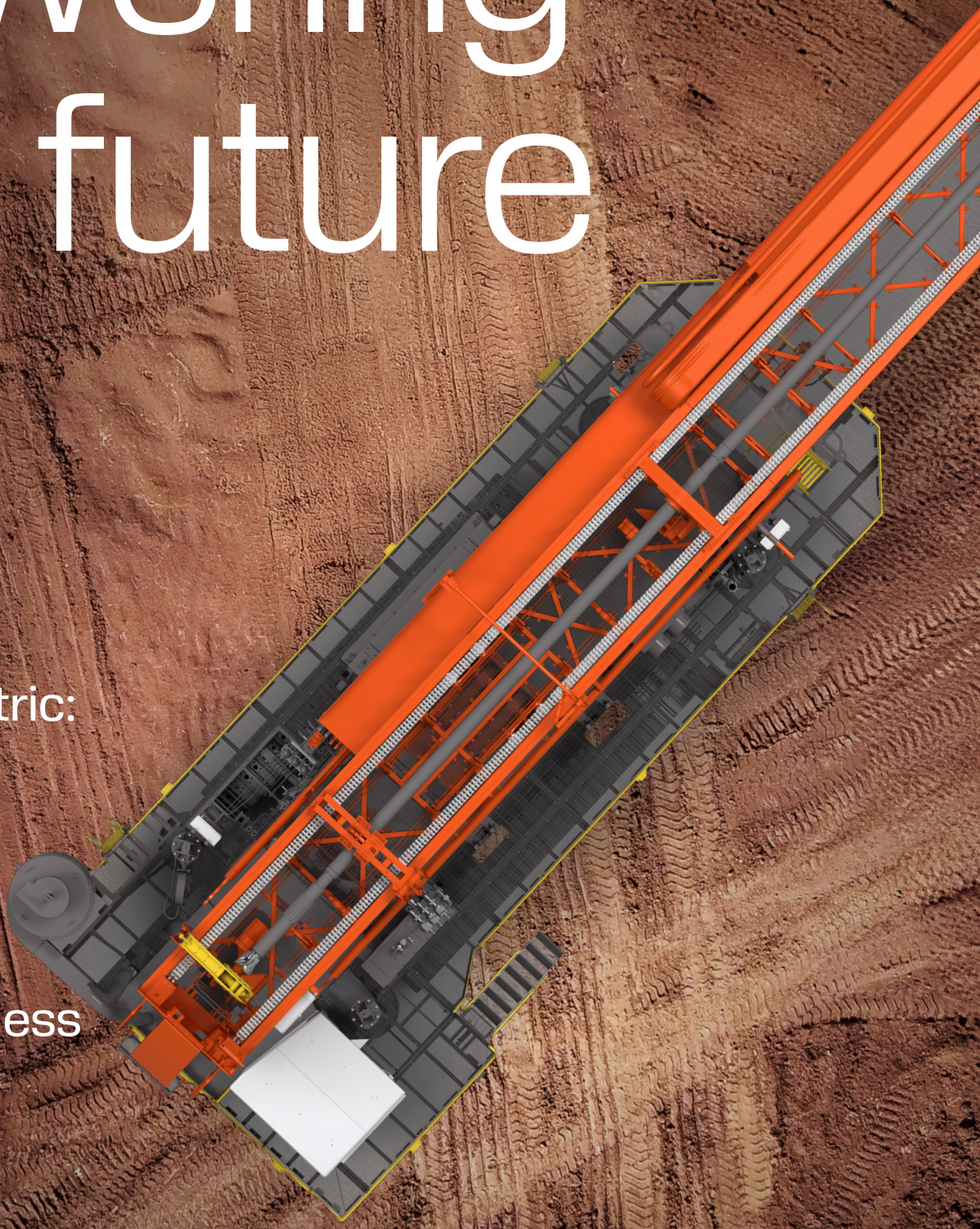
April 2025

Powering the future



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Why the shift to electric?

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Modular rigs perform with less maintenance

A practical guide to electrification in surface mining

SANDVIK



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Introduction to modular electric-powered rigs

The era of electrification is in full swing, bringing new opportunities for efficiency and sustainability. In mining, the push for lower carbon emissions and better performance is gaining momentum, with the Global Reporting Initiative (GRI) advocating for greater transparency and a 30% reduction in emissions by 2030. That shift is already underway.

Take a look at the diesel DR416i below on the left. To your right, its counter, a DR416iE. What sets them apart? Power. It's a subtle change that's not immediately visible but has a major impact on how mines operate today and in the future—where the industry is headed.

Sandvik's iSeries family of rotary blast hole drill rigs, designed to simplify and automate operations, thrust us into a new age of surface drilling technology. With the latest introduction of electric power, Sandvik is at the forefront of the electrification revolution in mining. We've taken the innovation of our diesel iSeries rigs and updated them with a modular design.

The modular platform delivers rotary customers the option of a seamless transition from one technology to another—diesel to electric. Everything about the machine stays remotely the same but with added environmental benefits and electric-powered equipment versus fuel-powered equipment.

