Sandvik’s objective is zero harm to our people, the environment we work in, our customers and our suppliers.
We’ve always been committed to conducting business with high integrity and in a legal and ethical manner. We embrace our corporate responsibility to combat corruption.
MECHANICAL CUTTING DIVISION WITH SITE ZELTWEG
MECHANICAL CUTTING
DIVISION MAIN FACTS

~1,050
EMPLOYEES

2,912
BILLION SEK IN REVENUES

18.3%
EBIT IN % OF INVOICING

9
SALES AREAS

2,910
BILLION SEK IN ORDERS

Figures refer to Mechanical Cutting Division total 2020
Underground continuous mining and tunneling comprises activities continuously cutting and conveying of material (soft and hard rock) directly along the excavation, including comprehensive parts and services offering to improve your productivity and reduce your operating costs.
MECHANICAL CUTTING FOOTPRINT

A. ZELTWEG, AUSTRIA
   - Competence Center
     Mechanical Cutting

B. BRIER HILL, USA
   - Rebuild Center
     Mechanical Cutting

C. KHOMEANI, SOUTH AFRICA
   - Rebuild Center
     Mechanical Cutting, Assembly Center for
     Flameproof Load and Haul (shared with other
     divisions)

D. TYCHY, POLAND
   - Repair Center
     Mechanical Cutting

E. KEMEROVO, RUSSIA
   - Rebuild Center
     Mechanical Cutting
     (shared with P&S)

F. BAOTAO, CHINA
   - Rebuild Center
     Mechanical Cutting

G. HEATHERBRAE, AUSTRALIA
   - Rebuild Center
     Mechanical Cutting

H. MACKAY, AUSTRALIA
   - Repair Center
     Mechanical Cutting
MAKE THE SHIFT

OUR SUSTAINABILITY GOALS 2030

We will lead the shift in our industry and build a successful long-term business that advances the world through engineering. Our aim is to be the innovative business partner for our customers by making sustainability part of every aspect of business, delivering value for everyone. Our full lifecycle approach means we work relentlessly in our operations, across our supply chain and through our customer offerings to drive more sustainable, resilient business.

OUR ENABLERS

How we’ll drive the change

PERFORMANCE MANAGEMENT
Integrated with performance management systems and part of the incentive program for top managers

IDEAS HUB
Create sustainability idea program with 100,000 sustainability ideas or innovations proposed by 2030

THE SHIFT CHAMPIONS
Sustainable business partner award and implemented (like Wilhelm Haglund Medal)

GOOD GOVERNANCE
Well functioning and efficient governance, through The Sandvik Way and the Sandvik Code of Conduct

TRANSPARENCY
We will drive change through transparency of our progress, learnings and ways of working

OUR SUSTAINABILITY GOALS 2030

CUSTOMERS
Material and resource efficiency improvement part of all development projects
Develop business models for recycling/circularity for our customers

OPERATIONS
Our products including packaging material shall have at least 85% material circularity, Helix will embed in our production processes

SUPPLIERS
Require 90% circularity for key suppliers

CUSTOMERS
CO2 improvement part of all product development projects
Value proposition to our customers shall always include verified CO2 reduction potential

OPERATIONS
Halve the CO2 footprint from our own production
Halve the CO2 footprint for transportation of people and products

SUPPLIERS
Require halving of CO2 footprint from our key suppliers

CUSTOMERS
Health & Safety improvements part of all product development projects
Value proposition to our customers shall always include verified CO2 reduction potential

OPERATIONS
Halve Total Recorded Injury Frequency Rate (TRIFR) and occupational illnesses
All Sandvik employees to be offered health and well-being programs

SUPPLIERS
Require health & safety improvements plan to reach Sandvik standards from key suppliers

CUSTOMERS
Know Your Customer (KYC) process leading to active, sustainable choices
Increased transparency on sustainability targets and results

OPERATIONS
Proactive and agile Compliance system fully embedded in business operations
Diverse and inclusive workforce with at least one third female managers
Everyone engaged in community involvement with a significant positive impact on society

SUPPLIERS
All suppliers compliant with Sandvik Supplier Code of Conduct

WE BUILD CIRCULARITY
More than 90% circular

WE SHIFT CLIMATE
Halve the CO2 impact

WE CHAMPION PEOPLE
Zero harm to people

WE PLAY FAIR
Always do the right thing

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OUR GOAL: MORE THAN 90% CIRCULAR

