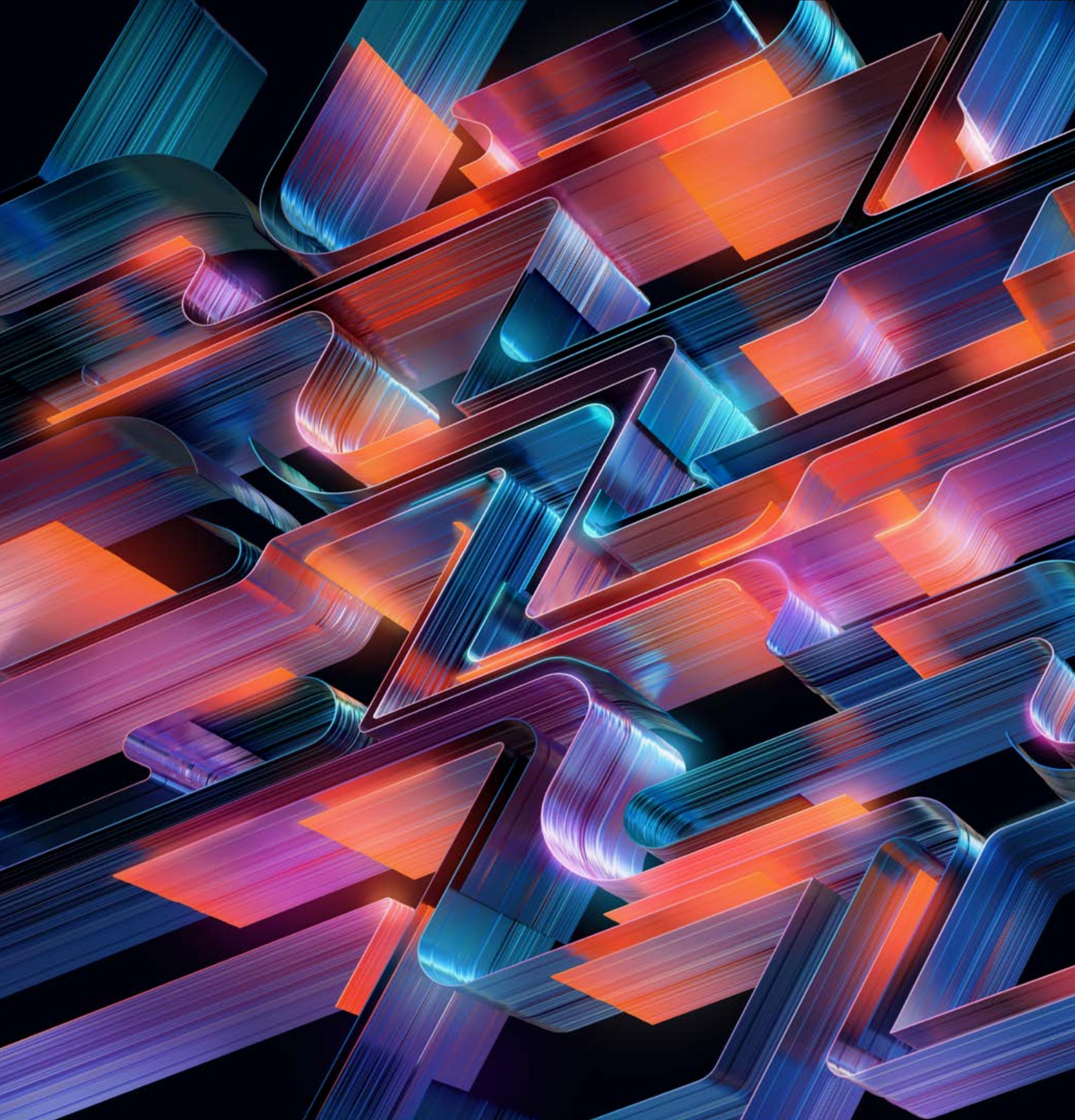


# Made For More

Power through your heaviest workloads with high-performance workstation laptops, desktops, displays and solutions.



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# Find The Right Workstation For You

Tested, optimized and certified to power complex workflows, Z by HP high-performance workstations are engineered to outperform your typical PC. Get more done with extremely reliable devices and hybrid work solutions designed for demanding projects.

From AI and data analysis to real-time rendering, 3D design and animation — Z Workstations drive the heaviest professional workflows.

[LEARN MORE](#)



Z FOR CREATIVITY

# Create Without Compromise

Creative, Media & Entertainment Pros

From video editing and 3D animation to game development in VR — reach peak creative flow on your heaviest projects with Z Workstations. We work closely with top software providers to ensure peak performance for your most complex projects.

## IDEAL FOR

### 2D & 3D Concepting

Quickly generate 3D models from 2D drawings with Z devices certified for CAD software. With the latest high-frequency processing technology, you get advanced performance and real-time interactivity.

### 3D Modeling & Rendering

Whether you're cutting together spots, shorts or features, you push your system to the max. That's why we've developed an extensive line of powerhouse devices to help you edit in less time so you can hit your deadlines.

### Visualization

Z devices are built for every step of the development process with powerful graphics to 3D render an entire universe.

### Top Software Apps

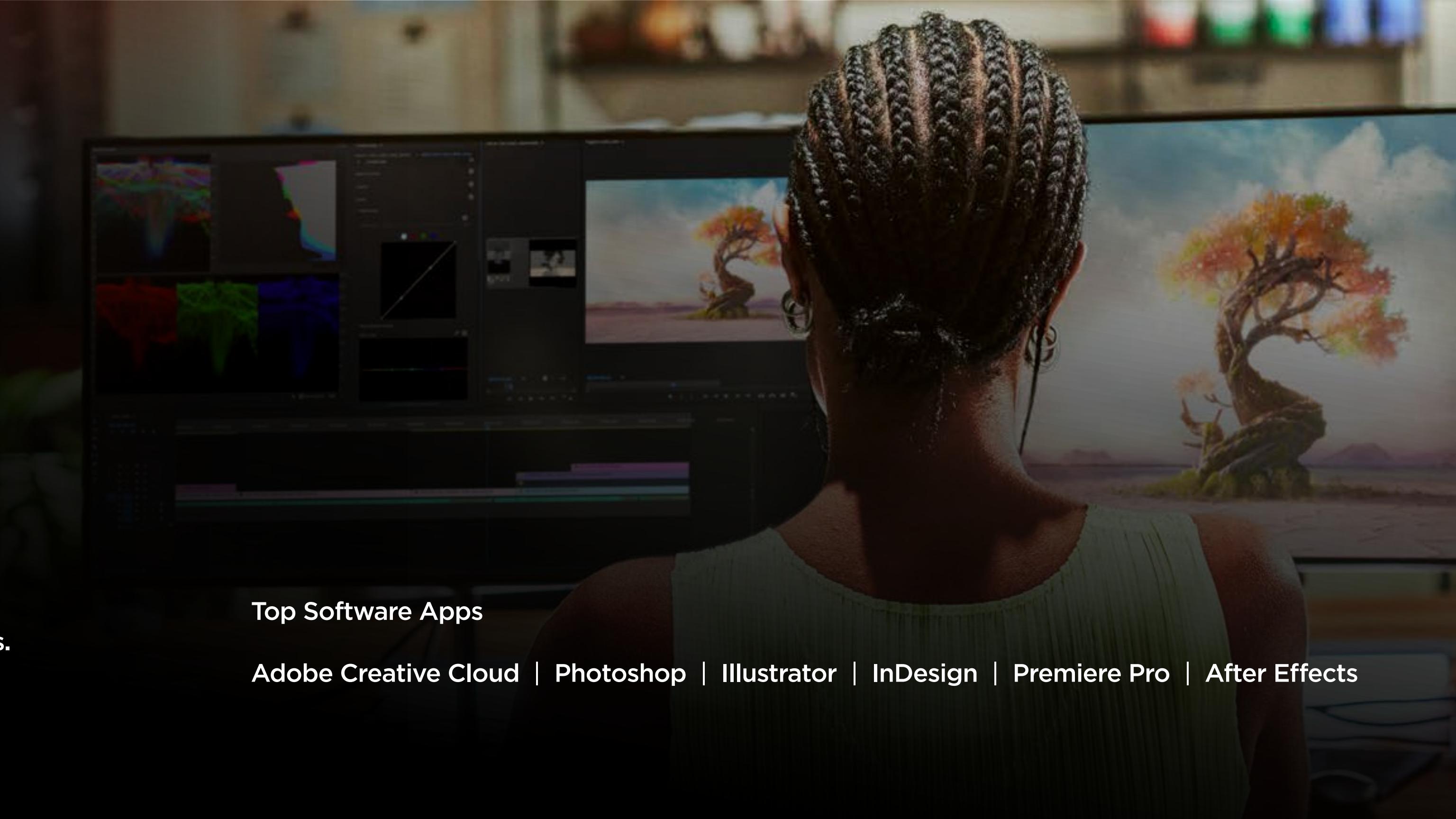
Adobe Creative Cloud | Photoshop | Illustrator | InDesign | Premiere Pro | After Effects

