



ANNEX: MEDIA FACT SHEET ON SMRT'S INTELLIGENT FACILITIES MANAGEMENT

S/N	SMART ENERGY USAGE	DETAILS
1		<p>What is it: The Air Conditioning System (ACS) is a major contributor of energy consumption in stations. Predictive AI allows the optimisation and adjustments of ACS setpoints to reduce energy consumption, while sustaining commuter comfort.</p> <p>Key features:</p> <ul style="list-style-type: none"> • Seamless operation with data connection via standard protocol and Building Management Systems (BMS) agnostics. • Site specific predictive modelling helps capture energy optimisation opportunities more accurately. • Improves energy efficiency by narrowing the gap between reactive and predictive cooling. <p>Key benefits:</p> <ul style="list-style-type: none"> • Reduce energy consumption by <u>over</u> 7,000 Megawatt Hours (MWh) in stations, annually. • For each underground station, this works out to savings of between 105 and 210 MWh a year. This represents a 5 to 10% reduction in energy consumption.

S/N	ON DEMAND CLEANING	DETAILS
2		<p>HAPPY TOILET</p> <p>What is it: Pre-emptive and on-demand toilet cleaning to maintain a Hygiene Service Index comprising data from ammonia sensors, people counters and feedback panels.</p> <p>Key features:</p> <ul style="list-style-type: none"> • Web-based digital platform to remotely monitor Hygiene Service Index and activate on-demand cleaning activities. <p>Key benefits:</p> <ul style="list-style-type: none"> • Early cleanliness detection to reduce negative feedback from commuters. • Able to optimise cleaning resources across multiple sites and stations. <p>CLEANING ROBOT</p> <p>What is it: AI-enabled cleaning robot for cleaning optimisation and cleanliness management within Circle Line stations.</p> <p>Key features:</p> <ul style="list-style-type: none"> • Programmed to clean mapped areas within the stations to improve cleaning outcomes. • Automated vacuuming and scrubbing abilities. <p>Key benefits:</p> <ul style="list-style-type: none"> • Minimal human supervision. • Consistent cleaning quality. • Re-deployment of employed cleaners to focus on other cleaning area/tasks concurrently.

S/N	INTEGRATED OPERATIONS & MAINTENANCE SYSTEM	DETAILS
3	 A photograph of a person wearing an orange high-visibility safety shirt and a white helmet with 'OBE' and a green cross logo. The person is looking down at a tablet device they are holding in their hands. They are also wearing a black face mask and a watch on their left wrist. The background shows a brick wall and a metal bench.	<p>What is it Advanced Station Ops Mgt System (ASOMS) and Mobile Ops & Maintenance System (MOMS): Integration of fault management and maintenance between MOMS (left) and ASOMS.</p> <p>Key features:</p> <ul style="list-style-type: none">• MOMS is a unified digital platform for maintenance staff across SMRT to perform preventive and corrective maintenance work.• ASOMS is used primarily by station staff to improve handling of duties and shifts, managing station equipment and integrates with MOMS as a common fault reporting platform. <p>Key benefits</p> <ul style="list-style-type: none">• MOMS allows for faster turnaround time for staff to rectify a fault, has lesser data entry requirements and provides analytics for preventive maintenance.• ASOMS optimises shift handovers for follow-ups and has a broadcast ability for critical operations information.

For any media queries and interview opportunities, please contact:

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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 for our commuters.

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