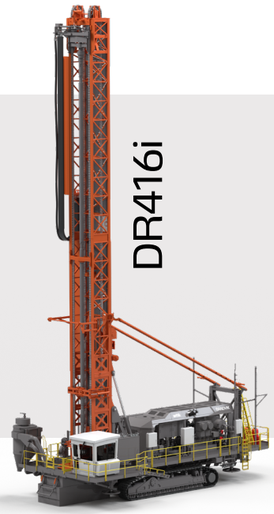
Our modular electric-powered rigs address a growing demand for more sustainable and energy-efficient surface drilling in the mining industry. These rigs fulfill solutions to some of the field's most pressing challenges, such as:

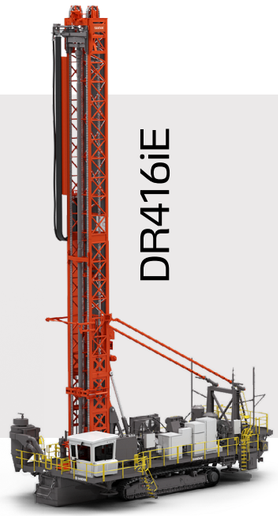
1. Lowering carbon emissions
2. Maximizing uptime
3. Advancing safety for operators

Maximized productivity.

Highly automated.

Environmentally responsible.

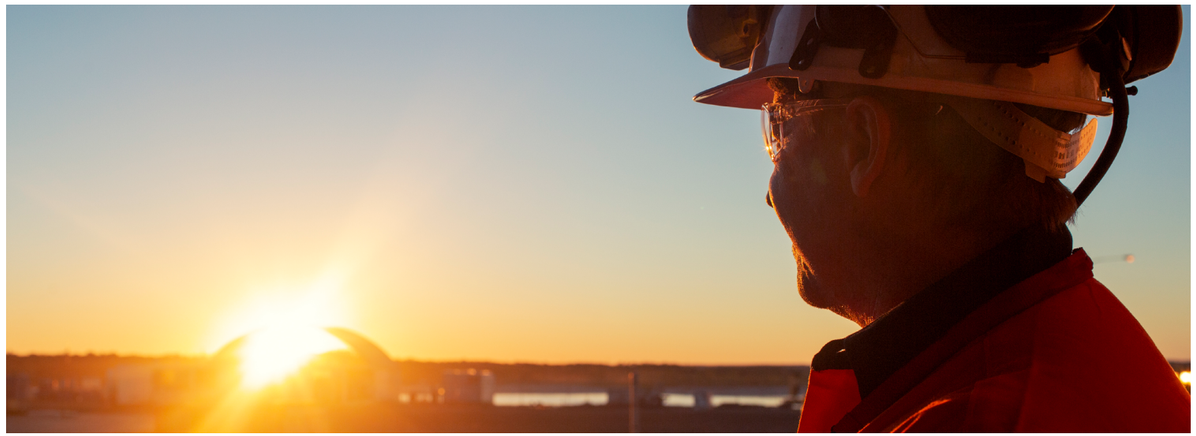




What's the significance of going electric?

Mining, historically, hasn't been the most sustainable field due to its heavy reliance on fossil fuels and emission of CO_2. We acknowledge that repositioning to electrification is just one part of the solution.

In 2021, mining and metals processing alone were responsible for about 10% of global industrial energy use and CO_2 emissions, according to the International Energy Agency's (IEA) *Global Energy Review: CO_2 Emissions* report.



Switching to electric is good for the future of mining—and the planet.

The world still needs to mine metals and minerals but with less of an environmental impact. As renewable energy and sustainable practices grow in demand, Sandvik Mining and Rock Solutions looks to future-proof mining. Already, the shift to electrification is happening.

50%

increase in new electric-powered drills expected in the near future

30-35%

of new drills sold are electric-powered

Up to 5,200 large rotary blast hole drill rigs are in operation around the world today, and annual sales are around 400 per year. Our diesel rigs use the same modular platform, as mentioned above, which allows for easier conversion to electric. This makes them more efficient, affordable, and sustainable compared to purchasing a completely new electrified rig.



A commitment to sustainability opens more doors

The electrification of diesel-powered machines is just one aspect of how the drilling process is changing. It could be seen as an interim step, looked at holistically and with a longer-term perspective. In the future, mining operations could be powered by a mix of alternative and sustainable fuel sources, including batteries, hydrogen, biodiesel, and biogas.

Serious miners understand that radical steps must be taken to remain relevant in a century defined by our approach to energy.

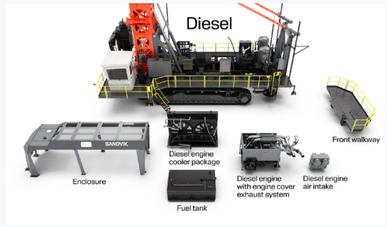
Drilling is a key part of the mining industry's shift from outdated, high-impact practices to cleaner, more efficient processes. As technology advances and sustainability takes center stage, the future of mining will be defined by innovation and adaptability.

By adopting new energy solutions and optimizing operations, the industry can continue to meet global demand while minimizing its environmental footprint. The path forward isn't just about compliance—it's about building a more efficient, responsible, and resilient industry that sets a new standard for the future of mining.

