Year in Infrastructure 2020 Awards – Finalist Presentations
Join us for an exclusive revealing of The Year in Infrastructure Finalist projects, as told by the infrastructure professionals who made each of them possible. Presentations in all 19 categories begin live on October 5, and will continue to be available on-demand leading up to the Year in Infrastructure Awards ceremony on October 21.

Executive Perspective: Digital Twins for Infrastructure Resilience
Join Greg Bentley, CEO of Bentley Systems, as he shares his insights about the advancements in infrastructure engineering software and cloud services and how they are empowering infrastructure professionals to design, build, and operate infrastructure that is more economically and environmentally sustainable. Greg will introduce three new Bentley executives, who each will also share their perspective. Hear from Chris Bradshaw, Chief Marketing Officer; Nicholas Cumins, Chief Product Officer, and Katriona Lord-Levins, Chief Success Officer.

Finally, Greg will be joined by Satya Nadella, Chief Executive Officer of Microsoft, for an interactive discussion on the challenges we face in infrastructure and how leading technology vendors will collaborate to meet those challenges through digital innovation.

TwinTalks Series Premiere
Infrastructure digital twins are front and center at this year’s event. Join leading industry and business figures as they moderate six sector-specific TwinTalks. Listen to interactive Panel Discussions during each one and discover the fascinating opportunities that digital twins introduce for these critical infrastructure sectors.
TwinTalks: Design and Construction
Digital applications and workflows are helping project delivery teams make vast improvement in project performance and the quality of project outcomes. Organizations that are quick to embrace these solutions will have a competitive advantage. Each of these virtual TwinTalks sessions bring together global experts from across the infrastructure community to explore and challenge the evolving world of data-driven, multidiscipline design and construction. These sessions feature insightful discussions on current successes and future strategies to help you advance beyond BIM and unlock the business value of digital twins.

Change the Game for Project Execution by Linking Design and Construction in Early Planning
Moderator: Antony Oliver, Editorial Consultant, Antony Oliver Consulting

Few project stakeholders enter a job without investing in solutions that produce a high-quality design that boosts outcomes for the owner, enhances architectural expression, or increases building performance. Yet, the reality is the design is often not closely monitored on projects. Listen as the panel discusses the challenges and advantages to designing with construction in mind, including using the design model to provide construction insight, and the value of information reuse during construction.

Panel Discussion: Design with Construction in Mind: Advancements that Enable Successful Construction

Panelists:
- Kevin Stovkis, Partner at McKinsey & Company
- Blaine Buenger, Senior Technology Manager, Foth Infrastructure and Environment
- Michal Wojtak, Director of Integrated Construction, Mortenson Construction
- Ken Adamson, Vice President of Design Integration, Bentley Systems
Tuesday, October 20th

**TwinTalks: Digital Cities**

Cities are digitally advancing to prepare for post-pandemic changes and create thriving and resilient organizations. Join Peggy Smedley as she explores digital twins with industry leaders and learn what early innovators are doing to create greater efficiencies, improve insights and decisions, and accelerate smart initiatives in a post-pandemic world. Hear how users create digital twins to automate project planning and visualization, and deploy information-rich environments across engineering, operations, and maintenance for smarter cities, utilities, and campuses.

**Innovate with Digital Twins at City Scale**

*Moderator: Peggy Smedley, Editorial Director Constructech and President Specialty Publishing*

A digital city is one that is becoming data driven. Those with smart-city initiatives are investing in cloud access and open initiatives, and exploring digital twins and IoT to improve infrastructure and deliver services. Join the discussion on smart city services and innovation with digital twins. Consider the technology, process, and cultural changes that are required to support the digital advancement necessary for resilient and thriving cities.