CIRCULAR BUSINESS MODEL WITH REBUILDS OF EQUIPMENT AND COMPONENTS

LAUNCH OF CUTRONIC FOR CUTTING AUTOMATION

USE HIGHLY AUTOMATED CUTTING AND BOLTING FEATURES TO SAVE RESOURCES

SANDVIK LS312 WITH EHS IMPROVEMENTS OF 20% FUEL AND RELATIVE CO₂ SAVINGS

NEW WASTE MANAGEMENT SYSTEM, WASTE PROCESSES AND TRAINING IN OUR PRODUCTION UNITS

LIFECYCLE 1
YEARS 1–5
Original purchase

LIFECYCLE 2
YEARS 5–10
Rebuild of equipment & components

LIFECYCLE 3
YEARS 10–15
Rebuild of equipment & components
OUR GOAL: HALVE THE CO₂ IMPACT

AUTOMATED CUTTING TO REDUCE CARBON FOOTPRINT
ELECTRICATION OF FLAME PROOF LOADERS
SANDVIK LS312: -20% FUEL
PRODUCTION UNITS INITIATIVES
  • GREEN ENERGY
  • REDUCED ENERGY USAGE WITH 25% SINCE 2017
  • NEW PHOTOVOLTAIC SYSTEM ON THE WORKSHOP ROOF
    CLICK ICON FOR ENVIRONMENTAL BENEFITS
  • REPLACEMENT OF DIESEL DRIVEN FORKLIFTS
TRANSPORT TRANSFORMATION FOR BUSINESS TRIPS
OUR GOAL: ZERO HARM TO PEOPLE

LAUNCH OF CUTRONIC AND MECHANIZED BOLTING REDUCES HUMAN EXPOSURE TO HAZARDOUS WORK AREA

CONTINUE 0 LTI JOURNEY FOR MECU, CURRENTLY <= 0.51 INCL. 2 SALES AREAS

TOTAL RECORDED INJURY FREQUENCY RATE (TRIFR) TARGET <= 3.1

DETAILED HEALTH & WELLBEING PROGRAM

BIKES AND ALTERNATIVE MEANS TO GO TO WORK

RAISE MATURITY LEVEL OF SAFETY CULTURE AT OUR KEY SUPPLIERS
OUR GOAL: ALWAYS DO THE RIGHT THING

- Joint Customer Product Development Program
- Top @ Compliance League Table
- Top @ Code of Conduct League Table
- Top @ Internal Control League Table
- Key focus on Enterprise Risk Management (ERM) and House of Compliance
- Promote Diversity and Inclusion
- Social Responsibility
- Good Corporate Citizen
- Equal Opportunities and Working Conditions for All
- >90% Contract Coverage for Supplier
ALL CUTTING EQUIPMENT ALREADY ELECTRIC

CURRENT MAIN ELECTRIC OFFERING

MINING
• Room & Pillar
• Long room

MINE INFRASTRUCTURE
• Access roadways
• Longwall gate roads

CONSTRUCTION AND TUNNELING

CONTINUOUS HAULAGE SYSTEMS
• >50% more productive than industry

PLANS TO FURTHER EVOLVE OFFERING

HARD ROCK CONTINUOUS MINING
• MX650 – Rapid mine development
• MN330 – Narrow reef production system

