Bentley Systems Bolsters Digital Cities Offerings with Acquisitions of Citilabs and Orbit Geospatial Technologies

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*Advancing mobility digital twins through Orbit GT's automated mobile mapping workflows
(digital context) and Citilabs' CUBE simulations (digital components)
for predictive transportation scenarios (digital chronology)*

SINGAPORE - The *Year in Infrastructure* **2019 Conference - 21 October 2019** - Bentley Systems, Incorporated, the leading global provider of comprehensive software and digital twin cloud services for advancing the design, construction, and operations of infrastructure, today announced the acquisitions of global mobility simulation (*CUBE*) and analytics (*Streetlytic*s) software provider *Citilabs*, and global provider of 3D and mobile mapping software, *Orbit Geospatial Technologies (Orbit GT)*. The newly acquired technologies, in conjunction with Bentley's existing design integration and digital cities offerings, enable engineering-based mobility digital twins. Road mobility digital twins converge cities' digital context (including 4D surveying facilitated by Orbit GT for drone-and vehicle-mounted mobile mapping), and digital components (including from Bentley's *OpenRoads* engineering applications) with CUBE simulations—to model and assure real-world throughput capacity for proposed and existing roadway assets. Streetlytics traffic data will become increasingly available through Bentley's cloud services to calibrate and validate mobility digital twins.

Robert Mankowski, vice president, digital cities, for Bentley Systems, said, "Mobility is a priority opportunity for city digital twins, because too often existing planning and simulation efforts are disconnected from the infrastructure's engineering reality. As the roadway design software leaders, we're very enthusiastic to be the first to enable engineering-founded mobility digital twins. With these acquisitions, we can now bring together traffic simulations, by way of the respected and versatile CUBE software—led by traffic engineer Michael Clarke to have now become a market leader—with automated mobile mapping workflows for reality modeling of roadways, as envisioned and realized by Peter Bonne, and his family, in leading the team behind Orbit GT. This will serve communities and regions in designing, testing, and optimizing the resilience of their mobility infrastructure."

About Citilabs
Citilab's *CUBE* simulation software provides world-leading predictive transportation technology, helping engineers and planners to design and optimize safe, efficient, effective, and environmentally sustainable mobility systems. Citilab's *Streetlytics* provides mobility data and analytics on the moving population within the U.S. and Canada for planners, engineers, and infrastructure asset managers to make data-informed decisions about transportation trends.

Michael Clarke, president and CEO for Citilabs, said, "We are excited to become a part of Bentley Systems. Our customers and partners will have a fantastic opportunity to fully integrate the planning, design, and operation of multi-modal transportation systems. At Citilabs, our mission has been to enable our customers to leverage location-based data, behavioral models, and machine learning through our products to understand and forecast movement in our cities, regions and nations. Today's announcement will truly bring together a rich understanding of current and projected travel to improve the design and operation of tomorrow's mobility systems."

About Orbit Geospatial Technologies
Orbit GT's offerings help users efficiently manage, process, and share very large amounts of imagery, point cloud, and 3D (mobile, oblique, terrestrial, UAS, indoor) mapping data for use with reality modeling and digital twins. Orbit GT's technology adds to Bentley's existing digital cities, reality modeling, and point cloud processing offerings including *ContextCapture* and *Pointools*.

Peter Bonne, CEO of Orbit GT, said, "Today's announcement offers our team, partners, and customers a unique opportunity to take a big leap forward in addressing today's need for increasingly accurate, versatile, manageable, and embedded use of digital twins. Advancing the 3D mapping paradigm has always been at the heart of Orbit GT's activities. In adding to Bentley's digital cities offerings, we will jointly broaden the solutions portfolio and provide unprecedented possibilities for collaboration among platforms. I am excited to help build this future together with great teams at Bentley Systems. In effect, we are now advancing 3D mapping to underlie 4D digital twins!"