**Opening:** Deploying Digital twins at city scale - Robert Mankowski, Senior Vice President, Digital Cities, Bentley Systems

**Interview:** Dublin’s Digital Twin: Smart City Initiatives Drive Planning and Project Collaboration

- Jamie Cudden, Smart City Program Manager, Chief Executive’s Office, Dublin City Council

**Spotlight on Innovation:**

- City of Helsinki, Finland Showcases How Helsinki 3D+ and Digital Twin Workflows
- City of Porto, Portugal Highlights the city’s Innovation Initiatives

**Panel Discussion:** Dublin City Digital Twin Project

**Panelists**

- Jamie Cudden, Smart City Program Manager, Chief Executive’s Office, Dublin City Council
- Kirsten Walker, Principal Program Manager, Azure IoT Engineering, Microsoft
- Ton de Vries, Senior Director, Business Development, Bentley Systems

**Closing Remarks:** Peggy Smedley
TwinTalks: Roads and Bridges
Infrastructure digital twins will be front and center at this year’s event. Join Brian Budzynski as he moderates the Roads and Bridges TwinTalk. Listen to interactive panel discussions with leading industry and business leaders and discover the fascinating opportunities that digital twins introduce for this and other critical infrastructure sectors.

Digital Twins in Roads and Bridges
Moderator: Brian Budzynski, Senior Managing Editor, Roads & Bridges Magazine

Industry experts discuss the importance of digital twins for roads and bridges including how to improve design, visually enhance collaboration, and increase asset reliability and performance.

Opening: Overview and Setting the Vision with Brian Budzynski

Spotlight on Digital Advancement:
- Pan Borneo Showcases Digital Twins from Concept to Completion on Malaysia Roads

Interview: AECOM Discusses Digital transformation and Digital Twins
- Kevin Cornish, SVP Design Consulting Services, Surface Transportation

Spotlight on Digital Advancement:
- Italferr Showcases: Digital Twins Workflows for Bridge Design

Panel Discussion: Digital Twins in Roads and Bridges Projects

Panelists
- Alexa Mitchell, PE, Highways and Roads BIM Director HDR
- George Lukes, State Standards and Design Engineer, Utah DOT
Tuesday, October 20th

**TwinTalks: Digital Plant**
Explore digital transformation topics including how digital twins are advancing asset performance in plants. Monica Schnitger leads informative discussions on how digitalization is playing a key role as a strategy for business transformation and sustainability. Listen as experts weigh in on the use of digital twins to make operations safer, more reliable and resilient, and significantly more efficient.

**Think Big, Prove Small, Scale Fast! How Digital Twins Can Transform Operations for Whole Life Value**
*Moderator: Monica Schnitger, Independent Analyst, Schnitger Corp.*

From project conception in the early design phase through to handover and delivery into operations and beyond, digital twins are modernizing the day-to-day operation at Shell with improved data-driven decision-making in an open, connected data environment. Listen to one-on-one interviews with Shell leaders, then get viewpoints and perspectives from the panel.

**Interviews and Panel Discussion: Digital Twin Perspectives**

**Panelists**
- Josh Etkind, GOM Digital Transformation Manager, Shell Deepwater
- Shaun Barclay, Asset Information Manager, Shell QGC
- Alistair Stubbs, Vice President, Asset Performance, Bentley Systems
TwinTalks: Energy Utilities
Utilities are dealing with multiple business challenges around sustainability, resilience, and decentralization. Facing increased pressure to optimize the performance of existing assets, coupled with the need to modernize the grid for the future, utility owner-operators are embracing digital twin workflows, as they look to gain or retain competitive advantage – all while ensuring minimum disruption to existing operations. Terrence O’Hanlon explores how digital twins provide insights to the physical and digital environment of utility assets to deliver real-time simulations and analysis as well as richer, immersive experiences for faster and more-informed decision-making.

Digital Twins: Why Every Utility Should Take Note
Moderator: Terrence O’Hanlon, Chief Asset Manager, Reliabilityweb

Understand how leading utilities will modernize the grid and become data-driven grid operators by advancing digitally. Listen as experts weigh in on the abundance of data, both at the central and decentralized level. Explore the common barriers to implementing digital twins, as well as the potential benefits of leveraging all available data in a digital workflow to make confident decisions and optimize efficiency.

