



MAINTAIN QUALITY IN THE MOVE TO HYBRID WORKING

The world is changing rapidly, and architecture, engineering, and construction (AEC) professionals are tackling the biggest challenge on the planet: to redesign and redevelop our built environment to match today's demands.

This is in addition to winning new business, building a reputation, and making timely decisions. For AEC business owners, this means putting in place the tools and processes that enable teams to operate at the highest levels of quality, accuracy, and reliability.



CHALLENGE

1

How can business leaders ensure AEC professionals maintain productivity and quality while working flexibly?

49%

The proportion of AEC professionals who had no experience of home working prior to COVID lockdowns, sparking concerns over productivity and efficiency.ⁱ



CHALLENGE

2

How can business leaders help AEC professionals reduce time spent on admin and configuring technology, in order to spend more time creating quality work?

35%

The number of architects using at least one form of mixed, augmented, or virtual reality now—a way to save time and money by minimizing on-site changes and post construction remedial work.ⁱⁱ

CHALLENGE

3

AEC design professionals, engineers, and technicians working remotely may not have access to the high-performance applications available in the office, workshop, or lab. How can business leaders make sure this doesn't negatively affect the quality of their work?

30%

The number of architects that experienced communication difficulties as they adjusted to remote working, impacting efficiency, collaboration, and quality.ⁱⁱⁱ



CHALLENGE

4

Building Information Modeling (BIM), enables remote AEC teams to collaborate in real time. But translation of work to other software and hardware can lose information, reducing the quality of the work. What can business leaders do to mitigate this?

44%

Nearly half of architectural practices don't believe digital technologies help to design better buildings and places and improve client outcomes.^{iv}

CHALLENGE

5

AEC professionals rely on detailed paper blueprints, maps, and schematic drawings throughout product planning and development. How can business leaders ensure they have the reliable quality they need?

2,400 dpi

The high print resolution of HP DesignJet plotters more than meets the demands of users and is ideal for working with Adobe PostScript for architectural prints.^v



HP plotters like the HP DesignJet and PageWide XL portfolios offer supreme quality printing.

Tuned to provide the output quality you need on plain paper, HP's Bright Office Inks with unique dual ink technology provide permanent and water-resistant, pigment-based black ink^{vi} with up to 31% more line accuracy and the brightest dye-based color inks with up to 65% more gamut,^{vii} therefore delivering outstanding line quality and bright color distinction to bring out every detail. HP plotters enable you to print with precision on low-cost paper, using

a PDF reader to minimize information loss between software and print—so your work is accurate, impactful, and always high quality.

Reliable operations lead to reputational advantage, a better service to clients, and new business wins. And it's a more effective way to redesign and rebuild the schools, hospitals, homes, and workplaces the world needs for a more sustainable and equitable society.



ⁱ March 2020 Leesman, quoted in pcbtoday <https://www.pcbtoday.co.uk/news/hr-skills-news/construction-work-from-home/73470/>

ⁱⁱ 2018 RIBA and Microsoft <https://www.architecture.com/-/media/GatherContent/Digital-Transformation-in-Architecture/Additional-Documents/MicrosoftRIBADigitalTransformationreportfinal180629pdf.pdf>

ⁱⁱⁱ <https://www.riba.com/intelligence/covid-19-riba-survey-acute-phase-march>

^{iv} 2018 RIBA and Microsoft <https://www.architecture.com/-/media/GatherContent/Digital-Transformation-in-Architecture/Additional-Documents/MicrosoftRIBADigitalTransformationreportfinal180629pdf.pdf>

^v <https://www.hp.com/uk/en/printers/large-format/designjet-t600-plotter.html>

^{vi} Tests conducted by Wilhelm Imaging Research, Inc. for HP Inc. indicate that documents printed with HP pigment-based black and pigment-based color inks printed on HP Bright White Inkjet Paper stored in the dark will achieve WIR Dark Storage Permanence Ratings of "Greater Than 200 Years."

^{vii} Up to 31% more-line accuracy based on HP internal testing, September 2019 of 1 pixel vertical line straightness comparing prints from the HP DesignJet Studio/T600/T200 Printer series and Canon TM-305 Printer on plain paper using equivalent fast/draft print modes. Up to 65% more color gamut based on HP internal testing, September 2019, of gamut volume comparing prints from the HP DesignJet Studio/T600/T200 Printer series and Canon TM-305 Printer on Océ 75gsm plain paper using equivalent fast/draft print modes.