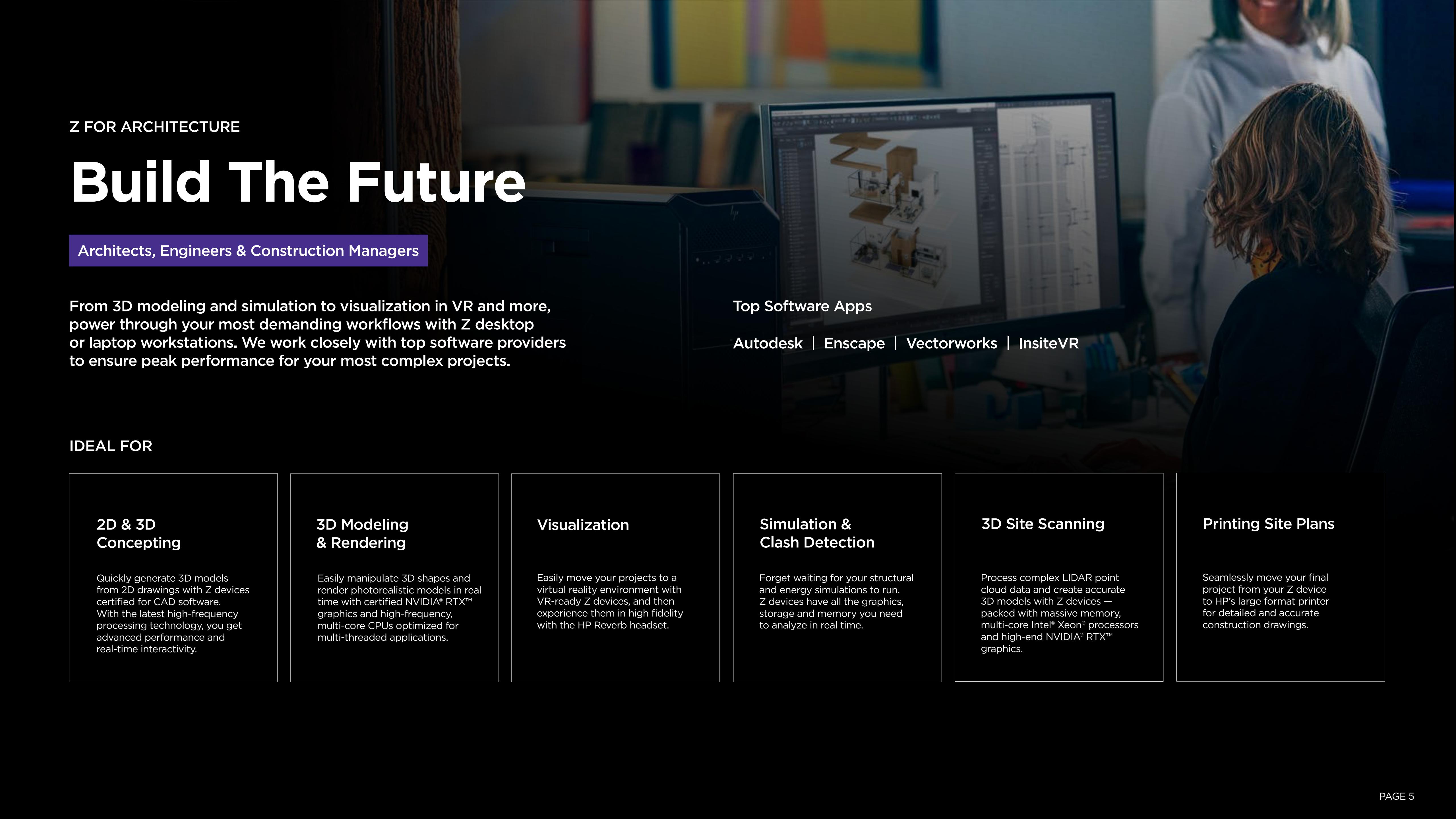
### Simulation & Clash Detection

From print layouts to typography treatments to branding projects, Z helps you iterate and design faster so you can tackle any project any way you want.

### 3D Site Scanning

The power to handle thousands of photos. The precision to hone each one to perfection. Z is specifically designed to ensure you see every detail just as you captured it, with enhanced color accuracy and image quality.



A professional woman with long dark hair is seen from behind, working at a desk. A computer monitor in front of her displays a complex 3D architectural model of a multi-story building under construction. To the left of the monitor, a portion of a black HP Z desktop tower is visible. In the background, another person's arm and shoulder are partially visible, suggesting a collaborative workspace.

Z FOR ARCHITECTURE

# Build The Future

Architects, Engineers & Construction Managers

From 3D modeling and simulation to visualization in VR and more, power through your most demanding workflows with Z desktop or laptop workstations. We work closely with top software providers to ensure peak performance for your most complex projects.

## IDEAL FOR

### 2D & 3D Concepting

Quickly generate 3D models from 2D drawings with Z devices certified for CAD software. With the latest high-frequency processing technology, you get advanced performance and real-time interactivity.

### 3D Modeling & Rendering

Easily manipulate 3D shapes and render photorealistic models in real time with certified NVIDIA® RTX™ graphics and high-frequency, multi-core CPUs optimized for multi-threaded applications.