Opening: Introduction and Context Setting

Interview: Reliability Leadership in Utilities
- Scott Alford, Predictive Maintenance Supervisor and CRL Trainer at Arizona Public Service

Panel Discussion: Why Utilities Need an “Evergreen” Digital Twin to Gain Competitive Advantage

Panelists
- Vonnie Smith, Vice President, Energy Infrastructure, Bentley Systems
- Martin Runge, Head of Innovation, Portfolio and Partnerships, Siemens Digital Grid
- Stephen Cooper, EAM Advisor, Gainesville Regional Utilities

Closing Remarks: Terrence O’Hanlon
Tuesday, October 20th

**TwinTalks: Rail and Transit**
Population growth, rapid urbanization, and a need to address global warming all cement rail and transit’s position as the fastest-growing transportation sector. Rail and transit owner operators are constantly challenged to find new and innovative ways to increase capacity and reliability in the face of tighter budgets and shorter deadlines. Digital solutions – including the utilization of digital twins to optimize performance across the asset lifecycle – hold the key to future success. Join Mischa Wanek-Libman in these TwinTalks sessions, which include interviews and Panel Discussions that draw on real-life experience and industry best practices. The Year in Infrastructure 2020 Rail and Transit TwinTalks provide a unique opportunity to listen and learn how industry leaders are using digital twins today for a better tomorrow.

**Digital Twins: Vision and Reality**
* Moderator: Mischa Wanek-Libman, Executive Editor, Mass Transit Magazine

Engage with a panel of rail and transit experts in this opening session and consider how digital twins are affecting the entire lifecycle of design to construction to operations and maintenance in rail and transit.

**Opening: Overview**

**Interview: Digital Twins: Current and Future Direction**
- Dan Vogen, VP Transportation Asset Performance, Bentley Systems

**Interview: Digital Twins Drive Linear Analysis for Insights**
- David Kraft, Senior Director - Enterprise Asset Management Program Delivery, New York Metropolitan Transportation Authority (MTA)

**Panel Discussion: Digital Twins Provide Insights in Rail and Transit from Planning through Performance**

**Panelists**
- Dr. Payam Amini, Director Digital Transformation, Siemens Mobility
- Eve Machol, Transportation Industry Lead; Business Applications, Data Analytics and AI, Microsoft
- David Kraft, Senior Director - Enterprise Asset Management Program Delivery, New York Metropolitan Transportation Authority (MTA)
- Dan Vogen, Vice President Transportation Asset Performance, Bentley Systems

**Closing Remarks: Mischa Wanek-Libman**
Executive Perspectives: Digital Twins
As was the case with BIM almost 20 years ago, digital twins are now reshaping how infrastructure is designed, constructed, and operated. The volume of data, as well as managing constant and dynamic change, is simply overwhelming for infrastructure professionals, whether in project delivery or operations. Bentley has worked closely with many leading players in the infrastructure community and, with their collaboration, we have built a platform to bring project and asset data together to support all stages of an infrastructure asset’s lifecycle. Join Bentley’s Chief Technology Officer Keith Bentley and Chief Product Officer Nicholas Cumins in a conversation about how data accessibility, data interoperability, and open standards underpin the shift to digital twins. Learn how leading design and construction firms, along with owner-operators, are leveraging digital twins, and the new business model opportunities that are emerging. Find out how your organization can take advantage of this once-in-a-decade opportunity.

Digital Twins: Making the Business Case for Digital Twins
Already, leading organizations are successfully deploying digital twins for project delivery and asset performance. Hear how our users have made compelling and successful business cases for investment in digital twin technologies and processes. Learn how Bentley is leveraging the iTwin platform and how it can help you to solve both your organization’s and your customer’s challenges, as well as help you gain better insight into your project and asset performance. Bentley’s Vice President, Business Development Adam Klatzkin and Strategic Director Richard Cooper will show you how the pieces fit together and guide you step by step through a modular, phased approach that will lead to long-lasting value. And if you have already set out on the path to digital twins, you will discover how to take control and get to where you want to be faster.

