



STRONG ON THE OUTSIDE, INTELLIGENT ON THE INSIDE

SANDVIK i-SERIES TRUCKS



Up to

50%

reduction in operating cost when operating with AutoMine™

Up to

30%

more productive than earlier models



Test results and calculations are to be considered as results reached under certain and controlled conditions. These test results and calculations should not be treated as specifications and Sandvik does not guarantee, warrant or represent the outcome of test results or calculations in any or all circumstances.

INBUILT PRODUCTIVITY

Sandvik intelligent trucks are made to increase your productivity and profitability. These qualities, along with the highest safety standards in the industry, are inbuilt in the "Sandvik DNA", and are always considered as a must when designing and manufacturing new equipment. Therefore, our intelligent trucks – or i-series trucks – are true embodiments of productivity, profitability and safety.

The new i-series trucks bundle up a variety of features that will enhance your operational performance, while simultaneously reducing the total cost of ownership. Due to their superb hauling capacity, fuel efficiency and

extended lifetime, the i-series trucks provide both short-term and long-term benefits, giving a genuine boost to your productivity.

INTELLIGENCE MAXIMIZES PROFITABILITY

In addition to the Knowledge Box™ hardware itself, the intelligence of i-series trucks stems from the Sandvik Intelligent Control system. Acting as the software backbone of the machine, it has allowed us to build multiple smart solutions – such as onboard weighing system and AutoMine™ Trucking – that can improve your performance.

15–30 % increase in production, thanks to extra hours operated and extra tonnes moved with AutoMine™ Trucking.

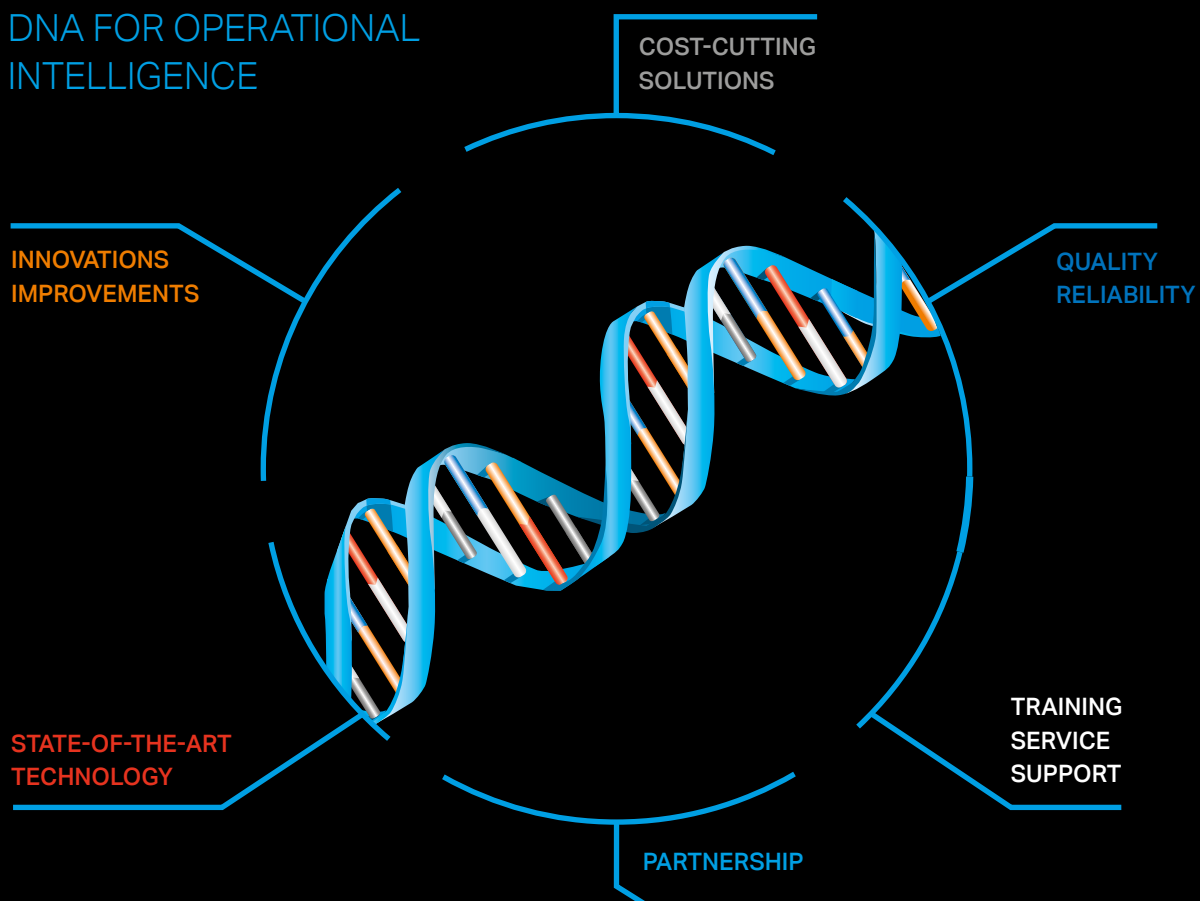
4–8 hours of additional haulage, with automation every 24 hours during the times that would otherwise be wasted for blast clearance.