### Visualization

Easily move your projects to a virtual reality environment with VR-ready Z devices, and then experience them in high fidelity with the HP Reverb headset.

### Top Software Apps

Autodesk | Enscape | Vectorworks | InsiteVR

### Simulation & Clash Detection

Forget waiting for your structural and energy simulations to run. Z devices have all the graphics, storage and memory you need to analyze in real time.

### 3D Site Scanning

Process complex LiDAR point cloud data and create accurate 3D models with Z devices – packed with massive memory, multi-core Intel® Xeon® processors and high-end NVIDIA® RTX™ graphics.

### Printing Site Plans

Seamlessly move your final project from your Z device to HP's large format printer for detailed and accurate construction drawings.

Z FOR MANUFACTURING

# Realize Your Vision

## Product Designers & Engineers

From 3D modeling and simulation to visualization in VR and more, power through your most demanding workflows with Z desktop or laptop workstations. We work closely with top software providers to ensure peak performance for your most complex projects.

## IDEAL FOR

### 2D & 3D Concepting

Quickly generate 2D or 3D models with Z devices. With the latest high-frequency processing technology, you get advanced performance and real-time interactivity.

### Rendering & Visualization

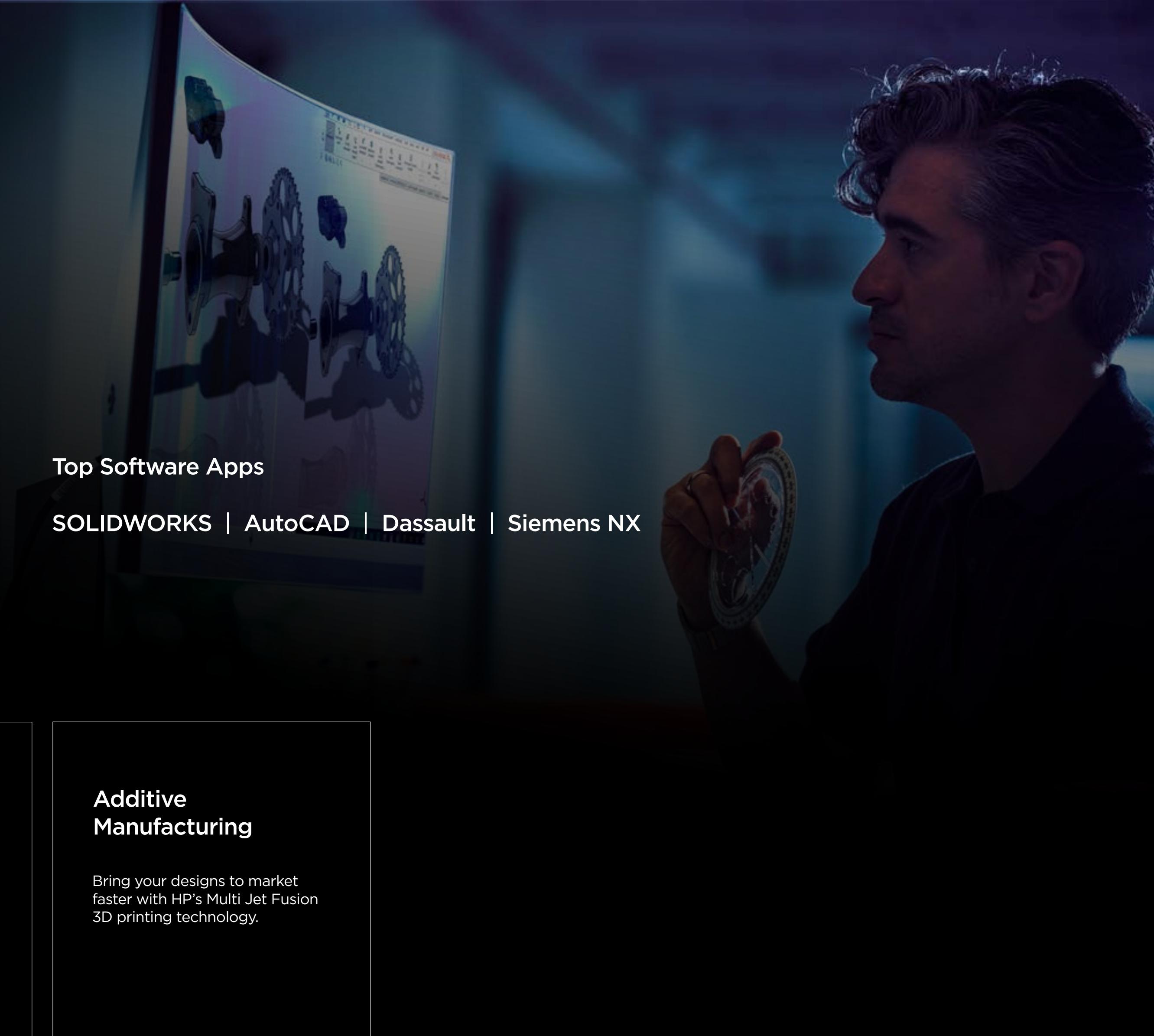
Easily manipulate 3D shapes and render photorealistic models. Move your projects to a virtual reality environment with VR-ready Z devices, and then experience them in high fidelity with the HP Reverb headset.

### Simulation

Iterate fast. Experiment more. High-frequency processing, multiple cores, and powerful GPUs help you stress test your designs before production.

### Additive Manufacturing

Bring your designs to market faster with HP's Multi Jet Fusion 3D printing technology.



Z FOR ANALYTICS & AI

# Do More With Data

## Data Scientists & Analysts

AI and data analytics are now employed for business advantage in nearly every industry segment. Get rapid results with complex data on your most challenging machine learning and data visualization projects with Z data science desktop and mobile workstations – purpose-built for this demanding work.

## IDEAL FOR

### Data Analytics

Ingest, clean, analyze, and visualize data in near real-time, providing the critical insights for your business, right when you need them.