Digital Twins Showcase: Twinfracture! Twinnovation!
Digital twins have become possible due to the convergence of engineering technology, information technology, and operations technology. In this exciting and inspiring session, Bentley’s iTwin Innovation Lab Director Greg Demchak, Digital Integrator Mehreen Javaid, and Business Development Director Sanjeev Shah will showcase some practical and innovative applications of digital twins by leading organizations like HS2, Tesla, and NOV. Find out how to combine BIM, GIS, and EAM data into a single view of truth. Learn how mixed reality (XR) helps visualize engineering change to understand the past, control the present, and simulate the future. See how to implement remote inspection and remote assist digital workflows. No BIM? No problem! Discover how to create digital twins of existing operating assets from PDFs and drone surveys using machine learning.

Year in Infrastructure Awards Ceremony
After careful deliberation by independent expert juries, the winners of the 2020 Year in Infrastructure Awards will be announced in our live global broadcast. Don’t miss what has been called the “Academy Awards of Infrastructure”.
**ACCELERATE Keynote - Digital Cities**
Join Robert Mankowski and Bentley’s digital cities leadership team as they discuss the latest digital twin technology advancements for increasing the sustainability, resiliency, and quality of life within campuses, cities, and regions. Learn how the capabilities and innovations of Bentley’s extensive portfolio of water infrastructure, geospatial, geotechnical, mobility, and reality modeling solutions are advancing urban infrastructure around the world. This session will highlight real-world implementations of city-scale digital twins that help organizations improve operations, build resiliency, plan for the future, and connect citizens and businesses in innovative ways.

**ACCELERATE Keynote - Project Delivery**
Join Dustin Parkman as he discusses how Bentley’s open and connected digital twin solutions enable you to improve decision-making and optimize business outcomes. These solutions help you quantify and qualify change, while, at the same time, identify unforeseen risks and create sustainable value for owners when the asset is in use. Learn how Bentley’s solutions enhance digital workflows with ProjectWise, SYNCHRO 4D, and Business Collaborator (BC), Bentley’s newest offering for project delivery.

**ACCELERATE Keynote - Asset and Network Performance**
Organizations in asset-intensive industries are struggling to reduce operational costs, de-risk, and optimize major decisions. Accelerating the pace of digital advancement is the solution. Join Alan Kiraly and his leadership team to discover how Bentley enables organizations to think big, prove small, and scale fast by implementing open and connected digital twin solutions. Learn how Bentley users comply with regulations, ensure safety and environmental integrity, increase reliability and resiliency, and lower total cost of asset ownership by effectively digitalizing asset and network performance business processes. Don’t miss the latest innovations from Bentley that can optimize operations and maintenance.

**ACCELERATE Keynote - Design Integration**
Join Ken Adamson and Bentley’s design integration leadership team as they investigate how infrastructure companies are leveraging digital twins to add value to their operations. Learn how to use Bentley's comprehensive and unique open modeling and open simulation applications to easily create digital twins. These solutions can help you solve complex engineering challenges, design safer and more resilient infrastructure, and collaborate with other project team members and stakeholders. This session will demystify digital twins, provide you with real-world project insights, and give you the confidence to start your own digital twin strategy.
Are you using Bentley applications or responsible for sharing knowledge on the best applications for infrastructure projects? Starting October 28, attend our ACCELERATE sessions to learn more about the technology today’s industry professionals are using to plan, design, build, and deliver infrastructure projects around the globe. Our ACCELERATE sessions are led by product experts who will illustrate the latest enhancements, capabilities, and uses of our leading products. Get the knowledge you need to help you move ahead and connect with peers to build your skills, learn about new product features, and make the most out of the tools you use.

Infrastructure digital twins are front and center at this year’s event. Join Bentley for the second and third installments of our TwinTalks' series as we explore the implications of digital twins for Digital Cities, Design and Construction, Digital Plants, Energy Utilities, Rail and Transit, and Roads and Bridges. Listen to interactive Panel Discussions with leading industry and business leaders and discover the fascinating opportunities that digital twins introduce for each of these critical infrastructure sectors.