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About Bentley Systems' *Digital Cities* Offerings
Bentley Systems undertakes to advance BIM and GIS through 4D infrastructure engineering digital twins for digital cities. Engineers, geospatial professionals, and infrastructure owner-operators benefit from applications and digital twin cloud services that advance reality modeling (*ContextCapture and Orbit G*T); water, wastewater, and stormwater system planning, design and operations, and flood resilience (*OpenFlows*); engineering-ready geospatial urban planning and visualization (*OpenCities Map* and *OpenCities Planner*); geotechnical information management (*OpenGround*); and mobility simulation and analytics (*LEGION* and *CUBE*).

In both 2018 and 2019, Microsoft named Bentley Systems as Partner of the Year in its CityNext category. In 2019 ARC Advisory Group's *Engineering Design Tools for Plants, Infrastructure, and BIM* market study ranked Bentley #1 in Water and Wastewater distribution.

About Bentley Systems
Bentley Systems is the leading global provider of software solutions to engineers, architects, geospatial professionals, constructors, and owner-operators for the design, construction, and operations of infrastructure, including public works, utilities, industrial plants, and digital cities. Bentley's *MicroStation*-based open modeling applications, and its open simulation applications, accelerate design integration;

its *ProjectWise* and *SYNCHRO* offerings accelerate [project delivery](#); and its *AssetWise* offerings accelerate [asset and network performance](#). Spanning infrastructure engineering, Bentley's *iTwin Services* are fundamentally advancing BIM and GIS to 4D digital twins.

Bentley Systems employs more than 3,500 colleagues, generates annual revenues of $700 million in 170 countries, and has invested more than $1 billion in research, development, and acquisitions since 2014. From inception in 1984, the company has remained majority-owned by its five founding Bentley brothers. www.bentley.com

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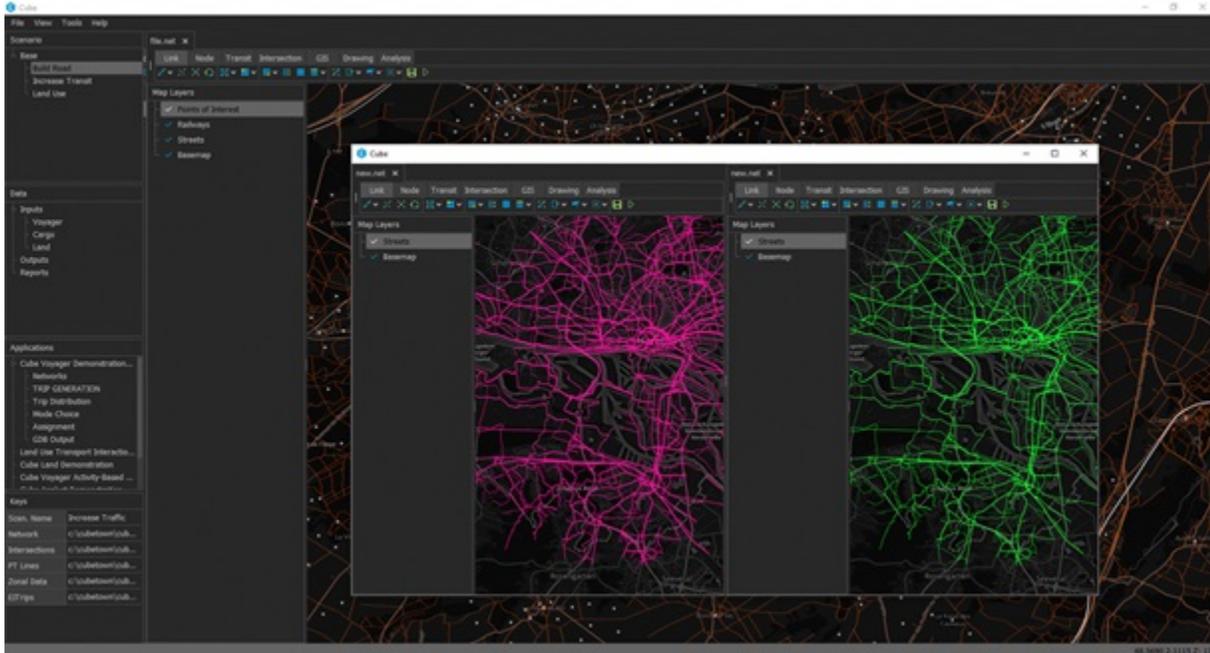
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