



Press Release

Press Contact:

Christine Byrne

+1 203 805 0432

Christine.Byrne@bentley.com

Follow us on Twitter:

[@BentleySystems](https://twitter.com/BentleySystems)

SMRT Corporate Communications

+65 9822 0902

media@smrt.com.sg

Bentley Systems and SMRT Trains Collaborate to Improve Safety and Reliability of Metro Rail Services in Singapore

Bentley Systems and Strides Engineering Sign MOU Agreement to Jointly Market a Rail Predictive Maintenance Solution in the Asia Pacific Region

EXTON, Pa. and SINGAPORE – October 11, 2021 – Bentley Systems, Incorporated (Nasdaq: BSY), the *infrastructure engineering software* company, and SMRT Trains, the pioneer Mass Rapid Transit (MRT) operator in Singapore, have successfully completed the implementation of a Predictive Decision Support System (PDSS) for Singapore’s North-South and East-West lines, the oldest MRT lines in the country. SMRT Trains’ PDSS, which is based on Bentley’s AssetWise Linear Analytics, contributes to improving the reliability of the two lines across 282 kilometers of track and has helped SMRT Trains achieve more than 1 million kilometers between failure (MKBF). MKBF is a measure of reliability used by train operators around the world, where a failure is defined as a service delay of more than five minutes.

Based on the success of the PDSS implementation on the North-South and East-West lines, SMRT Trains has started the implementation of the PDSS solution on the Circle Line (CCL) in Singapore.

With many owner-operators of large metro networks in Asia Pacific cities focusing on improving reliability to provide uninterrupted services to riders, Bentley Systems and Strides Engineering, previously SMRT Services, a business arm of SMRT Corporation that provides a range of station-based engineering services, announced the signing of a Memorandum of Understanding (MOU) to jointly market a rail predictive maintenance solution in the Asia Pacific region. The MOU establishes a partnership between the two companies that combines strong technology expertise and rail operational capabilities to help urban rail and metro operators. Under the terms of the MOU, both organizations will market a rail predictive maintenance solution that visualizes all rail asset information and manages, monitors, and analyzes rail conditions. Bentley Systems will continue to sell, implement, and support its AssetWise solution while Strides Engineering will market and deliver its domain experience and add-on applications for track maintenance.

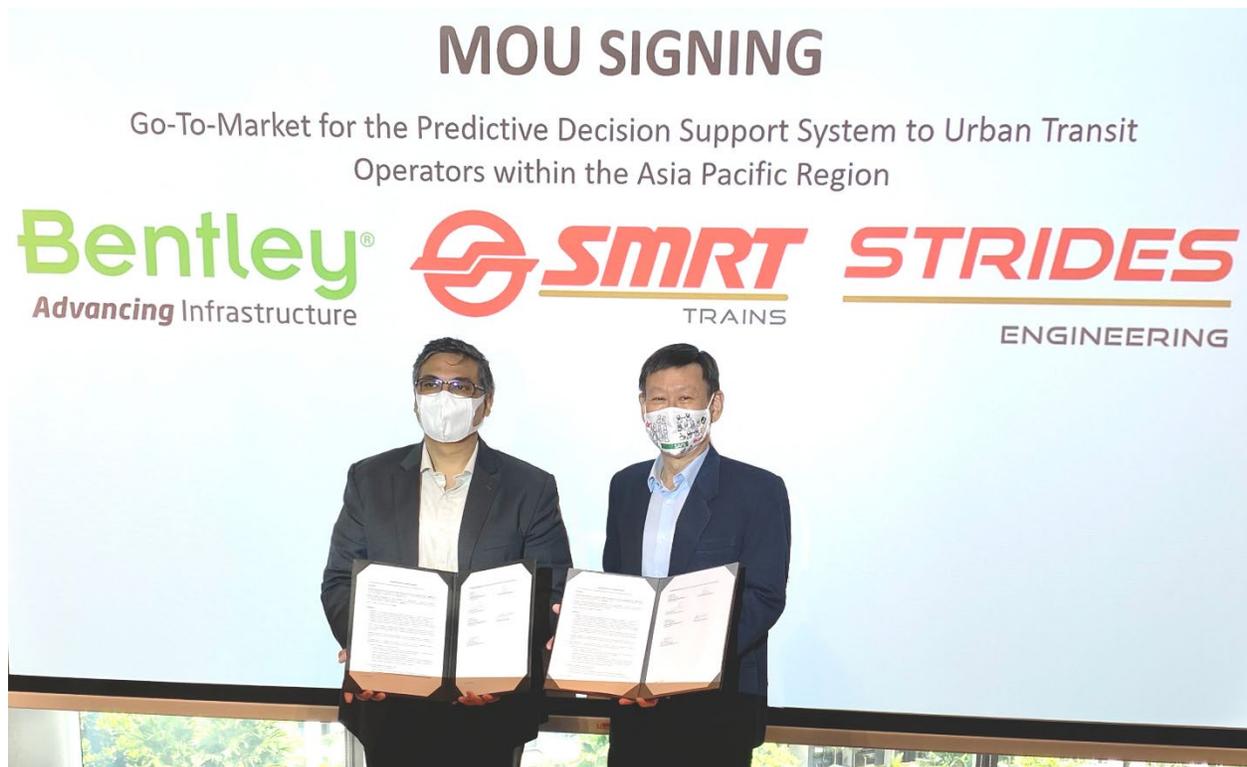
SMRT Trains will be featured in an *Infrastructure Spotlight Series* webinar in November as a part of Bentley Systems' *Year in Infrastructure 2021* presentations highlighting advancements in *going digital*. Registration details will be available soon for this session on yii.bentley.com to learn more about how SMRT Trains is an innovator to watch.

