

# Powering the future of AEC

How to meet the latest industry challenges with Lenovo Workstations



Smarter technology for all

Lenovo



The Architecture, Engineering and Construction sector (AEC) is a major economic driver, and key to building a better post-COVID future.

But to get there we need to address new challenges, especially around remote collaboration and project delays.



**30%**

of construction professionals in the UK and Ireland have experienced project disruption, delay or cancellation due to COVID-19<sup>1</sup>.



**44% GROWTH**

in remote working over the last five years, marking a change in working patterns that began even before recent global events.



**62%**

of employees are predicted to remain working remotely in the future.

In addition, the sector is seeing the accelerated adoption of new working methods such as generative design, advanced visualisation, reality modelling, digital fabrication, and more. **How will the industry keep pace?**



**30%**

**GROWTH**

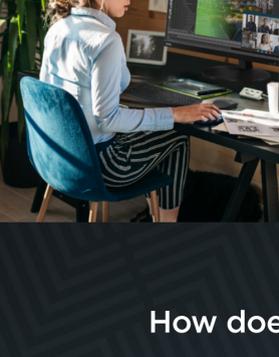
The good news is that advances in technology have fuelled a **30% growth** in remote collaboration in 2020.

Work-anywhere teams are working together seamlessly, thanks to virtualisation enabled by powerful workstations.

**1-to-1**  
OR 1-TO-MANY

Virtualisation allows a user to connect from a client workstation in a remote location, to a host workstation in the office (either on their desk or in the data centre) for **1-to-1** or **1-to-many** collaboration.

Virtual Reality/Mixed Reality brings teams together to experience designs during development. The experience is so realistic, design changes can be made in real time, reducing design cycles and the need for expensive physical prototypes.



But while communication and collaboration are essential, productivity is paramount.

Lenovo Workstations have the performance to power the most demanding specialised applications through the most complex workflows, extending what's possible with BIM.

## How does BIM help boost productivity?

**89%**

**IMPROVED**

collaboration

**84%**

**ELIMINATION**

of unnecessary work

**69%**

**REDUCE COSTS**

and material waste

**60%**

**ENGAGE**

the material supply chain earlier and help mitigate risk

Lenovo Workstations can help you take these emerging trends for the built environment from promise to practice.

Thinner, lighter and faster than ever before, Lenovo ThinkPad P Series workstations are ISV-certified to run virtually any BIM solution, and are ready to work, anywhere.



**1st**

The Lenovo ThinkStation P620 is the **first** and **only** workstation powered by AMD Ryzen™ Threadripper™ PRO and offers the highest core count of any professional workstation available today, with up to 64 cores. It's also the **first** with PCIe Gen 4 support to enable NVIDIA's latest RTX™ A6000 graphics.

**30% FASTER**

How much more productive could your teams be with workstations proven to run design tasks up to **30% faster** than high-performance PCs?



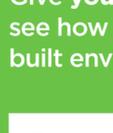
**350%**

**BETTER FOR 3D GRAPHICS**

Lenovo Workstations – from desktops and towers to mobiles – were also **350% better** for 3D graphics and **50% better** for CAD<sup>2</sup>.

**12**

Lenovo Workstations are tested to **12 rigorous MIL-SPEC standards**. They'll work, and keep working, in the toughest environments – whether that's on the construction site or production line.



**#1**

**FOR RELIABILITY**

So it's no wonder they are proven to be **#1 for reliability** and up to **20% more reliable** than their competitors.<sup>3</sup>

Give your teams the technology to meet their goals – and see how much further they can go, to deliver the new built environment.

Find out more today

<sup>1</sup> Planning, BIM & Construction Today (2020)

<sup>2</sup> Independent benchmark tests. Workstation vs PC. In the Race to Meet Design Deadlines. Which Option Wins? Cadalyst.

<sup>3</sup> TBR Repair rate report 2019

Smarter technology for all

Lenovo