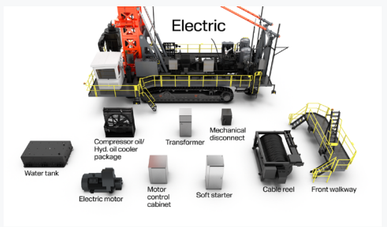
Modular systems are revolutionizing mining

The ingenuity behind modular systems is evident. For example, let's say a mining operator needs to replace an aging surface drill.

Traditionally, and somewhat modernly, the choice was rigid: buy a diesel rig or invest heavily in a fully electric one. Each has its own limitations.



Opt 1: The diesel machine had the range and reliability but wasn't meeting new emission targets.



Opt 2: The electric option was cleaner but came with concerns about electrical infrastructure and operational flexibility.

The stakes are high, and downtime isn't an option. Enter the modular drill system. This rig started with a diesel engine. As the mine began transitioning toward electrification, its modular capabilities made it easy to swap out diesel components for electric ones. No need to purchase an entirely new rig or retrofit your new equipment at an OEM site. Instead, the rig could be converted in the field or a local workshop. The switch was as seamless as swapping parts in a racing car pit stop.

The beauty of the modular design is in the numbers.

By introducing scalability, flexibility, and ease of upgrade, the modular electric-powered systems help operations adapt to challenges while staying productive and cost-efficient.

Key metrics that highlight the future of electric rigs

15-20 years

Average lifespan of a blast hole drill rig

60,000 hours

Average life estimate of an electric motor

20,000 hours

Average life estimate of a diesel engine

From energy to industry, renewable power is reshaping how the world operates. In mining, the shift is as much about innovation as it is about necessity.



Mining has always been about digging deeper. Now, it’s time to think bigger as the conversation around electrification leads the way.

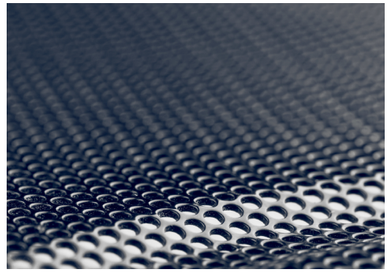
Why electrification is the future of mining

The global mining industry is responsible for up to 7% of greenhouse gas emissions.

Many industry stakeholders are eager to reduce emissions and their environmental impact. One of the main ways they can achieve this is by transitioning from diesel-powered to electric-powered rotary blast hole drills.

This shift supports a circular economy—minimizing waste and maximizing resource reuse—while reducing reliance on fossil fuels, cutting emissions, and helping mining companies meet global sustainability standards.







Current global sustainability standards hold miners accountable

The GRI Mining Sector Standard, a mandatory standard by 2026, emphasizes reporting on emissions, biodiversity, and energy use. It encourages mining companies to track and transparently disclose their progress in reducing their environmental footprint.

Sandvik's strategy for sustainability

Sandvik's approach to electrification prioritizes reducing carbon emissions, minimizing noise pollution, and improving workplace safety. Our strategy emphasizes environmentally friendly equipment without sacrificing performance or productivity.

↓ CO_2 Emissions

↑ Productivity

3 key innovations driving this change

- Modular platforms for seamless transitions.
- Advanced automation to improve precision and efficiency while reducing human error.
- IoT integration allows remote monitoring systems, ensuring rigs operate at peak performance.

Economic Benefits

Total cost of ownership (TCO): TCO refers to the cost of purchasing, operating, and maintaining equipment over its lifetime, including energy, maintenance, and replacement expenses. Electric-powered drills should significantly reduce the TCO compared with diesel-powered drills.

Reduced maintenance: Switching to electric power removes diesel components such as filters, cooling packages, exhaust systems, and fuel tanks. These components undergo considerable wear and tear, and regular maintenance interventions are needed every 500 to 1,000 hours of operation. A high-voltage electric motor saves about 68% of the time from maintenance-related costs.

Total demand: 30-35% of the total demand for electric rotary drills highlights how more customers are turning toward electrification of their fleets and cutting out their fuel costs by 100%.

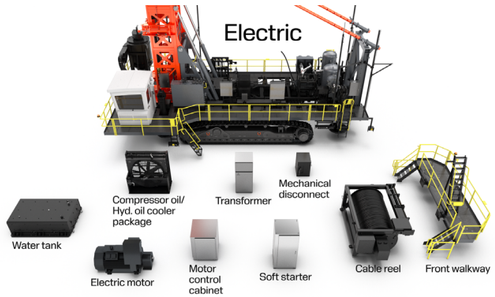
Higher productivity: Electric power has significantly less downtime, more uptime, and longer lifespans than diesel, so turning to it can help achieve higher productivity on projects.

Tax advantages: Companies that switch to electric power—thereby reducing CO_2 emissions—often benefit from receiving electricity at a subsidized rate compared with diesel fuel along with other local tax benefits.