WHY SANDVIK INTELLIGENT TRUCKS?

FEATURE	BENEFITS	VALUE
<input checked="" type="checkbox"/> AutoMine™, AutoMine™ Trucking	<ul style="list-style-type: none"> reduced cost – decreased cost per tonne optimized fleet availability 	BETTER PROFITABILITY
<input checked="" type="checkbox"/> My Sandvik Digital Services, AutoMine™ Trucking, Integrated weighing system, Integrated jacking system	<ul style="list-style-type: none"> more efficiency higher utilization safe, fast & reliable wide range of box sizes 	MORE PRODUCTIVITY
<input checked="" type="checkbox"/> AutoMine™ Trucking	<ul style="list-style-type: none"> safer for people & operations improved ergonomics ease of maintenance 	IMPROVED SAFETY

DNA FOR OPERATIONAL INTELLIGENCE



AUTOMINE TRUCKING – THE FOREFRONT IN CUTTING EDGE TECHNOLOGY

THE BEST MADE BETTER

Sandvik AutoMine™ is the world's first truck automation system. First launched in 2005, it has been constantly developed to answer the needs of twenty-first century mining. Increasing productivity, availability and reducing cost per hauled tonne, it offers a reliable and effective way to improve your operational performance.

STATE-OF-THE-ART UNDERGROUND HAULAGE

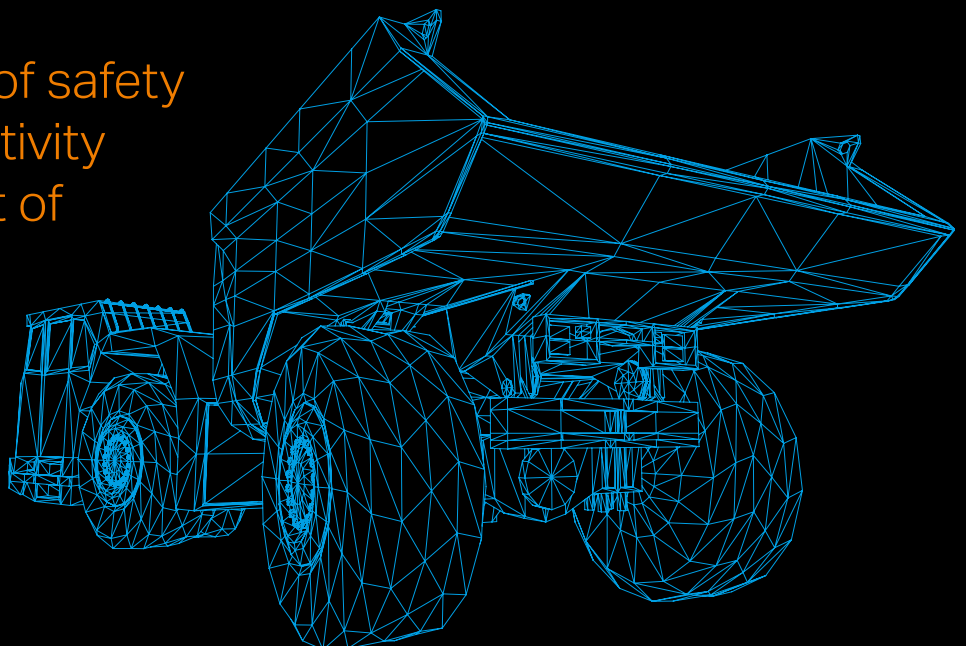
AutoMine™ Trucking is a smart solution to reduce operating cost, and to increase productivity and availability to achieve production targets. Thanks to the solution, wasted production time due to shift change, blast clearance or damages caused by human error is now a thing of the past. In addition, AutoMine™ Trucking will provide for improved operating discipline, optimized fleet control, real time monitoring and performance reporting. Autonomous haulage will also increase safety and reduce risks in underground operations, since the