Session descriptions listed on the subsequent pages.
Optimize Your Digital Strategy to Maximize Productivity: Mott MacDonald Shares Lessons Learned
Moderator: Antony Oliver, Editorial Consultant, Antony Oliver Consulting

Productivity growth in construction lags far behind that of other sectors, and the under-investment in technology and training is reaching a critical point with the industry. Join Richard Shennan, Mott MacDonald’s digital business development director, to learn how Mott MacDonald is going digital with Bentley applications.

Interviews: The role of technology for shaping the future of infrastructure
- Richard Shennan, Group Digital Business Development Director, Mott MacDonald
- Richard Humphrey, Vice President, Construction Product Management, Bentley Systems

The Value of Asset Performance Management and the Digital Twin – Unplugged!
Moderator: Monica Schnitger, Independent Analyst, Schnitger Corp.

What does it take today to sustain improvements in asset performance, reliability, and safety? Hear about impactful project implementations of asset performance management and digital twin solutions and learn about critical success factors for managing assets in plants and industrial sites.

Interview: Award-winning digital twin implementations to advance asset performance
- Pierre DeWet, Vice President and General Manager, Cohesive Asset Performance, highlights what has worked and not worked in his vast experience in the industry

Panel Discussion: Leaders from recent asset performance improvement projects discuss what made the difference between success and failure on the journey to operational excellence.

Panelists:
- Ghislain Bisson, Reliability Manager, Glencore
- Daniel England, Plant Manager, Severn Power
- Utkarsh Vijayvargia, Senior Petroleum Engineer, Cairn Vedanta
Wednesday, November 4th

**Reality Modeling in Roads and Bridges**

**Moderator:** Brian Budzynski, Senior Managing Editor, Roads & Bridges Magazine

In this session, consider best practices in the capture and use of reality modeling to support roads and bridges design, construction and operational workflows. Learn how reality modeling can accelerate road designs with digital context and discuss lessons learned and key takeaways.

**Opening:** Overview and Setting the Vision – Moderator, Brian Budzynski

**Panel Discussion:** Reality Modeling

**Panelists**
- Matt Taylor, Alabama Department of Transportation
- Travis Long, West Virginia Department of Transportation
- Peter Bonne, Senior Director, 3D Mapping, Bentley Systems

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**TwinTalks: Energy Utilities**

**Digital Twins: Key Success Factors for an Effective Digital Twin Strategy**

**Moderator:** Terrence O’Hanlon, Chief Asset Manager, Reliabilityweb

Gain insight into the critical success factors necessary for efficiently initiating and scaling a digital twin strategy in a utility. Listen as senior executives and industry leaders provide diverse perspectives on their strategies.

**Interview:** Digital Twins Strategy at Dominion Energy
- Glenn Kelly, Director - Strategic Planning, Dominion Energy

**Panel Discussion:** Translating Digital Twin Strategy into Tactical Action

**Panelists:**
- Jim Taylor, Vice President, Digital Grid Business Solutions, Siemens Industry, Inc.
- John Villali, Research Director, IDC Energy Insights
- Vonnie Smith, Vice President, Energy Infrastructure, Bentley Systems

**Closing Remarks:** Terry O’Hanlon
The Smart Water Utility: Deploy Digital Twins across the Utility Lifecycle

Moderator: Peggy Smedley, Editorial Director Constructech and President Specialty Publishing

Water utilities continue to invest in operations and maintenance, asset management, and customer experience. Although investment in smart technologies (sensors, automated meters) is an effort to advance the utility, it can create data challenges. Utilities need a way to use data effectively to address business issues and improve decisions and become more resilient and responsive. Listen to industry leaders discuss innovation and digital advancement, across people, processes, and technology.

Opening: The Value of Digital Twins in Water Utility Operations - Gregg Herrin, VF Water Infrastructure, Bentley Systems

Spotlight on Innovation: An Overview of the Digital Twin Deployment at Águas do Porto

Panel Discussion: Digital Twins in Water Utility Operations: Managing Change for Digital Advancement across People, Processes, and Technologies

Panelists
- Jim Chelius, Director of Asset Planning, American Water
- Pedro Viera, IT and Innovation Director, Águas do Porto
- Eric Bindler, Research Director, Bluefield Research

Closing Remarks: Peggy Smedley

Digital Twins: The Project Perspective

Moderator: Mischa Wanek-Libman, Executive Editor, Mass Transit Magazine

In this session focused on rail and transit projects, listen as industry experts discuss how they leverage the vision for digital twins and focus on their use and benefits in project delivery for successful design and construction.

