SANDVIK MINING AND ROCK TECHNOLOGY



CAPITAL MARKETS DAY

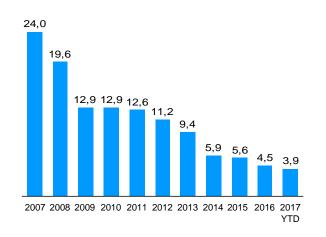
LARS ENGSTRÖM, PRESIDENT



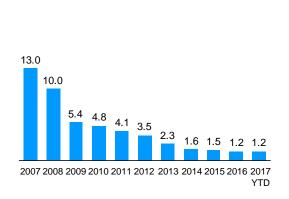
SAFETY FIRST

Sandvik's objective is zero harm to our people, the environment we work in, our customers and our suppliers.

TRIFR* by year



LTIFR* by year



- Industry leading in LTIFR level both as compared to peers and to customers
- Founding member of Mining Safety Round Table
- Strong internal safety culture





PIONEERING SOLUTIONS FOR TODAY AND TOMORROW SANDVIK MINING AND ROCK TECHNOLOGY

SANDVIK MINING AND ROCK TECHNOLOGY

ORGANIZATION PRESIDENT Lars Engström HR **FINANCE** (HR and EHS) (Finance, IT, Legal, Compliance) Fredrik Westin Johan Hedlund STRATEGY MID-MARKET Martin Nyström Kobus Malan UNDERGROUND SURFACE **ROCK TOOLS MECHANICAL CRUSHING & ROCK DRILLS &** PARTS & **GLOBAL SALES LOAD & HAUL** DRILLING **DRILLING & CUTTING SCREENING TECHNOLOGIES SERVICES EXPLORATION** Gary Hughes Patrick Murphy Ed Santamaria Jaakko Koppinen Joanne Cooke Henrik Ager Mats Eriksson Reinhard Reinartz Anders Svensson



SANDVIK MINING AND ROCK TECHNOLOGY

MANAGEMENT TEAM AND PRODUCT AREAS



FREDRIK WESTIN CFO



ED SANTAMARIA PARTS & SERVICES



REINHARD REINARTZ MECHANICAL CUTTING



GARY HUGES
GLOBAL
SALES



JOHAN HEDLUND HR



MATS ERIKSSON LOAD & HAUL



ANDERS SVENSSON CRUSHING & SCREENING



MARTIN NYSTRÖM STRATEGY



JOANNE COOKE SURFACE DRILLING & EXPLORATION



PATRICK MURPHY ROCK DRILLS & TECHNOLOGIES



KOBUS MALAN
MID MARKET



HENRIK AGER ROCK TOOLS (INCLUDING DRILLING & COMPLETION)



JAAKKO KOPPINEN UNDERGROUND DRILLING

STRONG BUSINESS PERFORMANCE

Q1-Q3 2017

ORDER INTAKE

+23%

PROFITABILITY

+16%

NET WORKING CAPITAL

25%



OUR BIGGEST SEGMENT IS MINING

Q1-Q3 2017

MINING

72%



CONSTRUCTION

25%

OIL AND GAS

3%



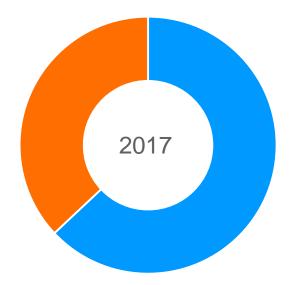
Sandvik Mining and Rock Technology revenues by segment, % of total, Q1-Q3 2017