production area is fully isolated and fewer people are needed underground overall. This advanced technology is now available both for transfer level and decline ramp applications with Sandvik Intelligent trucks TH551i and TH663i.

FEATURE-FILLED TH551i AND TH663i

Utilizing intelligent AutoMine™ onboard features – such as the automated navigation system, steady connections for remote operation and data collection, environment-scanning equipment and capability to control advanced truck control system functionalities – the new i-series trucks are an embodiment of modern day advanced trucking. Thanks to their full automation readiness, the new intelligent trucks can be optimized to meet your specific needs – to maximize availability and consistency of output, and to reduce damage and minimize downtime.

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- + Highest level of safety
 - + Smart productivity
 - + Low total cost of ownership



SPECIAL FEATURES – DIFFERENTIATING THE SANDVIK OFFERING

EFFICIENCY MADE EASY

The new i-series trucks are made for user-friendly and productive operation. Sandvik intelligent controls, onboard weighing system and integrated jacking system enable improved operational efficiency by minimizing the time spent on routine procedures. With My Sandvik digital services, the trucks' performance can be measured accurately. It enables locating possible operational gaps that need improving, and provides up-to-date information for future planning.

SANDVIK INTELLIGENT CONTROL SYSTEM

- Real-time trouble shooting and alarm logs
- User friendly interface
- Critical warnings and alarms displayed as text and with light
- Display with adjustable contrast and brightness
- AutoMine™ fully integrated

ONBOARD WEIGHING SYSTEM

- Integrated weighing system with signal lights, developed by Sandvik
- Production monitoring
- Ore grade tracking
- Utilization of rated payload

INTEGRATED JACKING SYSTEM

- Safer and faster method to jack up the truck
- Easier tire-changes even when the truck is fully loaded
- Fully-laden vehicle can be lifted in less than 30 seconds

MY SANDVIK DIGITAL SERVICES

- Data collection and reporting system
- Provides transparency on fleet status: production, utilization, condition
- Enables analysis of production efficiency, equipment health monitoring and preventive maintenance



FOR SMART PRODUCTIVITY

THE NEW i-SERIES TRUCKS

	Sandvik TH551i	Sandvik TH663i
Pay load capacity	51 000 kg	63 000 kg
Tunnel size	5 x 5 m	6 x 6 m
Dump box, standard	28.0 m ³	36.0 m ³
Dump box, range	24–30 m ³	24–40 m ³
Total operating weight	41 000 kg	43 000 kg
Max speed, loaded	34.5 km/h	30.7 km/h
Engine	Volvo TAD1642VE-B	Volvo TAD1643VE-B
Engine output	515 kW @ 1 900 rpm	565 kW @ 1 900 rpm
Emissions	Tier 2	Tier 2
Transmission	Allison 6625 series	Allison 6625 series
Axles	Kessler D106 series	Kessler D111 series
Automation (standard)	My Sandvik Digital Services Knowledge Box™ on-board hardware AutoMine™ Trucking Readiness	My Sandvik Digital Services Knowledge Box™ on-board hardware AutoMine™ Trucking Readiness

LOAD + HAUL = PERFECT MATCH

Our new i-series trucks are designed for perfect fit with Sandvik loaders. These productivity pairs allow fast three pass loading that translates into instant efficiency.



Sandvik TH551i
Capacity 51 000 kg
Tunnel size 5 x 5 m



Sandvik TH663i
Capacity 63 000 kg
Tunnel size 6 x 6 m



Sandvik LH517
Capacity 17 200 kg
Tunnel size 5 x 5 m



Sandvik LH621
Capacity 21 000 kg
Tunnel size 5.5 x 5.5 m



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