How a modular design enhances flexibility and customization

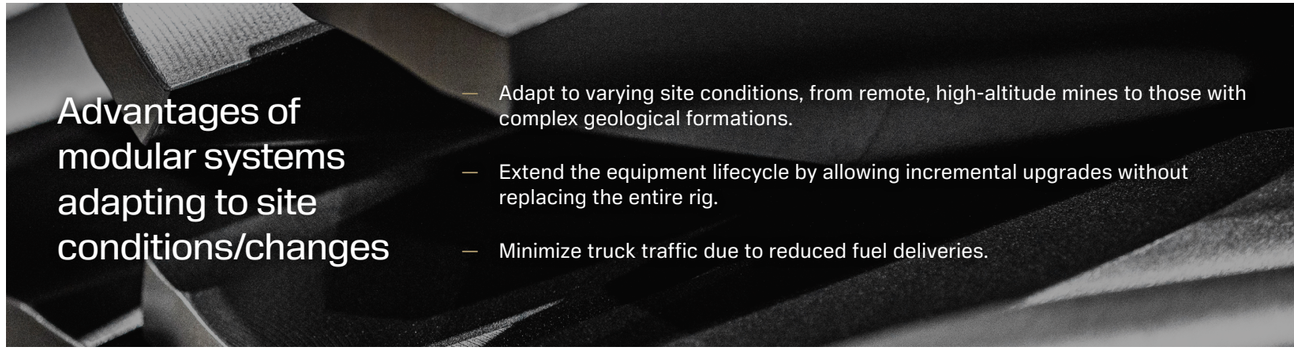
The power of easy equipment transitions

Mining companies looking to transition from diesel-powered engines to electric-powered drill rigs can do so easier with Sandvik's modular design. Designed with the electric motor power pack and the diesel motor power pack on a skid, these two can be swapped without replacing many components on the frame. Additionally, the piping, cooler package, and hydraulic system are all designed in a modular fashion, eliminating the need for extensive changes.



Video playback supported in Acrobat/Reader

> "We are undertaking the modular design carefully so that converting a next-gen diesel-powered machine to an electric-powered one can be done simply in a mine workshop rather than the manufacturer's factory."
>
> - Nellaiappan Subbiah, Product Manager, Rotary Drills at Sandvik Mining and Rock Solutions



Advantages of modular systems adapting to site conditions/changes

- Adapt to varying site conditions, from remote, high-altitude mines to those with complex geological formations.
- Extend the equipment lifecycle by allowing incremental upgrades without replacing the entire rig.
- Minimize truck traffic due to reduced fuel deliveries.

Where we're using modular electric-powered rigs

Mongolia copper mines

Sandvik's innovative modular design is making an impact on the Tsagaan Suvarga project, managed by the Mongolia-based company Mongolyn Alt MAK LLC. A key player in the country's mining industry, the mine extracts an impressive 1.6 million tons of copper and holds 66,000 tons of molybdenum reserves.

In a landmark move toward sustainability, Mongolyn Alt MAK LLC chose to implement five of Sandvik's electric DR410iE drills to enhance their fleet and operations. This shift will allow for easier customization, giving Mongolyn Alt MAK LLC the ability to scale its drilling operations while effectively reducing its environmental impact and improving safety. Coupled with intelligent and remote-operation capabilities, these rigs are set to enhance their drilling and blasting operations and pave the way for greater productivity.

The success at Tsagaan Suvarga has opened the door for a sister mine within the same company to adopt Sandvik's DR412iE models, further strengthening their commitment to a modern mining approach.





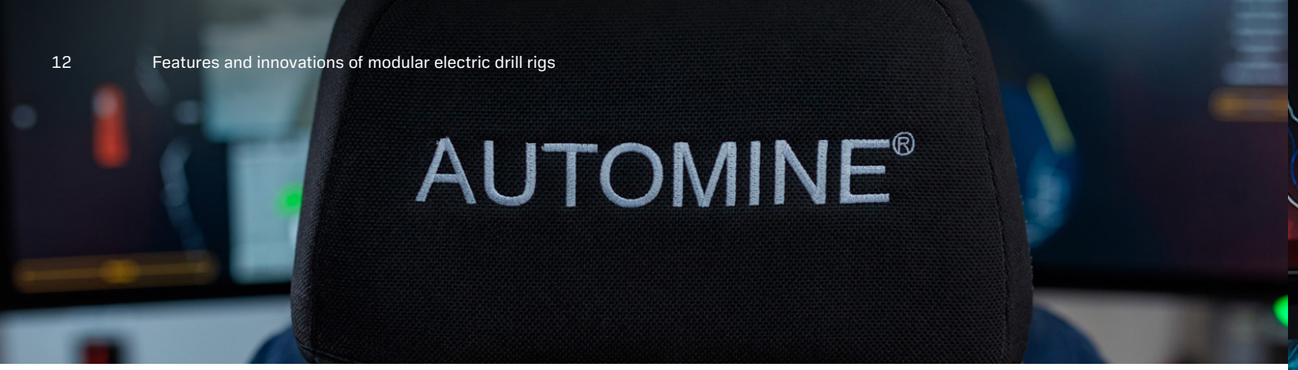


Plugging in to grid power

Integrating electric-powered drills into a surface mine requires considerable effort and planning. For any large open pit surface mine considering the adoption of electric equipment, the transition should extend beyond replacing diesel-powered drills with electric-powered ones.

