated (10Gb Optional)

No project is too big. The Precision 7920 Tower grows with your ideas no matter where they take you, thanks to a new FlexBay design that combines a versatile chassis with outstanding storage scalability.

Dell Optimizer for Precision
Click here to learn about dynamic custom performance tuning for trading and data processing applications.

Why Dell for Finance?
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Investment Services Use Case
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