### Machine / Deep Learning

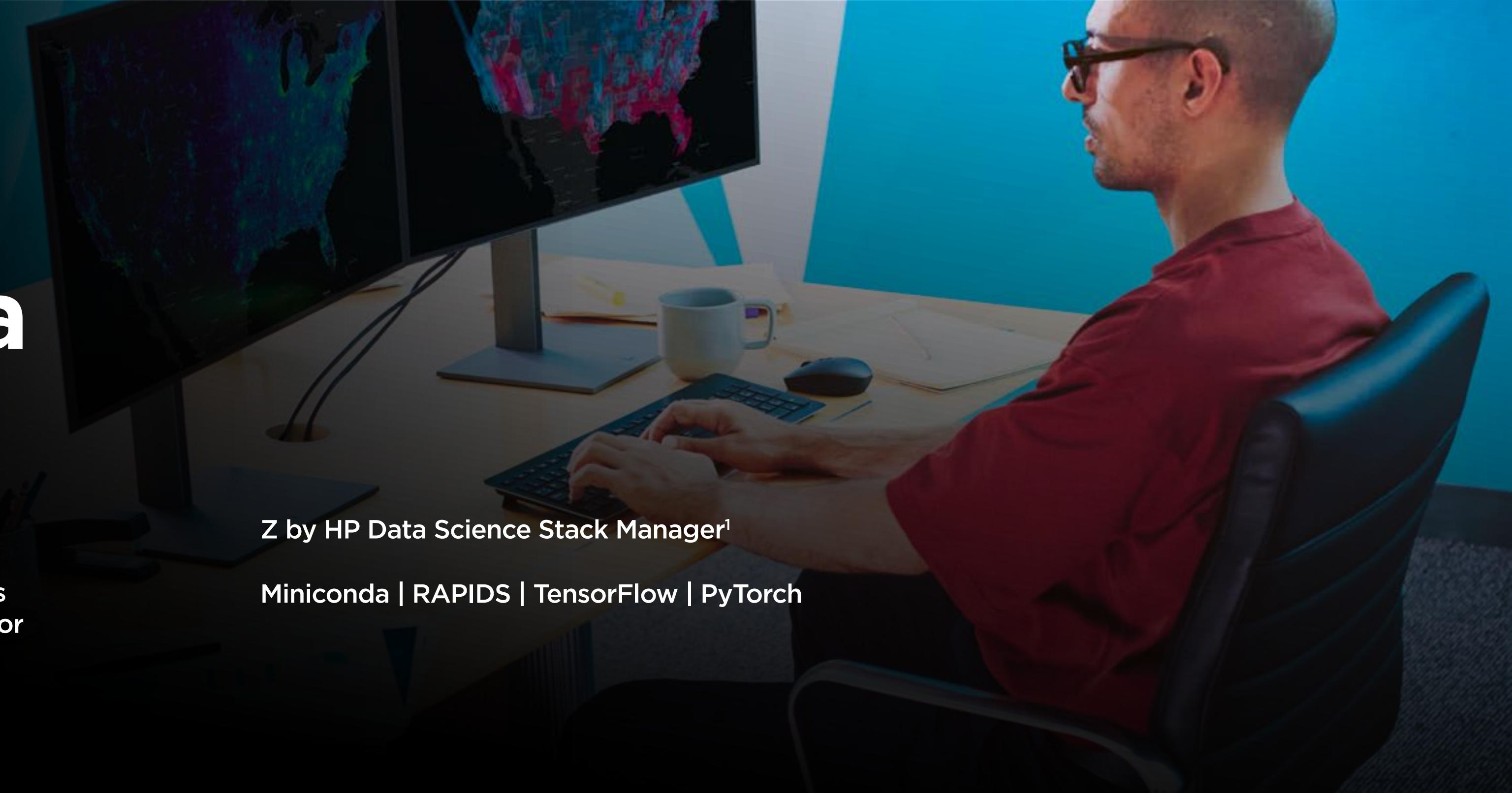
Increase inference throughput and quickly create better models by training with larger data sets and less latency.

### Computer Vision

Perform object detection, image classification, and image segmentation with speed and accuracy on large image and video files.

### Natural Language Processing

Achieve greater precision and recall for both audio and text NLP models by running more iterations and decreasing model run time.



Z FOR ANALYTICS & AI

# Fast, Accurate Insights

Built for data science right out of the box with solutions designed to get results faster.

With the Z by HP Data Science Stack Manager<sup>1</sup>, you'll have fast and convenient access to the most popular data tools and automatic updates — making it easier to customize and manage your environment.

[LEARN MORE](#)

Software

### Plug and Play



TensorFlow, Keras, PyTorch, Python, NVIDIA® RAPIDS, select packages from Intel's oneAPI AI Analytics Toolkit, and more — the tools specialized for your data science workflow, always at the ready. Count on a turnkey stack that's configured and always up-to-date.

Developer Utilities

### Crack into Code



Develop while managing your data science models with open-source utilities like Git, Docker, Visual Studio Code and CUDA that let you edit, debug, and stay secure and compliant with version control of web and cloud applications.

Cloud

### Hybrid Cloud Workflow



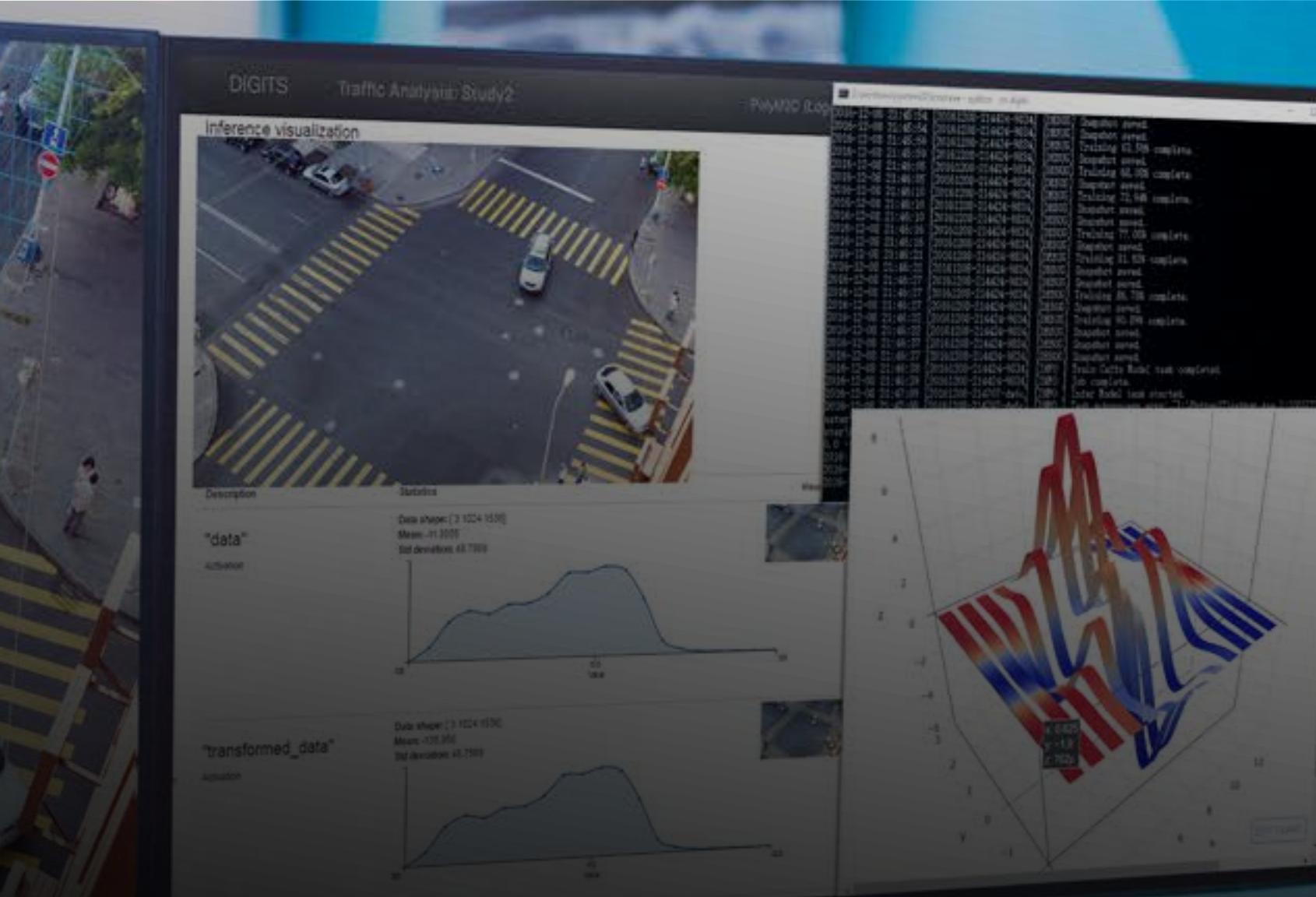
Work in the cloud? The sky's the limit for hybrid workflows with interoperability tools. Interact with both cloud and on-premise tools effortlessly from your Z data science laptop or desktop.