The broader shift includes powering multiple pieces of equipment with electricity. Electric-powered drills typically operate at high voltages—4.4 to 7.2 kV—making installing large electric voltage supply lines exclusively for one or two drill rigs impractical.

Mines need to strategically plan an electrical grid that can support all the equipment. Some mines already developed their own power grids to make this transition to electricity easier. Site operators often use a combination of diesel-powered and electric-powered drills as part of their strategy, gradually shifting towards more sustainable practices without compromising operational efficiency.



Features and innovations of modular electric drill rigs

All about AutoMine®

AutoMine®, a trademarked Sandvik technology, allows operators to control and automate drilling operations remotely. The suite of tools reduces operator errors, increases efficiency, and supports fully autonomous drilling cycles.

Automation and smart controls

iDrill Platform: Offers precision drilling, faster cycle times, and advanced automation options.

IoT Integration: Real-time data collection improves performance and maintenance planning.

Safety

Electrification positively impacts the human aspect of operations. Electric-powered drills generate less noise, heat, vibration, and emissions than their diesel counterparts, making operations more environmentally friendly and less physically demanding for operators and maintenance staff.

The prime mover's reduced maintenance requirements, in turn, reduce human-to-machine contact. Consequently, drill and blast supervisors and other personnel can operate in safer conditions.

From the safety of a remote control room, monitoring operators oversee drill rig performance in real-time without needing to be on-site. Using advanced sensors and automated data feeds, they track critical machine metrics like:

- The precise location and depth of drilling.
- The speed and direction of rotation.
- Cable tension and reel positioning.

With remote visibility enhancement, our technology eliminates the need for operators to physically inspect the rig during operation, reducing exposure to hazardous environments such as falling debris, extreme temperatures, or high-noise zones.

Enhanced sensors detect potential issues before they become critical—reducing downtime and risk.



Sandvik's iSeries modular electric rigs come equipped with cutting-edge technology to improve safety, productivity, and sustainability.

We're paving the way to a net-zero mining future by offering electrified and digitalized solutions that simplify the transition for customers and improve site management.

Transitioning rigs to electric

Making the transition from diesel to electric is easier than you think. Our iSeries rotary drills can now accommodate both electric and diesel engine power. This innovative modular platform design will allow for a seamless transition from a diesel to an electric motor power source.

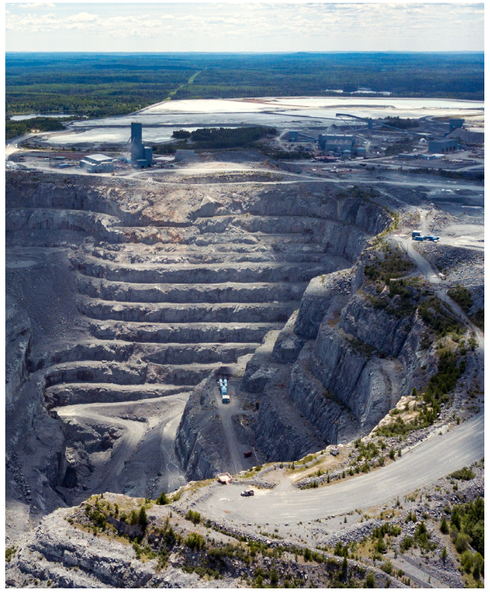
Sandvik will need to convert the customer's diesel rig into an electric rig as it is not possible to do unaided.



Addressing common challenges

The mining industry's shift from diesel to electric-powered drilling is a step toward achieving sustainability goals. However, such a significant transformation doesn't come without its challenges. Successfully transitioning to electric requires patience and a commitment to adapt. Let's break down some of the challenges and how they can be addressed effectively.





Re-engineering longstanding processes

For decades, mining operations have relied on diesel-powered systems, with well-established workflows built around this technology. Transitioning to electric rigs requires mining companies to:

1. Adapt their operations to integrate electric.
2. Train operators and maintenance teams to manage electric rigs and high-voltage systems.
3. Establish new safety protocols to address risks unique to electric equipment.

This re-engineering process demands an initial investment and commitment, however, these upfront adjustments pay off by creating more efficient and sustainable operations in the long run.

Managing high-voltage equipment safely

Electric drill rigs draw power from substations through high-voltage cables, which introduces risks like electromagnetic interference (EMI) between circuits. Maintaining safe and reliable practices in such high-voltage systems requires:

1. **Safety standards.** Companies must maintain safety standards to prevent hazards and minimize downtime.
2. **Advanced sensors and monitoring.** Modern electric rigs use intelligent systems to monitor EMI and other risks in real time, alerting operators to potential issues before they escalate.

By adhering to best practices and implementing these technologies, miners can lead the way in safely operating electric equipment in challenging environments.

Cable handling and mobility

One of the biggest challenges with electric drill rigs is the need to manage trailing cables. Rotary blast hole drill rigs often have a large cable reel at the back end of the machine with a trailing cable that gets pulled and connected to a substation. The machines receive electric power to operate all functions from the grid through the substation.