CONTINUOUS HAULAGE
• PO140 – Extendable Belt system

ELECTRIFICATION OF FLAMEPROOF LOADERS
MECHANICAL CUTTING

MAIN FACTS SITE ZELTWEG

1851
FOUNDED

COMPETENCE CENTER
MECHANICAL CUTTING
ZELTWEG, AUSTRIA

MORE THAN
2,750
MACHINES
DELIVERED AROUND THE GLOBE

~447
EMPLOYEES

~162.5
MEUR TURNOVER

99
PERCENT EXPORT

>55
YEARS
EXPERIENCE IN MINING & CONSTRUCTION INDUSTRY

Figures refer to Mechanical Cutting Site Zeltweg total 2020
ZELTWEG SITE

SHORT HISTORY

1851  First historic reference: Count Hugo Henckel von Donnersmark founded steel mill in Zeltweg

1862  1200 employees, manufacturing railway material for K&K Monarchy

1865  Assembly work for the roof structure of State Opera House, Vienna

1961  First tunneling machine: Wohlmeyer-tunnel machine

1965  First roadheaders (F6-A) to Austria, Italy, France, Morocco
ZELTWEG SITE

SHORT HISTORY

1971   First own design: ALPINE MINER AM 50
1991   First Bolter Miner: ABM 20
        for Tahmoor Colliery, Australia
1996/98 Takeover by TAMROCK, later taken
        over by SANDVIK
2007   Start of Continuous Miner Product Line
2010   Borer Miner MF420, the most powerful machine
        of its kind
2013   Roadheader MR341
2015   Bolter Miner MB670-1 upgrade
2015   Inaugeration of new High Load Hardrock Cutting
        test rig
2018-2019 Development of new Rapid Mine Development System MX650
2020-2021 Development of new Reef Mining System MN330
MECHANICAL CUTTING PORTFOLIO OVERVIEW

UNDERGROUND MINING AND TUNNELING APPLICATIONS

COAL AND MINERALS PRODUCTION
Room & Pillar mining for coal and minerals
Long room mining for salt minerals

MINE INFRASTRUCTURE DEVELOPMENT
Access roadways
Longwall gate roads
Shafts, boxholes

CONSTRUCTION AND TUNNELING

CONTINUOUS HAULAGE SYSTEMS

PARTS AND SERVICES
CORE PRODUCTS

COAL AND SOFT ROCK MINING

- Bolter miners for development and production
- Continuous miners for room & pillar mining
- Roadheaders for roadway development
- Roadheaders for potash production
- Borer miners for potash production
- Mobile bolters, longwall face bolters
- Feeder breakers
- LHD utility vehicles, shield haulers and trailers
CORE PRODUCTS

HARDOCK MINING

• Box hole borers
• Reef miners
• Roadheaders
• Rapid mine development system
CORE PRODUCTS
CONSTRUCTION AND TUNNELING

• Roadheaders for soft rock and hard rock tunneling with CUTRONIC and ICUTROG technology
• Cutting attachments
DIGITALIZATION

CONNECTED EQUIPMENT

MYSANDVIK cloud

Customer cloud

Remote and charger

Transfer stick

Only for non-flame proof use

‟Handheld”

Local customer server

Local Sandvik server

local mine network

DCU

Interface with Controller
DIGITALIZATION AND AUTOMATION

CUTRONIC

- Profile and tunnel planning with office tool and transfer of plans to machine
- Solution fully integrated into machine control system
- Profile control and automated cutting
PARTS AND SERVICES YOU CAN COUNT ON
SANDVIK 365 - MECHANICAL CUTTING OFFERING

- MY SANDVIK Digital Service Solutions
- Service Solutions
- Inspections
- Rebuild Solutions
- Component Solutions
- Genuine Consumable and Kits
- Upgrades and engineered Solutions
- Safety Solutions
- 24/7 Customer Support
MACHINES IN ACTION WORLDWIDE

MB670 / Norway
MC470 / South Africa
MB650 / Australia
MT520 / Germany
MH621 / USA
MB670-1 / Russia
MT720 / Australia
MF420 / Canada
MACHINES IN ACTION WORLDWIDE

MB670 / Canada
MC430 / South Africa
MT520 / Spain
MR341 / Poland
MH620 / Poland
MB770 / Germany
MB650 / Australia
MT520 / Germany

30
INNOVATION FOCUS

TECHNOLOGY LEADERSHIP

• Engineering
• Simulation
• Process optimization
• Design for product safety
• Risk assessment
INNOVATION IN HARD ROCK MINING

WITH RAPID MINE DEVELOPMENT SYSTEM

• Environment, health and safety benefits
• Speed and reduced time to full production
• Improved tunnel quality reducing support and rehabilitation costs
• Reduced operating costs
• Lower manpower requirements
EXCEPTIONAL PEOPLE

ATTRACTING, DEVELOPING AND RETAINING

• Geotechnical expertise
• Engineering excellence
• Manufacturing know-how
• Customer focus
• Apprentice training
PARTNERS

R&D AND MANUFACTURING

- Large R&D partner network
- EU-funded research projects
- Universities
- Research institutes
- Sandvik partner companies
CORPORATE SOCIAL RESPONSIBILITY

COMMUNITY INVOLVEMENT STRATEGY

• Regional apprentices strategy
• Regional initiative „KRAFT.das Murtal“
• Partner of CARITAS
• Summer students
TEAM SPIRIT WITH PASSION TO WIN