Operating System

### Optimize your OS



An OS for big data science workflows built in. Rely on the latest version of Ubuntu or Windows certified and pre-installed so you can perform at your best. Or, run your Linux environment directly in Windows with Windows Subsystem for Linux 2 (WSL 2<sup>2</sup>).



# Z Laptops

Mobile workstation laptops for technical and creative professionals who need ultimate performance on-the-go.

## Featuring HP Active Care

Ensure your workforce has the support they need for optimal uptime with HP Active Care, wherever work takes them<sup>3,4</sup>

## Featuring HP Accidental Damage Protection.

Make work worry-free from drops, spills or other device mishaps with HP Accidental Damage Protection.<sup>3</sup>



## ZBook Studio G10

Powerfully immersive. Perfectly sized.

Be ready when inspiration strikes. Packed with pro-performance in a sleek PC that fits in your bag, the ZBook Studio is engineered to get you in the zone and help you stay focused. Build complex models, render in real-time or crunch data, on the go.

### Specs:

- Up to Intel vPro® with 13th Gen Intel® Core™ i9 processor<sup>5,6</sup>
- Up to NVIDIA RTX™ 4000 Ada Laptop GPU or GeForce RTX™ 4080 Laptop GPU<sup>7</sup>
- Up to 4 TB storage<sup>7</sup>
- 16" diagonal

[LEARN MORE](#)

## ZBook Firefly G10

Up level performance. Not size.



Pro-level performance combines with true mobility in this sleek and powerful laptop. Stay productive with pro-grade components, AI-enhanced webcam, and a color-accurate display—everything you need to collaborate and manage projects from anywhere.<sup>40</sup>

### Specs:

- Up to Intel vPro® with 13th Gen Intel® Core™ i7 processor<sup>5,6</sup> or coming soon next gen AMD Ryzen™ PRO CPU<sup>19</sup>
- Up to NVIDIA RTX™ A500 Laptop GPU<sup>12,38</sup> or coming soon integrated AMD Radeon™ graphics<sup>7</sup>
- Up to 2 TB storage<sup>8</sup>
- 14" or 16" diagonal

[LEARN MORE](#)

## ZBook Power G10



Pro-grade performance within reach.

Pro-grade performance within reach. Upgrade to professional ZBook performance and security at an unbelievably affordable price. Power up your productivity on this durable yet premium device—delivering enhanced collaboration features and pro-grade components.

### Specs:

- Up to Intel vPro® with 13th Gen Intel® Core™ i9 processor<sup>5,6</sup> or coming soon next gen AMD Ryzen™ PRO CPU<sup>19</sup>
- Up to NVIDIA RTX™ 3000 Ada Laptop GPU or coming soon integrated AMD Radeon™ graphics<sup>7</sup>
- Up to 8 TB storage<sup>8</sup>
- 15.6" diagonal

[LEARN MORE](#)

## ZBook Fury G10



So powerful you'll forget it's a laptop.

Tackle intense workflows from anywhere with the ZBook Fury—offering a desktop class CPU in a laptop. With pro-graphics, complete color accuracy and enhanced collaboration features you can render in 3D or train machine learning models on the go.

### Specs:

- Up to Intel vPro® with 13th Gen Intel® Core™ i9 processor<sup>5,6</sup>
- Up to an NVIDIA RTX™ 5000 Ada Laptop GPU, certified for pro apps<sup>7</sup>
- Up to 12 TB storage<sup>8</sup>
- 16" diagonal

[LEARN MORE](#)

# Z Desktops



## Z2 Mini G9



The world's most powerful mini workstation.<sup>9</sup>

Get incredibly high performance packed into an insanely petite PC. With a sleek new look, it's the perfect choice for the modern workplace—at home or the office.

**Specs:**

- Up to 24 core 13th Gen Intel® Core™ - including K-Series<sup>12</sup>
- Up to NVIDIA RTX™ A2000 GPU<sup>42</sup>
- Up to 64GB DDR5-5600 MHz memory
- Up to 8TB storage<sup>8</sup>

[LEARN MORE](#)

## Z2 Tower G9



Pro-power. Today and tomorrow.

Experience a new level of performance for your professional workflow. The Z2 Tower seamlessly runs multi-threaded apps for fast rendering, simulation, and real-time ray tracing. And when demands change, you have impressive expandability to upgrade.

**Specs:**

- Up to 24 core 13th Gen Intel® Core™ including K-Series<sup>12</sup>
- Up to NVIDIA® RTX A5000 or AMD Radeon Pro W6800 GPU<sup>42</sup>
- Up to 128GB DDR5-4800 SDRAM
- Up to 48TB<sup>8</sup>

[LEARN MORE](#)

## Z2 SFF G9



Full size Z tower power at half the size.

Get all the power of a full-size tower at a fraction of the size. Re-engineered to fit full-height, full-length graphics while leaving room for upgrades and expansion, the Z2 SFF delivers high performance for your intensive workflow—now and in the future.

**Specs:**

- Up to 24 core 13th Gen Intel® Core™ including K-Series<sup>12</sup>
- Up to NVIDIA RTX™ A4000 or AMD Radeon Pro W6600 GPU<sup>42</sup>
- Up to 128GB DDR5-4400 SDRAM
- Up to 36TB<sup>8</sup>

[LEARN MORE](#)

# Z Performance Desktops

High-end desktop workstations that deliver peak performance for the world's heaviest workflows.

## Featuring HP Proactive Insights

Maximize professional productivity<sup>10</sup> with cloud-based device and application performance insights and analytics<sup>11</sup> that let IT proactively address potential issues before they disrupt work.



## Z4 G5

Our best-selling workhorse, now more powerful.

Tackle advanced workflows—from rendering and simulation to advanced video editing and massive dataset preparation. The Z4 G5 accelerates workflows across a wide range of professional apps and provides plenty of room to expand as work evolves.

### Specs:

- Up to 24-core Intel® Xeon® processor<sup>5</sup>
- Up to two NVIDIA® RTX™ A6000 GPUs<sup>42</sup>
- Up to 512GB DDR5 RAM
- Up to 76TB storage<sup>39</sup>
- Up to 1000W power supply<sup>7</sup>

[LEARN MORE](#)

## Z6 G5

### Unleash extreme graphics performance.

Accelerate your most graphics-intensive projects—from machine learning and simulation to advanced visual effects. The Z6 desktop workstation is redesigned with new, powerful single socket technology and now fits up to 3x more GPUs than the previous gen while also providing plenty of room to expand.