Unlike diesel rigs, which are self-propelled and can move independently through mine sites, electric rigs require manual relocation or assistance during certain tasks like blasting operations. In many open-pit mines, blasting occurs daily or every other day. Regulations require that all equipment, including drilling rigs, and personnel be cleared from the blast radius for safety.



Diesel rigs can move themselves out of harm's way, but electric rigs rely on external systems to relocate, temporarily complicating the blasting process.

Sandvik's cable management solution

Sandvik is tackling this issue with innovative designs to simplify cable management and movement. The sector must maintain ground-based controls for operations involving the loading and unloading of cables. Electric rigs now feature large cable reels that manage trailing cables efficiently, reducing downtime and effort required during relocation.

As more mines transition to electric rigs, many are adopting a hybrid approach—using both diesel and electric equipment to maintain flexibility. Having both types of rigs on-site helps operations stay efficient during the transition. Finding innovative ways to tackle mobility challenges will be key to making the shift to full electrification even smoother while keeping daily operations running without disruption.

The risk of non-compliance is depreciative to operations

Without adherence to prevailing regulations, miners could lose their licenses and permissions to operate. So, whether going into this willingly or unwillingly, miners must change.



"That need to change is seeing progressive miners of all sizes and specializations make investments in automation, digitalization, data analytics, and anything else that can aid their cause. But where the rubber hits the road—or rather where the drill meets the ground—is the place to start. In drilling, we see the advent of a massive transition from diesel to electric,"

- **Nellaiappan Subbiah**, Product Manager, Rotary Drills at Sandvik Mining and Rock Solutions

Power infrastructure and grid requirements

Our machines draw electrical power from substations connected to the power grid. However, building or upgrading the necessary electrical infrastructure can be a challenge, especially in remote mining locations.

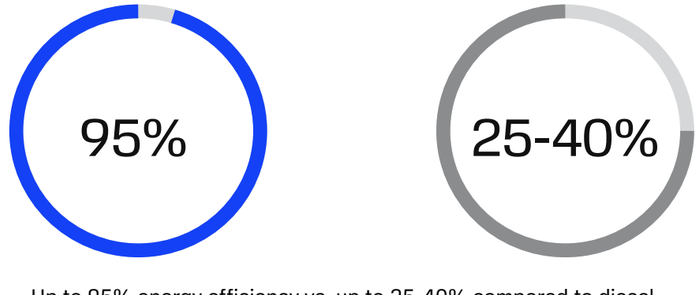
To address this, mines must invest in long-term planning to create an infrastructure that supports multiple pieces of electric equipment, not just a single rig. Some operations develop dedicated power grids to ensure seamless integration of electric rigs and other electrified equipment.

Although the infrastructure investment may seem daunting, you can expect scalability and operational efficiency for years to come.

Performance comparison against electric and diesel

Electric Diesel

Efficiency



Up to 95% energy efficiency vs. up to 25-40% compared to diesel.

Lifespan

60,000 hours

20,000 hours

Electric motors last up to 3x longer than diesel engines.

Maintenance

Frequency: Low
(Fewer moving parts & less heat generation)
Downtime: Low
(Reliable performance & predictive maintenance)
Costs: Low
(No diesel engine maintenance)
Repair complexity: Easier
(Less frequent & real-time diagnostics)

Frequency: High
(More moving parts & heat generation)
Downtime: High
(Mechanical failures & routine system inspections)
Costs: High
(Fuel system, exhaust systems & frequent repairs)
Repair complexity: Complex
(Diesel engine components & oil/fuel checks)

No matter the environment, our electric rigs dominate it.

Sandvik welcomes a whole line of electrified rigs in our rotary blasthole fleet. The Rotary iE Series offers a range that can handle the demands of high-altitude applications but with enhanced environmental benefits.

- DR410iE
- DR411iE
- DR412iE
- DR413iE
- DR416iE

Read more about their individual features on page 22.



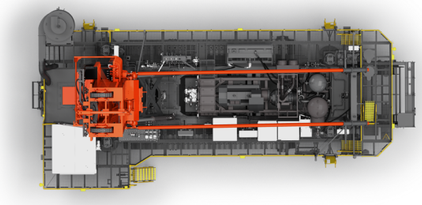
563-1044 kW
(755–1,400 HP)
Electric power group

152-406 mm
(6-16 in)
Hole diameter drill range

Sandvik's Rotary iE Series features a cutting-edge electric system designed for superior efficiency in challenging mining environments. One standout element is the integrated soft starter, which minimizes the impact on the mine's power grid, preventing disruptions to other equipment. These drills include multi-voltage and multi-frequency electric motors, providing outstanding flexibility for various mining conditions. The optional cable reel adds another layer of convenience, with ample capacity for connecting to the mine substation.

Taking on the hard rock formations with ease

When it comes to tackling tough rock formations, the Rotary iE Series drills excel in performance. Each drill is equipped with a heavy duty feed system, delivering top-notch pull-down force and increased weight on the bit. This translates into significantly faster penetration rates, meaning drilling in hard rock conditions takes less time. Thanks to the combination of higher weight and consistent force, the bit stays in contact with the rock and cuts more efficiently.



