

Mott MacDonald launches collaborative design and construction VR tool Rehearsive

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Mott MacDonald has launched Rehearsive, a new virtual reality (VR) and desktop product that helps users rehearse their construction and operational processes ahead of time, unlocking safer, buildable design. It allows infrastructure designers and operators to walk through construction scenarios with their team and delivery partners in VR and desktop, no matter their location. The launch follows a successful three-month beta test with 250 volunteers from across the UK infrastructure sector.

With easy access whether from a laptop computer or a VR headset, Rehearsive integrates with existing 3D workflows and BIM models, bringing together a diverse range of knowledge and skills into one interactive, collaborative VR project environment. Multiplayer delivers voice chat and a shared immersive experience, with remote collaboration helping deliver a more efficient and safer project, with potential carbon savings.

Rehearsive adds value to design review gateways by showing how design decisions impact operations on site, enabling risks to be mitigated ahead of time. It also makes design reviews easier leading to quicker stakeholder understanding.

Offering potential savings of up to 15% on capital delivery budget, Rehearsive supports design for manufacture and assembly by providing a live, interactive environment where designers and contractors can rehearse different site-based delivery and assembly activities during the design stage.

Andrew Zhao, Mott MacDonald's head of immersive technologies said: "Rehearsive allows users to make the most of opportunities created through remote working. With so many people currently working remotely, it is set to prove its worth even more by boosting productivity as the industry recovers. Those who have recognised the efficiency benefits gained by using this technology will be at an advantage."

"Our successful beta period allowed us to take the positive feedback from testers and use it to drive the product to be even more usable and intuitive, developing a better market fit. Our beta testers felt features such as the object library, that makes sequence testing and review straightforward, provide much needed simplicity in an increasingly complex world of software applications."

Rehearsive is one of the solutions hosted on Moata, Mott MacDonald's digital twin platform, which uses the power of data to solve today's most pressing infrastructure problems across the asset life cycle. Moata is open, secure, scalable and adaptable, delivering predictive power in a geospatial context through advanced analytics and machine learning.

Photo credit: Mott MacDonald