

Bureau Veritas introduces its new “digital cloning” services for industry and transportation, with partner Bentley Systems

during the “Year in Infrastructure 2017” Conference,
from October 10 to 12, 2017, in Singapore.

Paris-La Défense, France, October 6, 2017 – At the next “Year in Infrastructure 2017” Conference, Bureau Veritas, a world leader in testing, inspection and certification (TIC), and Bentley Systems, a global provider of software solutions for sustainable infrastructure projects, will present the latest developments of their cloud services for asset modeling and management.

These new services, resulting from a partnership initiated about one year ago, consist in Bentley Systems’ data modeling technology provisioning Bureau Veritas’ new digital services for transport or industrial infrastructure owners in need of expert know-how.

Philippe Donche-Gay, Deputy CEO at Bureau Veritas, said: *“In the context of ageing infrastructure assets in the developed world, inspections play a critical role in ensuring safety, extending the life of the asset, and increasing its performance. Bureau Veritas has always sought to leverage the best technology to improve the quality and scope of its offerings. By working with Bentley Systems, we can offer our clients around the world cutting-edge technology for smarter inspections based on asset modeling.”*

Greg Bentley, CEO of Bentley Systems, added: *“Advancing both cloud services and related inspections opens up great perspectives for our users and clients. By leveraging digital engineering models in their continuously surveyed context, we can achieve asset performance modeling and provide decision support to improve the safety, and increase the productivity, reliability, and longevity of those assets. We and Bureau Veritas believe that our work together will be a significant contribution to engineers and asset owners, in going digital.”*

Digital cloning: a new concept of 3D asset register

For the first time, TIC and engineering services capitalize on BIM innovations in terms of continuous surveying and context modeling. The software leverages the Internet of Things, connected mobile devices, and cloud services to produce a hybrid digital model that can be used as a frame of reference for an intelligent analysis of inspection data as well as for compliance evaluation.

This technological breakthrough, which enables inspection services to be timelier when it comes to the safety and performance of infrastructure assets, is what Bentley Systems refers to as “reality modeling”. This technology uses imagery to capture the context of as-operated asset conditions, thanks to virtually continuous surveying.

In the future, Bureau Veritas’ “digital inspectors” will be equipped with sensors, smart cameras, and drones. Through reality modeling, reality meshes representing continuously surveyed conditions can be accumulatively compared, and cloud services can make the field observations immediately and immersively accessible to the right Bureau Veritas experts, at any time and place. The model is ready to be used by engineers for evaluation, diagnosis, and remediation of risks.

The Year in Infrastructure 2017 – Bureau Veritas talks on October 12, 2017

The conference, organized by Bentley Systems, will be an opportunity for Bureau Veritas to detail these new services through the following presentations:

The Future of Inspectioneering

Speaker: Thomas Daubigny, Chief Digital Officer, Bureau Veritas

Inspection services are transformed by combining cutting-edge technologies: IOT, robotics (including drones), predictive analytics, and digital modeling. These technologies enable inspections based on anticipated risk, rather than time intervals that provide benefits for all the stakeholders working on the asset. In fact, the technologies help avoid unplanned asset downtime, improve safety and compliance, while delivering new and valuable insights to increase operational efficiency. This session will describe how Bureau Veritas, with the support of Bentley applications, provides a new type of "inspectioneering" that crosses inspection data with regulatory and external data sources to identify defects and recommend optimal inspection and maintenance schedules.

Technology Strategic to Achieving Cost Effective Mechanical Integrity and Reliability at Hindustan Petroleum Corporation, Ltd. (HPCL)

Speaker: Karine Kutrowski, Director, Industries and Facilities, Bureau Veritas

Protecting the health and safety of citizens, as well as the environment, is a critical concern to any project team. Often, achieving these priorities begins with reducing technical failure risk. In this session, Bureau Veritas will explain how, by partnering with Bentley, it has established a new model that combines high service reliability and integrity management with operational efficiency and effectiveness, for Hindustan Petroleum Corporation, Ltd (HPCL).

About Bureau Veritas

Bureau Veritas is a world leader in laboratory testing, inspection and certification services. Created in 1828, the Group has more than 73,000 employees located in 1,400 offices and laboratories around the globe. Bureau Veritas helps its clients improve their performance by offering services and innovative solutions in order to ensure that their assets, products, infrastructure and processes meet standards and regulations in terms of quality, health and safety, environmental protection and social responsibility.

Bureau Veritas is listed on Euronext Paris and belongs to the Next 20 index.

Compartment A, ISIN code FR 0006174348, stock symbol: BVI.

For more information, go to www.bureauveritas.com

About Bentley Systems

Bentley Systems is a global leader in providing engineers, architects, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for advancing the design, construction, and operations of infrastructure. Bentley users leverage information mobility across disciplines and throughout the infrastructure lifecycle to deliver better-performing projects and assets. Bentley solutions encompass MicroStation applications for information modeling, ProjectWise collaboration services to deliver integrated projects, and AssetWise operations services to achieve intelligent infrastructure – complemented by comprehensive managed services offered through customized Success Plans.

Founded in 1984, Bentley has more than 3,000 colleagues in over 50 countries, more than \$600 million in annual revenues, and since 2011 has invested more than \$1 billion in research, development, and acquisitions.

Additional information about Bentley is available at www.bentley.com.

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