#### Specs:

- Up to 36-core Intel® Xeon® processor<sup>5</sup>
- Up to three NVIDIA® RTX™ A6000 GPUs<sup>42</sup>
- Up to 1TB DDR5 RAM<sup>14</sup>
- Up to 88TB storage<sup>15</sup>
- Up to 1450W power supply<sup>16</sup>



[LEARN MORE](#)

## Z8 G5



### Take on processor-intensive workloads relentlessly.

Processor-intensive workflows have met their match. The Z8 G5 offers more CPU performance than ever before, in a classic dual socket design, to accelerate rendering with real-time ray tracing, data visualization, and model training while also providing plenty of room to expand as demands change.

#### Specs:

- Up to Dual Intel® Xeon® Scalable Processors with up to 64 cores total<sup>15</sup>
- Up to two NVIDIA® RTX™ A6000 GPUs<sup>42</sup>
- Up to 1TB DDR5 RAM
- Up to 120TB storage<sup>17</sup>
- Up to 1700W power supply<sup>18</sup>

[LEARN MORE](#)

## Z8 Fury G5



### Extreme Performance. Infinite possibilities.

Experience a new echelon in high performance. Transformative single socket technology delivers extreme performance with up to 56 cores in a single CPU, to also unleash the power of up to 4 high-end GPUs. Now you can breeze through even the most complex deep learning, virtual production, and VFX.

#### Specs:

- Up to 56-core Intel® Xeon® processor<sup>5</sup>
- Up to four NVIDIA® RTX™ A6000 GPUs<sup>20</sup>
- Up to 2TB DDR5 RAM<sup>21</sup>
- Up to 120TB storage<sup>21</sup>
- Up to 2250W power supply<sup>22</sup>

[LEARN MORE](#)

# Z Monitors

Remove barriers between design and designer with meticulously crafted and color calibrated monitors and accessories.

## Featuring HP Logistics Services

Ensure that equipment arrives on your terms, delivered when, where, and how employees need it.<sup>23</sup>

[LEARN MORE](#)



**Z24m G3 QHD  
Conferencing Display**



Elevate your creative collaboration with integrated webcam, mic, speakers, and world class color accuracy.

### Specs:

- 23.8-inch diagonal
- QHD (Quad HD) 2560 x 1440
- HDR 400, P3 color gamut, Factory Color Calibrated
- USB-A 3.2, Ethernet, DisplayPort 1.4, HDMI 2.0

**Z24q G3 QHD  
Display**



Bring your ideas to life with industry leading color accuracy, HDR 400, and design optimized for hybrid work.

### Specs:

- 23.8-inch diagonal
- QHD (Quad HD) 2560 x 1440
- 90Hz Refresh Rate
- HDR 400, P3 color gamut, Factory Color Calibrated
- USB-A 3.2, Ethernet, DisplayPort 1.4, HDMI 2.0

**Z27k G3 4K USB-C  
Display**



Experience all the detail of 4K<sup>24</sup> and color consistency across multiple screens with factory color calibration.

### Specs:

- 27 inch diagonal
- 4K (Ultra HD) 3840 x 2160
- 99% sRGB, Factory color calibrated
- USB-C® (100W power delivery), HDMI, DisplayPort™ in, DisplayPort™ out, 4x USB-A



**HP Z32k G3 4K  
USB-C Display**

See ultimate potential before it's even real with the power of Thunderbolt™ 4 and IPS Black Panel Technology.

### Specs:

- 31.5-inch diagonal
- 4K (Ultra HD) 3840 x 2160
- HDR 400, 100% sRGB and 98% P3. Factory Color Calibrated
- 4 x USB-A 3.2, DisplayPort™ 1.4, DisplayPort™ 1.4-out, HDMI 2.0, Thunderbolt 4 up to 100W Power Delivery, USB-C up to 15W Power Delivery, USB-B, RJ-45

# Z Monitors

Enjoy a truly immersive experience with a Z Curved Display or the extraordinary richness and color accuracy of a DreamColor monitor.

## Featuring HP Logistics Services

Ensure that equipment arrives on your terms, delivered when, where, and how employees need it.<sup>23</sup>

[LEARN MORE](#)

### 27u G3 QHD USB-C Display

See more detail with precise Quad HD resolution and seamless one cable connection.

#### Specs:

- 27 inch diagonal
- QHD (Quad HD) 2560 x 1440
- 99% sRGB, Factory color calibrated
- USB-C® (power delivery up to 100W), DisplayPort™ 1.4 in, DisplayPort™ 1.4 out, HDMI 2.0, 4x USB-A



### Z40c G3 WUHD Curved Display



Experience extraordinary, true-to-life color and see all of your projects at once, in stunning detail.

#### Specs:

- 40 inch diagonal
- WUHD (Ultrawide 5K:2K) 5120x2160
- 99% sRGB and 98% P3, Factory Color Calibrated
- USB-C® (100W power delivery), HDMI, DisplayPort™ in, DisplayPort™ out, 4x USB-A

### Z25xs G3 QHD USB-C DreamColor Display



Create jaw-dropping visuals with 1.2 billion color<sup>25</sup>

#### Specs:

- 25 inch diagonal
- QHD (Quad HD) 2560 x 1440
- 99% sRGB and 95% DCI-P3 coverage, Factory color calibrated
- 2x USB-C® (100W power delivery), HDMI 2.0a, DisplayPort™ in, DisplayPort™ out, 3x USB-A 3.2 Gen 1

### Z27xs G3 4K USB-C DreamColor Display



Create with 1.2 billion colors<sup>25</sup> in HDR and 4K resolution.<sup>24</sup>

#### Specs:

- 27 inch diagonal
- 4K (Ultra HD) 3840 x 2160
- 99% sRGB and 95% DCI-P3 coverage, Factory color calibrated
- 2x USB C® (100W power delivery), HDMI 2.0a, DisplayPort in, DisplayPort out, 3x USB-A 3.2 Gen 1

# Z by HP Remote Access Solution



## Z by HP Desktop Workstations

Tested, optimized and certified to power complex workflows.

Whether at a user's desk or rack-mounted, Z by HP desktop workstations deliver ultimate performance for hybrid teams doing graphic-intensive work and provide the power for the Z by HP Remote Access Solution.<sup>26</sup>

With a solution<sup>26</sup> that provides 1:1 access to a workstation, users get 100% of the machine's performance—even on graphics-heavy work like 3D VFX or rendering and data visualization.

[LEARN MORE](#)

Empower a flexible, leading-edge workforce.

Free your power users to tackle compute- and graphics-intensive projects from anywhere. With Z by HP desktop workstations, paired with HP software and solutions, you can maximize your high-end computing investment for demanding, remote workflows – all developed and tested by HP.<sup>26</sup>

[LEARN MORE](#)

## HP Anyware Software

The power of Z from anywhere.

HP Anyware<sup>27</sup> is the enterprise software IT needs to keep power users productive with secured access to their workstations without a VPN. Users can remotely connect a tablet, laptop or thin client to the powerful workstation back in the office.