Opening: Overview

Interview: A Perspective on Digital Twins in Rail in Design and Construction

- Ian Rosam, Director Product Management for Rail, Bentley Systems

Panel Discussion: Extending the Discussion on Digital Twins in Design and Construction

Panelists
- Kevin Reeves, Director of IoT and Digital Twin, Costain Group PLC
- Adam Horn, Civil Integrated Solutions – Team Leader, Technology Solutions Center, HNTB
- Ian Rosam, Director Product Management for Rail, Bentley Systems

Closing Remarks: Mischa Wanek-Libman
Tuesday, November 10th

**TwinTalks: Design and Construction**

**Create a True Digital Twin: Tips for Aligning People and Processes**

Moderator: Antony Oliver, Editorial Consultant, Antony Oliver Consulting

Public and private infrastructure asset owners around the world now understand that a process-focused and outcome-driven digital strategy improves collaboration and alignment of stakeholders through the entire asset lifecycle. Your strategy to optimize workflows across asset lifecycle to improve business performance requires change in both people and processes. In this session global asset owners, designers, and constructors explore the challenges and opportunities of embedding digital twins across asset lifecycles.

**Panel Discussion: Culture and Process Change Needs for Digital Transformation**

Panelists
- Andy Kaiyala, Vice President of Bid Development, The Lane Construction Corporation
- Andrew Burt, Enterprise Architect, HATCH
- Dustin Parkman, Vice President of Project Delivery, Bentley Systems

**TwinTalks: Digital Plants**

**The Digital Plant of the (Not Too Distant) Future: Are You Ready?**

Moderator: Monica Schnitger, Independent Analyst, Schnitger Corp.

Learn what to watch for on the path to Industry 4.0 to advance operations in safety, resilience, and sustainability. Explore the impacts of digital maturity in safe and reliable operations to full-blown autonomous plants where artificial intelligence drives plant asset performance management.

**Opening: Identifying the gaps on the path to Industry 4.0: Where do we go from here?**

**Overview: 10 Rights of Digitalization - Terrence O’Hanlon, Chief Asset Manager, Reliabilityweb**

**Interview: Your path to building and implementing a successful digital twin strategy**
- Terrence O’Hanlon, Chief Asset Manager, Reliabilityweb

**Panel Discussion: Digitalization Priorities to Advance Organizations - exploring the well-grounded movements in digital twins in plants, and final perspectives on Industry 4.0**

Panelists
- Amogh Bhonde, Senior Vice President, Digital Solutions, Siemens
- Andre Villemaire, Director, Artificial Intelligence and Data Science, Bentley Systems
- Torsten Beste, Senior Director, Digital Industries, Siemens
- John Sanins, Director, Digital Co-Ventures, Bentley Systems
**TwinTalks: Roads and Bridges**

**Asset Performance in Roads and Bridges**  
*Moderator: Brian Budzynski, Senior Managing Editor, Roads & Bridges Magazine*

Engage with our panel of road and bridge operations experts from around the world as they discuss critical business issues, best practices, and lessons learned in road asset and network performance, digital twins, bridge inspections, and UAVs.

**Opening:** Overview and Setting the Vision, Brian Budzynski

**Panel Discussion:** Digital Twins in Road and Bridge Asset Performance  
*Panelists:*  
- Joe Rice-Jones, Transportation Program Director, Bentley Systems  
- Ravi Koka, President Reveron Consulting  
- Jennifer L. Wells, Bridge Inspection Engineer, Minnesota Department of Transportation

**TwinTalks: Energy Utilities**

**Digital Twins: Translating Digital Twin Strategy into Tactical Action**  
*Moderator: Terrence O’Hanlon, Chief Asset Manager, Reliabilityweb*

Take a deeper dive into digital twins to understand tactical steps necessary to successfully execute your digitalization strategy. Explore how an open-source platform can help to synchronize digital twins with its physical twin, including benefits of digital workflows across an organization.