Lam Sheau Kai, president of SMRT Trains, said, "Leveraging technology and taking pre-emptive actions are two very important components in the plan to help us improve and maintain rail reliability for the train lines SMRT Trains operates. PDSS represents both components, and its successful implementation for the North-South and East-West lines has given us much confidence to scale it for the rest of our lines."

Commenting on the new partnership, Gan Boon Jin, president of Strides Engineering, said, "Strides Engineering's collaboration with Bentley Systems on the PDSS demonstrates a firm partnership in combining strong domain and rail operational capabilities with proven technological expertise. The PDSS will enhance and optimize decision-making in rail maintenance. We look forward to bringing the best practices and results of PDSS to other train operators in the region."

Kaushik Chakraborty, vice president, Bentley Asia South, said, "We are extremely happy and honored to partner with Strides Engineering to forward our common objective of advancing infrastructure. With our combined strengths and industry experience, we will empower rail and metro operators in the region to improve reliability of the infrastructure that serves citizens and residents."

Image 1:



Caption: Kaushik Chakraborty, vice president, Bentley Asia South, and Gan Boon Jin, president of Strides Engineering, at the MOU signing ceremony.

##

About SMRT Trains

SMRT Trains Ltd is the first and largest train services provider in Singapore. As a subsidiary of SMRT Corporation Ltd, we manage and operate train services on the North-South Line, East-West Line, the Circle Line, the new Thomson-East Coast Line and the Bukit Panjang Light Rail Transit.

We have set our core values to be Respect, Integrity, Service and Safety, and Excellence. SMRT Trains is committed to provide safe, reliable and comfortable service.

About Strides Engineering

Advanced Innovative Technologies & Digital Solutions

Strides Engineering, a business arm of SMRT Corporation Limited, has deep, proven experience in exploiting advanced innovative technologies as well as digital solutions and services to deliver safety, reliability, and comfort for commuters.

About Bentley Systems

Bentley Systems (Nasdaq: BSY) is the *infrastructure engineering software* company. We provide innovative software to advance the world's infrastructure – sustaining both the global economy and environment. Our industry-leading software solutions are used by professionals, and organizations of every size, for the design, construction, and operations of roads and bridges, rail and transit, water and wastewater, public works and utilities, buildings and campuses, mining, and industrial facilities. Our offerings include *MicroStation*-based applications for modeling and simulation, *ProjectWise* for project delivery, *AssetWise* for asset and network performance, Seequent's leading geosciences software portfolio, and the *iTwin* platform for infrastructure digital twins. Bentley Systems employs more than 4,000 colleagues and generates annual revenues of more than \$800 million in 172 countries.

www.bentley.com

© 2021 Bentley Systems, Incorporated. Bentley, the Bentley logo, AssetWise, AssetWise Linear Analytics, iTwin, MicroStation, ProjectWise, and Seequent are either registered or unregistered trademarks or service marks of Bentley Systems, Incorporated or one of its direct or indirect wholly owned subsidiaries. All other brands and product names are trademarks of their respective owners.