

Adopting digital delivery has become an imperative as transportation owners and their supply chains look to increase safety, while optimizing networks for efficiency and quality. Digital twins enhance capacity and throughput and serve as the essential link for improving asset performance.

This breakout session will share how Bentley is helping transportation infrastructure owners connect people and better leverage data to achieve greater awareness and collaboration to relieve industry pressures.

Who you'll hear from:

- Bibhuti Aryal, director, transportation, Bentley Systems
- Alan Esguerra, industry strategist, transportation, Bentley Systems
- Julianne Fuda, director of structure designs bureau, New York State Department of Transportation (NYSDOT)
- Bruce Irwin, vice president and chief technology officer, Parsons Engineering
- Andy Kaiyala, vice president of construction technology and controls, WSB

Questions you'll have answered:

- What does digital delivery mean for the transportation sector?
- What is the potential of connected, intelligent transportation infrastructure and how are state DOTs moving in this direction?
- What are examples of successful digital delivery in the transportation sector?
- What steps are needed to harness the power of data and information throughout the entire asset lifecycle?
- How do you envision artificial intelligence shaping the future of your workforces?

What you'll learn:

- Transportation infrastructure connects us all, which is why maintaining aging infrastructure is critically important.
- Infrastructure and the professionals responsible for designing, building, and operating it are under pressure from growing demand, limited resources, climate change, and more.
- NYSDOT, Parsons, and WSB are using digital twins to transform how they design, build, and operate transportation infrastructure.
- Software companies are helping transportation infrastructure owners recognize digital delivery as a natural steppingstone to creating digital twins, which provide safer, more efficient construction and utilize existing data for valuable insights and preventive intervention during operations.
- Open, AI-powered digital twins help infrastructure professionals collaborate and bring together engineering, enterprise, and operational data, above and below ground, in a geospatial context and at scale, to improve infrastructure delivery and performance across the lifecycle.

Interesting facts:

- By 2040, there will be a global need for nearly \$50 trillion in transportation investments to keep pace with rapid population growth and sustainable economic development.
- The transportation sector accounts for 25% of global CO2 emissions.
- Over 20% of Australia's qualified engineers are not in the labor force; 25,000 of Australia's engineers are expected to retire in the next five years.
- Today, 55% of the world's population lives in urban areas. This proportion is expected to increase to 68% by 2050.
- In the US alone, the Bureau of Labor Statistics projects a need for 25,000 new civil engineers a year over the next decade.

For more information, please contact Bentley PR at PR@news.bentley.com.