SALES SPLIT

Q1-Q3 2017



37%*
Equipment



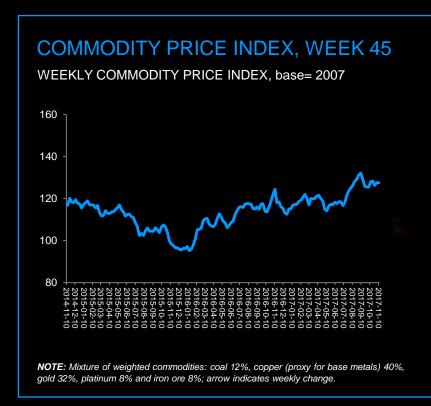


63%*
Aftermarket





MACRO ECONOMICS AND COMMODITY PRICES





Source: BMI; Macrobond

CHALLENGES AND OPPORTUNITIES

UNDERGROUND **DRILLING**

LOAD & HAUL

CRUSHING &



SCREENING





MECHANICAL CUTTING



ROCK TOOLS



STABILITY

PROFITABILITY



MECHANICAL CUTTING

STABILITY



PROFITABILITY

CHALLENGES AND OPPORTUNITIES

UNDERGROUND **DRILLING**

LOAD & HAUL

CRUSHING & SCREENING





SURFACE DRILLING



MECHANICAL CUTTING



ROCK TOOLS



PROFITABILITY



ROCK TOOLS





CHALLENGES AND OPPORTUNITIES

UNDERGROUND **DRILLING**

LOAD & HAUL

CRUSHING & SCREENING



SURFACE DRILLING







STABILITY PROFITABILITY



SURFACE DRILLING



STABILITY





PROFITABILITY





CHALLENGES AND OPPORTUNITIES

UNDERGROUND **DRILLING**

LOAD & HAUL



CRUSHING & SCREENING









SURFACE DRILLING

PROFITABILITY GROWTH



CRUSHING & SCREENING







CHALLENGES AND OPPORTUNITIES

UNDERGROUND **DRILLING**

LOAD & HAUL

CRUSHING & SCREENING



SURFACE DRILLING



MECHANICAL CUTTING



ROCK TOOLS



STABILITY PROFITABILITY



LOAD AND HAUL



STABILITY PROFITABILITY



CHALLENGES AND OPPORTUNITIES

UNDERGROUND **DRILLING**

LOAD & HAUL

CRUSHING & SCREENING



SURFACE DRILLING





STABILITY





PROFITABILITY





UNDERGROUND DRILLING



STABILITY PROFITABILITY



CHALLENGES AND OPPORTUNITIES

UNDERGROUND **DRILLING**

LOAD & HAUL

CRUSHING & SCREENING



SURFACE DRILLING





STABILITY





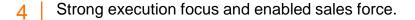
PROFITABILITY





KEY STEPS TO TRANSFORM AFTERMARKET

- 1 Transparency of the installed fleet and understanding of lifecycle support needs.
- One customer offering with higher presence and closeness to the fleet.
- Customer experience supported both through Sandvik support centers and highly automated e-commerce platform.







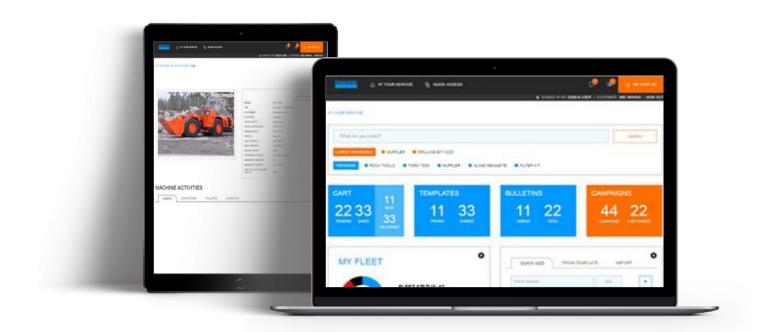




365 DIGITAL SERVICE SOLUTIONS OPTIMIZE YOUR PERFORMANCE

PARTS AND SERVICES

MY SANDVIK SERVICES





DIGITAL OFFERING FRAMEWORK



What it is

Onboard autonomous features, smart rock tools & systems for remote to autonomous operations

How it creates value

Support or fully take over manual tasks



Collection, transfer and visualization of data on fleet health and status

Remote and real-time support for planning and monitoring across sites



Solutions based on processed data from equipment, rock tools, customers' systems, environment

Predictive insights and realtime analytics to improve operator & asset performance

Equipment & Applications Hardware, Software, Services



WHY DIGITALIZATION?