HP Anyware<sup>27</sup> delivers a color-accurate, low latency user experience, even under varying network connections, so your users get the same experience as if a workstation were next to them—even on graphics-heavy work.

[LEARN MORE](#)

## HP Remote System Controller

Out-of-band management for workstations

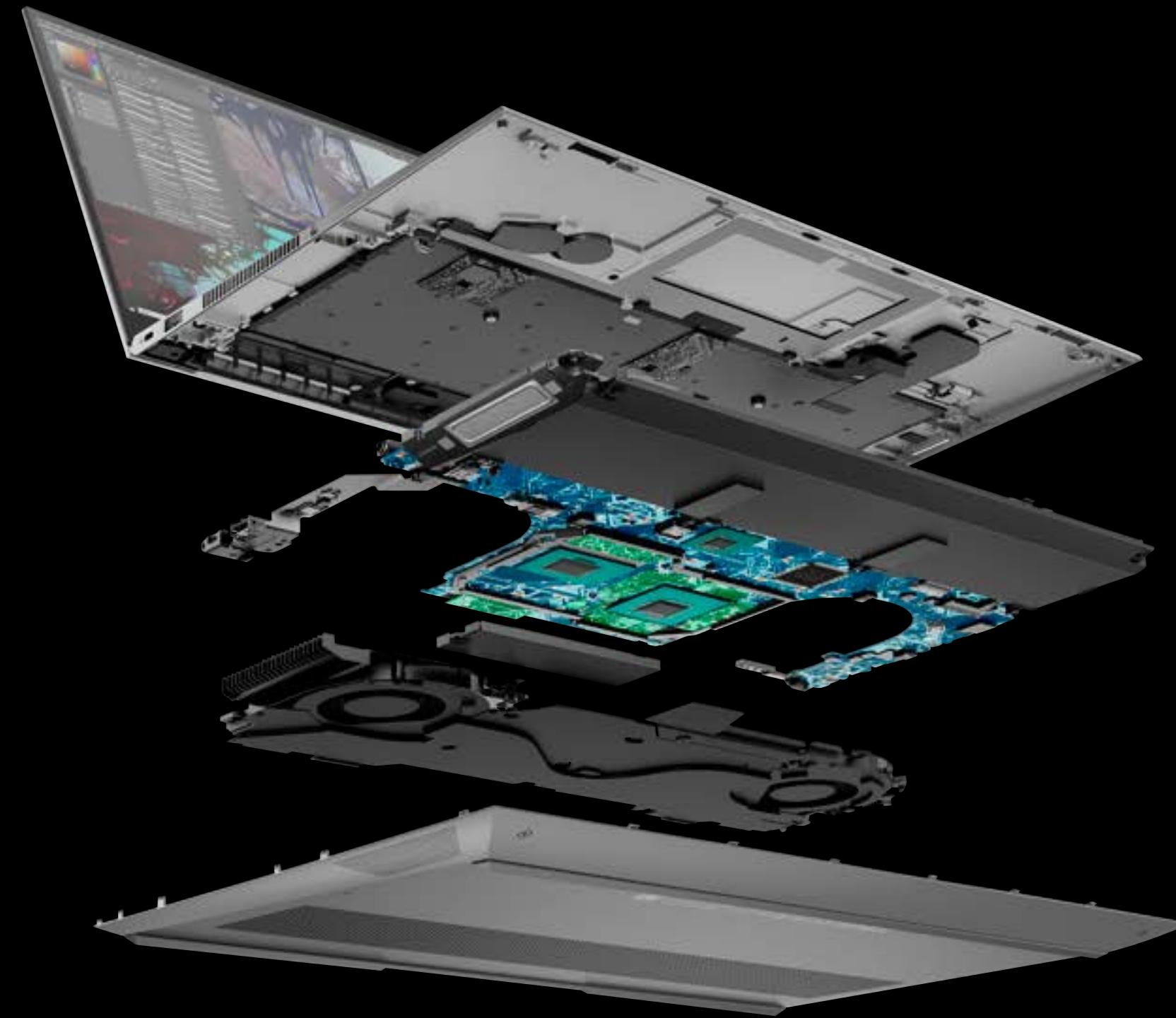
The HP Remote System Controller<sup>34</sup> is a remote out-of-band management solution that gives you the power to monitor and manage a workstation fleet without compromising control, all from a single interface.

With out-of-band management capabilities such as pre-boot access, BIOS updates, and re-imaging<sup>28</sup>, you can provide support and maintenance from anywhere.<sup>29</sup> And when paired with Z desktop workstations, you get an enhanced set of features such as direct communication with the BIOS,<sup>30</sup> direct control of power button signal,<sup>31</sup> and hardware alerts and diagnostics.<sup>32</sup>

[LEARN MORE](#)

# What Makes Z by HP Unique?

Rigorous testing and careful coordination with our software partners means our products are more reliable and fully optimized for your needs.



## ISV Certification

### Certified for a better experience.

Certification helps ensure that Z by HP's workstation hardware solution is compatible with the software products that will run on it.

HP works closely with ISVs from the beginning – both in the development of new hardware and in the design of new software or a software revision to ensure optimized performance and a high-quality user experience on both sides.

[LEARN MORE](#)

## Reliability

### Reliability first.

Work with confidence knowing all Z Workstations are tested, proven and certified by Independent Software Vendors including MIL-STD durability tests<sup>33</sup> for extreme environments and up to 360,000 hours of testing for heavy workloads.

We work alongside ISVs across both hardware development and software design so your workstation is perfectly optimized for your workflow.

Experience the power of total compatibility between your hardware and software.

[LEARN MORE](#)

# Why Choose Z by HP?

From protecting our planet with ambitious sustainability initiatives to customizable OEM solutions that span the globe, going with HP is a choice you'll always feel good about.



## OEM Solutions

Built for what you do.

With our highly configurable platforms, you can customize our hardware for your solution's exact needs.

HP operates in 170+ countries, helping to ensure every endpoint is taken care of. In addition, the three-year standard warranty<sup>35</sup> helps reduce TCO and maximize uptime.

[LEARN MORE](#)



## Sustainability

Better for people, better for the planet.

Help protect our shared future with the world's most sustainable PC portfolio.<sup>36</sup>

HP is a 2021 ENERGY STAR® Partner of the Year with 664 ENERGY STAR® certified personal systems products—more than any other manufacturer.<sup>37</sup>

We also aim to achieve net zero greenhouse gas emissions across the HP value chain by 2040.

[LEARN MORE](#)



## Security

Trust it like you engineered it.

Threats lurk everywhere and can strike at any time. With the world's most secure workstations<sup>40</sup>, you never risk compromising valuable IP because devices are hardwired with world class security features.