**Opening:** Introduction and Context Setting  
**Panel Discussion:** Taking a Tactical Approach to Digital Twins  
*Panelists:*  
- John Villali, Research Director, IDC Energy Insights  
- Dianne DePuy, Consultant, Cohesive Solutions  
- Brent Jensen, Sales Enablement Director, Bentley Systems

**Closing Remarks:** Terrence O’Hanlon

**TwinTalks: Rail and Transit**

**Harnessing Big Data and IoT to Optimize Rail Asset Performance**  
*Moderator: Mischa Wanek-Libman, Executive Editor, Mass Transit Magazine*

Explore how rail and transit digital twins use big data to understand and optimize asset performance. Listen as the panel discusses the vision from session one, and the use and benefits of digital twins in operation and maintenance.

**Opening:** Overview  
**Interview:** Perspective on Digital Twins for Inspection and Asset Performance  
- Andrew Smith, Senior Manager Transportation Product Management, Bentley Systems

**Panel Discussion:** Extending the Discussion on Digital Twins for Inspection and Performance  
*Panelists:*  
- Soren Husted, Vice President Railways and Metros, COWI  
- Yousef Kimiagar, Vice President Advanced Technologies & US Rail Systems Lead, Hatch  
- Gerhard Kress, Vice President Data Services, Siemens Mobility
Andrew Smith, Senior Manager Transportation Product Management, Bentley Systems

Closing Remarks: Mischa Wanek-Libman

Friday, November 12th

TwinTalks: Digital Cities

Digital Twins Help Campuses Digitally Advance
Moderator: Peggy Smedley, Editorial Director Constructech and President Specialty Publishing

Campus environments often function like small cities. Office parks, universities, airports, seaports, military installations, and other self-contained campuses, like cities, have operational goals, multiple on-going infrastructure projects, and long-term planning objectives that drive the need to collaborate and engage with many stakeholders. Learn what industry leaders are doing now to deploy digital twin workflows to create resilient and thriving campuses.

Opening: Digital Twins in Campus Environments - Phil Christensen, Vice President, Business Development, Digital Cities, Bentley Systems

Spotlight on Innovation: The Value of Digital Twins from Planning to Operations at Ports and Airports

Interview: Digital Twins in Port Planning and Projects
- Martin Johannesson, Head of Information Technology, Port of Gothenburg
- Carl Jansson, Project Manager, Port of Gothenburg

Interview: Digital Twins in Airport Planning and Projects
- Steve Parker, Head of Airport Design, Sydney Airports

Panel Discussion: Digital Twins Improve Office Parks from Planning through Performance — A focus on Digital Building Lifecycle Management

Panelists
- Ashish Mehrotra, Asia Pacific Head, RE&F Microsoft
- Dmitry Gurevich, IT Director Pennsylvania Chemicals Project, Shell Polymers
- Eduardo Lazzarotto, Product Manager, Bentley Systems

Closing Remarks: Peggy Smedley

TwinTalks: Rail and Transit

Harnessing Big Data and IoT to Optimize Rail Asset Performance
Moderator: Mischa Wanek-Libman, Executive Editor, Mass Transit Magazine

Explore how rail and transit digital twins use big data to understand and optimize asset performance. Listen as the panel discusses the vision from session one, and the use and benefits of digital twins in operation and maintenance.

Opening: Overview
Interview: Perspective on Digital Twins for Inspection and Asset Performance
- Andrew Smith, Senior Manager Transportation Product Management, Bentley Systems
Panel Discussion: Extending the Discussion on Digital Twins for Inspection and Performance

Panelists

- Soren Husted, Vice President Railways and Metros, COWI
- Yousef Kimiagar, Vice President Advanced Technologies & US Rail Systems Lead, Hatch
- Gerhard Kress, Vice President Data Services, Siemens Mobility
- Andrew Smith, Senior Manager Transportation Product Management, Bentley Systems

Closing Remarks: Mischa Wanek-Libman