CONTINUOUS OPERATION

LESS DOWNTIME

CONSISTENT **OUTPUT**

PRODUCTION

HIGH-SPEED TRACKING & REPORTING







MULTI-MACHINE CONTROL











OPERATOR COMFORT



OPTIMINE®

FROM DATA TO ACTION

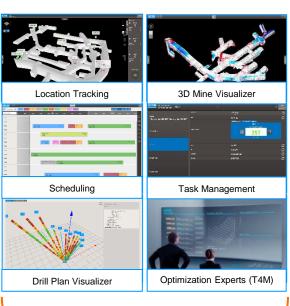
IDENTIFY AREAS OF IMPROVEMENT

PREDICT WITH ACCURACY REALIZE VALUE BY TAKING ACTION

Integrated with customer digital ecosystem



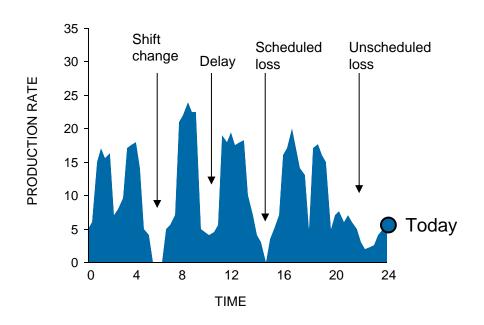




OptiMine Short Interval Control

CUSTOMER OUTCOME

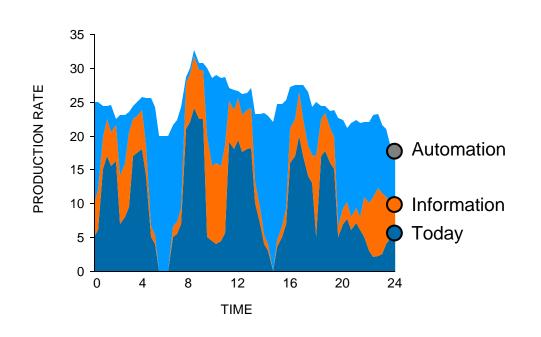
MORE, LOWER-COST & SAFER TONS



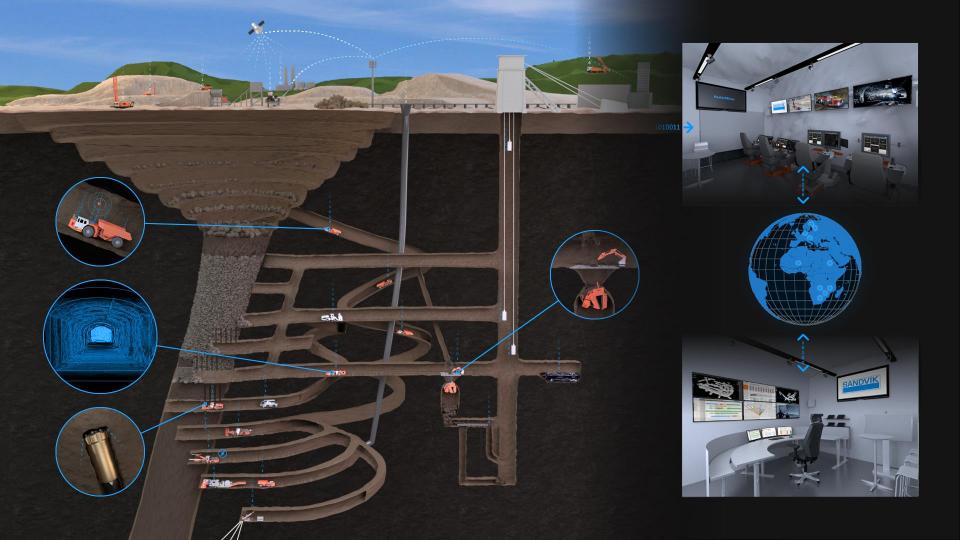


CUSTOMER OUTCOME

MORE, LOWER-COST & SAFER TONS







ANNOUNCING A NEW GLOBAL PARTNER:



EXPANDING THE DIGITAL ECOSYSTEM









- Mine Control Room
- Automation Systems
- Connected Equipment Platform
- Analytics & Process Optimization

- Security
- Access Points
- Wireless Controllers
- Routing & Switching

- ✓ END-TO-END PROJECTS
- ✓ FAST AND SECURE
- ✓ COMPLEMENTARY PRODUCTS





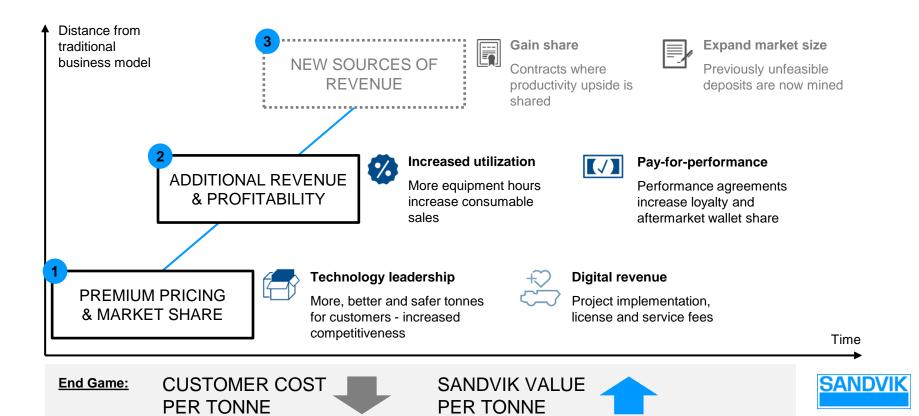
✓ SOLUTION

TAILORED

FOR MINING

CUSTOMERS

COMMERCIAL LOGIC OF DIGITAL OFFERING



AUTOMATION HAS HIT A TIPPING POINT

AUTOMINE® IS NOW VIEWED AS A "MUST HAVE" IN MANY MARKETS

Example: Resolute Mining (ASX:RSG)
will develop their greenfield
underground gold mining operation in
Mali around a fully automated Sandvik
production system





Resolute's journey to automation

A journey towards improved safety and cost reduction





- A clear management focus on safety, innovation and cost reduction
- Sandvik's integrated product package provides a full service of proven technologies and equipment
- Innovation and technology rather than cost cutting delivers long term improvement
- Syama is a unique opportunity to bring together a suite of proven technologies into a greenfields project
- A vision for a remote operations centre

THANK YOU