Maintenance and lifecycle of modular electric drill rigs

How modular electric drill rigs improve serviceability and reduce downtime

Modular electric drill rigs are designed for simplicity and efficiency. While the modular platform doesn't directly reduce maintenance, it provides flexibility by enabling easier upgrades and repairs. With fewer moving parts and a streamlined design, these rigs require fewer interventions compared to traditional equipment. The modular nature means individual components can be swapped or upgraded, reducing the need for full-system replacements and ensuring your equipment remains up-to-date and efficient.

With Sandvik, there are additional solutions that support these benefits, like remote monitoring and automation to help track performance in real time and address potential issues before they escalate.

"Diesel engines are complex systems with components that expierence significant wear and tear, requiring regular maintenance every 500 to 1,000 hours. Electric-powered machines eliminate most of these interventions, resulting in a maintenance time savings of roughly 68% compared to diesel."

- **Nellaiappan Subbiah**, Product Manager, Rotary Drills at Sandvik Mining and Rock Solutions

The role of remote monitoring in predictive maintenance

Remote monitoring plays a key role in reducing unplanned downtime. Intelligent technology systems integrated into the rigs digitally monitor and control performance, predicting breakdowns before they happen. Another way to put it is that remote monitoring services discover abnormalities in both machine usage and health to generate tangible remedial actions based on incoming data.

How does a remote monitoring service benefit operators overall? It enhances training by providing real-time performance insights, lowers fuel consumption through optimized machine use, and reduces climate emissions. It also streamlines operations by identifying bottlenecks and inefficiencies, reducing machine idling time—which directly cuts fuel use and CO_2 emissions.

How automation improves accuracy and reduces operator error

Alongside remote monitoring, Sandvik's approach towards automation under the trademarked AutoMine© product is similar. With the assistance of AutoMine©, operators can simultaneously control and monitor multiple surface machine operations in the safety of a remote control room. This hands-off approach cuts down on human error that comes with manually operating mining equipment.

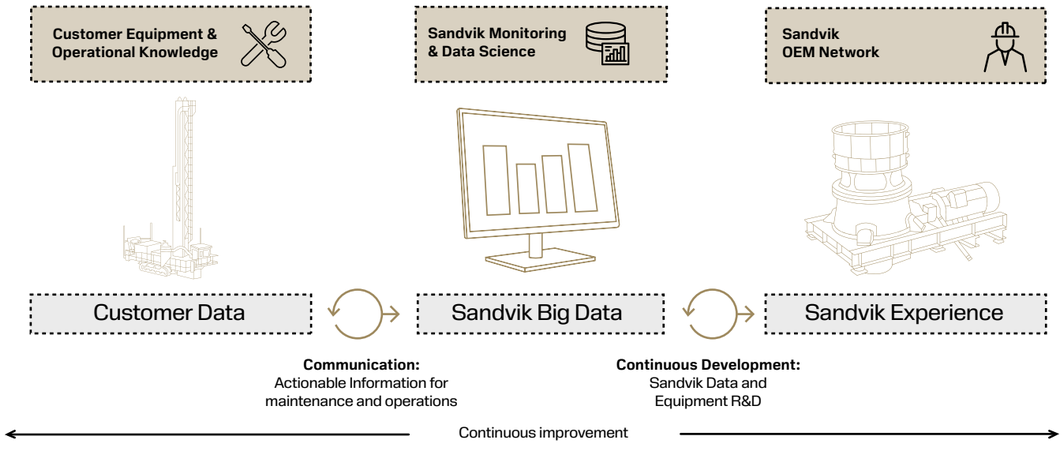
With real-time data automatically adjusting machine settings, critical parameters and potential issues are clearly highlighted, giving operators a chance to step in and take corrective action before problems escalate. Automated systems also improve accuracy, which helps reduce wear and tear and ultimately extends the rig's lifespan.

Predictive maintenance and its benefits in minimizing downtime

Remote monitoring and diagnostics are essential tools that help extend the life of electric and diesel drill rigs. With IoT-enabled diagnostics, real-time data from the rig can be accessed remotely to assess the health of individual components. This allows for quicker identification of issues, even before they cause disruptions. The ability to monitor performance remotely also means that adjustments or maintenance needs can often be identified and addressed more efficiently, reducing the need for frequent on-site interventions and saving time and resources.



Working in powerful partnership



The role of remote monitoring and diagnostics in extending the life of electric drill rigs

The modular design of these electric rigs not only simplifies repairs but also makes upgrading individual components a straightforward process. As technology advances, rigs can be retrofitted with the latest features, ensuring that they remain relevant and competitive without the need for a full overhaul. This adaptability extends the useful life of the rig and maximizes return on investment, allowing mining operations to benefit from cutting-edge technology while minimizing the environmental and financial impact of equipment replacement.

The future of modular electric drill rigs

At Sandvik, we're redefining what's possible with the next generation of modular electric drill rigs—designed to deliver unmatched performance, efficiency, and sustainability in mining operations worldwide.



New features. Elevated results.