[LEARN MORE](#)

**DISCLAIMERS:**

1. Z by HP Data Science Stack Manager requires Windows 10 version 21H2 (Build 19044) and higher or 64-bit Ubuntu 20.04, and is available on select Z workstations.
2. WSL 2 is an optional, configurable feature. WSL 2 requires Windows 10 or higher, Intel Core i5 processor or higher, and is available on select Z workstations. You must be running Windows 10 version 21H2 and higher (Build 19044 and higher) or Windows 11.
3. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit [www.hp.com/go/cpc](http://www.hp.com/go/cpc). HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
4. Internet access with connection to Tech Pulse portal is required. For full system requirements, please visit <http://www.hpdas.com/requirements>.
5. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance. Optional feature that must be configured at purchase. For the Z8 G5, 64 cores is enabled through installation of two CPUs.
6. Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See <http://intel.com/vpro>
7. Optional feature that must be configured at purchase.
8. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB (for Windows) is reserved for system recovery software.
9. Based on HP's internal analysis of mini ISV certified workstations with >3L volume, at least 3 ISV certifications, configurable professional graphics and a dedicated workstation brand. Power based on processor, graphics, memory, and power supply as of March 2022
10. HP Proactive Insights and/or included components may vary by region, by operating system, or by authorized HP service partner. Please contact your local HP representative or authorized partner for specific details in your location. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
11. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP TechPulse follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to TechPulse portal is required. For full system requirements, please visit [hpdaas.com](http://www.hpdas.com).
12. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding, and/or naming are not measurements of higher performance.
13. NVIDIA graphics are an optional, configurable feature.
14. 1TB DDR5 memory is planned to be available by mid-2023.
15. 88TB storage is an optional, configurable feature. For storage drives, 1GB = one billion bytes; 1TB = one trillion bytes. Actual formatted capacity is less. Up to 35GB is reserved for system recovery software.
16. 1450W power supply is only available for 200V countries; 1125W is the maximum for 100V countries.
17. Storage memory is an optional, configurable feature. Two front-accessible NVMe bays require a 5.25 bay carrier. Configuration for 120TB requires separate additional purchase. For storage drives, 1GB = one billion bytes; 1TB = one trillion bytes. Actual formatted capacity is less. Up to 35GB is reserved for system recovery software.
18. 1700W power supply is only available in 200V countries.
19. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.
20. NVIDIA RTX™ A6000 and AMD Radeon™ Pro W6800 GPUs are sold separately or as an optional feature.
21. Optional, configurable features. Configurations for 2TB DDR5 RAM and 120 TB storage are planned to be available in the first half of 2023. Configuration for 120TB requires separate additional purchase. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB is reserved for system recovery software.
22. Redundant and aggregate power requires configuring two 1125W power supplies at hardware purchase.
23. Please note – not all services are available in all locations. Please speak to your HP Representative for more information.
24. 4K content required to view full 4K images.
25. Number of colors through A-FRC technology.
26. The Z by HP Remote Access Solution recommended configurations include Z by HP workstations, HP Remote System Controller, and HP Anyware software for remote access to an end point device. Network access required. HP Anyware software and licensing are available through a 1- or 3-year subscription. Renewal is required after the subscription term. HP Anyware subscriptions are based on the number of concurrent PCoIP connections used (pay for the number of host connections, not the software) with a minimum order quantity of 5. For a limited time, an HP Anyware Professional subscription also includes access and support for ZCentral Remote Boost and ZCentral Connect and is available for purchase through an HP reseller or contact sales at [hp.com/Anyware](http://hp.com/Anyware). ZCentral Remote Boost Sender requires Windows 10 and 11, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. ZCentral Connect requires Windows (10 or 11) or Windows Server (2016 or 2019) operating system, Microsoft Active Directory and Intel Active Management Technology for select features. For system requirements and to install HP Anyware and Anyware Manager, refer to the Admin Guides at: <https://docs.teradici.com/find/product/hp-anyware>. HP Anyware Remote System Controller is sold separately. Internet access required
27. HP Anyware software and licensing are available through a 1- or 3-year subscription. Renewal is required after the subscription term. HP Anyware subscriptions are based on the number of concurrent PCoIP connections used (pay for the number of host connections, not the software) with a minimum order quantity of 5. For a limited time, an HP Anyware Professional subscription also includes access and support for ZCentral Remote Boost and ZCentral Connect and is available for purchase through an HP reseller or contact sales at [hp.com/Anyware](http://hp.com/Anyware). ZCentral Remote Boost Sender requires Windows 10 and 11, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. ZCentral Connect requires Windows (10 or 11) or Windows Server (2016 or 2019) operating system, Microsoft Active Directory and Intel Active Management Technology for select features. For system requirements and to install HP Anyware and Anyware Manager, refer to the Admin Guides at: <https://docs.teradici.com/find/product/hp-anyware>.
28. Internet access required. Automation of tasks available with select Z desktop workstations, see datasheet and quickspecs for details.
29. Internet access required.
30. Viewing system information is only available when paired with select Z desktop workstations. See datasheet for details.
31. Remote Power Control feature only available when HP Anyware Remote System Controller or HP Anyware Integrated Remote System Controller is paired with select Z desktop workstations. See datasheet for details.
32. Full suite of hardware alerts available with select Z desktop workstations. See datasheet for details
33. Testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
34. HP Remote System Controller requires internet access. Automation of tasks and viewing system information only available with select Z desktop workstations, see datasheet for details. HP Integrated Remote System Controller not compatible with Z2 Mini platforms and not recommended for non-Z devices. HP service and support not available for non-Z devices. Full suite of hardware alerts available with select Z desktop workstations. See datasheet for details. HP Remote System Management must be purchased separately and is required for fleet management and viewing of consolidated reports from all devices. Planned to be available 2H of 2023.
35. Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region. On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country.
36. Applies to HP PCs, workstations and displays manufactured after January 2019. Based on most Gold and Silver EPEAT® registrations by meeting all required criteria and achieving 50-74% of the optional points for EPEAT® Silver and 75-100% of the optional points for EPEAT® Gold according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.
37. ENERGY STAR® is a registered mark owned by the U.S. government. EPEAT® is a registered trademark of Green Electronics Council. Configurations of Z Desktop Workstations with TCO Certified requires an ENERGY STAR certification and a USB type C port configured as either an add-on option or flex port selection.
38. Graphics are sold separately or as an optional feature. Two AMD Radeon™ Pro W6800 GPUs is planned to be available in the first half of 2023.
39. Optional, configurable features. Configuration for 76TB of storage and for front accessible NVME bays is planned to be available in the first half of 2023. 76TB requires after-market purchase. Two front accessible NVMe bays require a 5.25 bay carrier. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB is reserved for system recovery software.
40. Based on HP's unique and comprehensive security capabilities at no additional cost among vendors on HP Workstations with Windows and 8th Gen and higher Intel® processors or AMD Ryzen™ 4000 processors and higher.
41. Not for use in India.
42. Graphics are sold separately or as an optional feature. For the Z2 Mini, the NVIDIA® Quadro RTX™ 3000 graphics are an add-on feature that must be configured at the time of purchase. For the ZCentral 4R, the NVIDIA RTX™ A6000 is only available on the high end chassis and requires the dual slot riser which is sold separately. For the Z4 G5, two AMD Radeon™ Pro W6800 GPUs is planned to be available in the first half of 2023. For the Z6 G5, three NVIDIA RTX™ A6000 GPUs are only configurable on the 1450W power supply (in 200V countries, which does not include USA). For the Z8 G5, configuration for 2 AMD Radeon™ Pro W6800 GPUs is planned to be available in the second half of 2023.

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