

iLab interview Description

Year in Infrastructure and Going Digital Awards, Greg Demchak

We are thrilled to announce a new project from the iLab: an immersive digital twin experience of Singapore, powered by iTwin technology. This remarkable experience will allow multiple users to explore a highly accurate digital representation of Singapore's cityscape, focusing on data in the realm of infrastructure, such as energy, water, transportation, construction, and nature. By combining BIM, reality capture, real-time data, and other data streams, it is possible to explore valuable insights into the current status and future potential of Singapore's infrastructure. This demo invites stakeholders to imagine how they can leverage digital twin platforms to analyze, predict, and innovate to achieve the sustainability goals set out by Singapore.

This project goes beyond mere visualization. It brings context to a roadmap for a sustainable future, aligning with Singapore's reputation as a global leader in urban planning and sustainable living. The digital twin's rendering of the energy, water management system, transportation networks, and construction projects not only showcases where technological advancement is taking place, but also opens the door for enhanced collaboration, efficiency, and informed decision-making. We invite you to see a vision of the future, where urban living and technological prowess harmonize to create a world that is not only efficient but also resilient and sustainable.