Our latest modular electric drill rigs are engineered with innovative features that redefine how mining operations achieve results. Designed for maximum efficiency, these rigs offer enhanced modularity, allowing for quicker deployment and easier maintenance while minimizing downtime. Advanced automation capabilities now empower operators with greater control, enabling consistent drilling accuracy, and optimized performance in even the most challenging environments.

What truly sets these rigs apart is the ability to operate remotely from anywhere in the world. Whether your team is working from a nearby control center or halfway across the globe, real-time remote operation provides precision control without placing personnel in hazardous environments, significantly improving safety and productivity. With fewer human resources required at the drilling site, risks are minimized while efficiency soars.

Smarter integration with AI and emerging technologies

As the mining industry evolves, so do our drill rigs. Emerging technologies like artificial intelligence (AI) and battery-powered systems are reshaping the future of mining, and our modular electric rigs are built to keep miners ahead of the curve.

AI integration allows for real-time data analysis, providing actionable insights that help optimize drilling patterns, predict maintenance needs, and enhance decision-making for more efficient operations. By utilizing the power of AI, your rigs become smarter with every project—learning from past performance to improve future results.

Meanwhile, advancements in battery-powered systems reduce dependence on diesel fuel, significantly cutting emissions and supporting a more sustainable mining future. This shift not only aligns with global sustainability goals but also reduces fuel costs and operational complexity.

A versatile solution for every mining operation

The adaptability of our modular electric drill rigs makes them a game-changer across multiple mining applications. Whether you're working in hard rock, soft rock, or high elevations these rigs are engineered to handle diverse drilling conditions with precision and power.

Their modular design allows for scalable deployment, making them suitable for both large-scale operations and smaller, specialized projects. As global mining operations continue to diversify, the flexibility and efficiency of our electric rigs make them an ideal choice for companies looking to future-proof their drilling operations.

Why choose Sandvik?

When it comes to powering the future of mining, Sandvik's iSeries modular electric drill rigs stand above the rest. Built for performance, sustainability, and adaptability, these rigs redefine what it means to drill smarter. Whether you're upgrading your existing fleet or expanding your operation, Sandvik delivers unmatched innovation with a focus on long-term value.

DR410iE
Features:

- 634 kW (850 hp) electric drill engine power
- 152-251 mm (6-10.0 in.) hole diameter
- 32.3 m (106 ft.) maximum hole depth
- 14 m (46 ft.) first pass hole depth
- Centralized service center for improved utilization and less fluid fills
- Two-stage rotary head for extended fluid and component life



DR411iE

DR412iE
Features:

- 746 kW (1000 hp) electric drill engine power
- 203-311 mm (10.63-16.0 in.) hole diameter
- 32.9 m (107.9 ft.) maximum hole depth
- 17.65 m (57.9 ft.) first pass hole depth
- Centralized service center for improved utilization and less fluid fills
- Onboard diagnostics for higher operator awareness

Choosing the right rig for the job

Our iE Series rigs set a new standard for surface drilling technology, integrating the advanced automation and cutting-edge functionality explored throughout this book. Here's a closer look at what they offer.



DR410iE

DR411iE
Features:

- 634 kW (850 hp) electric drill engine power
- 171-270 mm (6.75-10.62 in.) hole diameter
- 24.4 m (80 ft.) maximum hole depth
- 16.8 m (55 ft.) first pass hole depth
- Two-stage rotary head for extended fluid and component life
- Traveling centralizer for reducing drill pipe wobble and reducing maintenance



DR412iE

DR413iE
Features:

- 746 kW (1000 hp) electric drill engine power
- 249-349 mm (9.88 -13.75 in.) hole diameter
- 24.6 m (80.7 ft.) maximum hole depth
- 17 m (55.7 ft.) first pass hole depth
- Onboard diagnostics for higher operator awareness
- Optional arctic enclosure package for additional protective layer against harsh elements



DR413iE



DR416iE

DR416iE
Features:

- 1044 kW (1400 hp) electric drill for high-capacity performance
- 270-406 mm (10.6-16.0 in.) hole diameter
- 42.4 m (139 ft.) maximum hole depth
- 21 m (69 ft.) first pass hole depth
- 420-meter cable reel for extended reach and operational flexibility
- Onboard diagnostics for higher operator awareness

Why modular electric drill rigs are built for today and tomorrow's mining needs

All rigs are AutoMine® ready to provide functionality for both onboard and offboard automated needs. For a more detailed look into each rig, download our iSeries family of rotary drills brochure.

These electric drills can be deployed at any mining site.

Our adaptable systems allow you to configure your drilling equipment based on your site's specific needs, making it easier to scale your operations, enhance productivity, and minimize unnecessary costs.

The modular design includes faster upgrades and easier component replacements—keeping your operation running with minimal downtime. This flexibility translates into long-term value, enabling you to optimize performance across different mining environments while reducing the need for multiple specialized machines.

Sandvik's leadership in electrification and sustainability within the mining industry

With over 600 electric units in operation, Sandvik has the largest installed base in the mining industry. We design for the future, with sustainability at the forefront and reducing overall emissions.

Take the lead in driving mining's future. Go electric. Go Sandvik.

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