

254 — 255 Annual Report — 2024

Strategic report
Business overview
Sustainable development
Corporate governance
Risk management
Investor information
Additional information

# Key risks

Nornickel's risks are all inherent to its strategic and operational development and business continuity goals. Key risks have a varying degree of effect on Nornickel's objectives.

### Price risk

Potential decrease in sales revenues due to lower prices for Nornickel metals is subject to actual or potential changes in demand and supply in certain metals markets, global macroeconomic trends, and the financial community's appetite for speculative/investment transactions in the commodity markets.

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
<ul> <li>Lower demand for metals produced by Nornickel</li> <li>A slowdown in the global economy in general and in the economies consuming Nornickel metals in particular</li> <li>Supply and demand imbalance in metals markets</li> <li>Replacement of metals produced by the Company with alternative materials</li> <li>Unfavourable monetary policy</li> </ul>	Upgrade of the existing and construction of new facilities to ramp up our output of key metals and maintain financial stability	<ul> <li>Effect on objectives: high</li> <li>Risk source: external</li> <li>Year-on-year change in risk: stable</li> </ul>	Nornickel is consciously accepting the existing price risk.  To manage this risk, Nornickel:  continuously monitors and forecasts supply and demand dynamics for core metals  secures feedstock supplies for key consumers through long-term contracts to deliver metals in fixed volumes  as a member of the Nickel Institute and the International Platinum Group Metals Association, works with other nickel and PGM producers to maintain and expand the demand for these metals  searches for new applications and uses for palladium

### Market risk

Lower competitiveness of Nornickel products in the market may result in their lower liquidity, discounts to the market price, and a decrease in Nornickel's income.

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
<ul> <li>Foreign regulators imposing new foreign trade restrictions that impact the Company's activities</li> <li>Competition from producers of cheaper nickel</li> <li>More aggressive transport electrification programmes, requirements on metals and their forms</li> <li>Stricter market requirements for product quality and ESG compliance</li> </ul>	Upgrade of the existing and construction of new facilities to ramp up our output of key metals and maintain financial stability	<ul> <li>Effect on objectives: high</li> <li>Risk source: mixed</li> <li>Year-on-year change in risk: stable</li> </ul>	To manage this risk, Nornickel:  monitors and analyses changes in market requirements for product quality and forms and for ESG compliance stimulates the demand for its key metals monitors changes in the vehicle fleet mix by engine type and requirements for metals used diversifies its metal product sales across industries and geographies improves and diversifies its product range cooperates with industry institutions to maintain access to relevant sales markets for its metals cooperates with Russian ministries and agencies to prevent/mitigate negative impacts of local or international regulation implements an ESG roadmap seeks partnership opportunities with key producers of cathodes for lithium-ion batteries fosters strategic partnerships with key representatives of its consuming industries engages in joint projects to drive nickel demand in Russia works on building and enhancing alternative PGM supply/trading platforms.



256 — 257 Annual Report — 2024

Strategic report
Business overview
Sustainable development
Corporate governance
Risk management
Investor information
Additional information

### Financial risks

This group includes FX, interest rate, and liquidity risks as well as other risks related to the financial security of the Company's operations and investments.

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
<ul> <li>Increased debt financing costs</li> <li>Deteriorating market conditions</li> <li>Sharp rouble exchange rate fluctuations</li> <li>Inability to raise debt financing due to deterioration in financial markets</li> <li>Lack of access to key segments of global financial markets (debt and derivatives), limited access to the foreign currency debt market</li> <li>Unexpected major expenses</li> <li>Counterparty credit risk</li> <li>Foreign regulators imposing restrictions that affect Nornickel's operations as well as its key business and infrastructure partners</li> </ul>	<ul> <li>A debt portfolio with a well-balanced profile in terms of maturity, currency composition, and sources of financing</li> <li>Maintaining a strong investment case</li> </ul>	Effect on objectives: high     Risk source: mixed     Year-on-year change in risk: stable	To manage this risk, Nornickel:  maintains a balanced debt portfolio  raises additional rouble-denominated debt to prevent a liquidity shortfall  holds liquidity reserves on the Group's balance sheet to ensure timely payments  monitors its account balances and existing cash gaps as well as the availability of liquidity reserves on its balance sheet  regularly evaluates key potential risk events through scenario modelling and develops prevention and response plans  constantly seeks new potential partners among borrowing and financial institutions, expanding and diversifying its financial infrastructure  uses different financial models for various purposes, expands the array of financial risk assessment tools (stress testing and reverse stress testing of all financial risks and risk factors considering their combinations, interrelations, and changes over time).

## Technical and production risks

Technical, production, or natural phenomena which, once materialised, could have a negative impact on the implementation of the production programme and cause equipment breakdown or result in the need to compensate damage to third parties.

ey risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
Harsh natural and climatic conditions, including low temperatures, storm winds, and snow load Unscheduled stoppages of core equipment caused by fixed assets' wear and tear Release of explosive gases and flooding of mines Collapse of buildings or structures Infrastructure breakdowns	Effective delivery of finished products (metals) in line with the production programme	Effect on objectives:     high     Risk source: mixed     Year-on-year change in risk: decreased	To manage this risk, Nornickel:  ensures proper and safe operation of its assets in line with the requirements of technical documentation as well as technical rules and regulations as prescribed by local laws across Nornickel's footprint  develops ranking criteria and criticality assessment for the Group's key industrial assets  ensures timely replacement of fixed assets to consistently achieve production reliability targets  continuously monitors the ongoing condition of Nornickel's buildings and structures via an information system for conducting geotechnical surveys  uses satellite technology to monitor Nornickel's assets and further analyse the data  implements automated systems to control equipment process flows, uses state-of-the-art engineering controls  improves its maintenance and repair system  trains and educates its employees both locally on-site and centrally through its corporate training centres  systematically identifies, assesses, and monitors technical and production risks, implements a programme of organisational and technical measures to mitigate relevant risks  continuously monitors the industrial asset management system  ensures risk review by collective bodies at all management system  ensures risk review by collective bodies at all management system  ensures risk review by collective bodies at all management system, including by engaging independent experts to assess the system's performance and completeness of risk data  develops its technical and production risk management system, including by engaging independent experts to assess the system's performance and completeness of risk data  develops and tests business continuity plans, which outline the steps that need to be taken by Nornickel's personnel and internal contractors in case of technical and production risks causing maximum damage. These plans ensure that Nornickel resumes its production operations as soon as possible after any disruption  engages, on a regular basis, independent surveyors to analyse Nornickel's exposure to di



58 — — 259 Annual Report — 2024

Strategic report
Business overview
Sustainable development
Corporate governance
Risk management
Investor information

### Investment project risks

Risk related to time and budget overruns as well as to failure to meet performance targets of Nornickel's major investment projects.

Kον	rick	factors	

- Changes in forecasts of ore volumes, grades, and properties resulting from follow-up exploration
- Changes in investment project timelines
- Further changes to budgets of investment projects
- Amendments to project performance targets in the course of implementation

### development goals and strategy Risk assessment

Changes in forecasts of ore volumes.
 Strategic goal: growth driven by Tier 1 assets

Effect on Nornickel's

- Developing Nornickel's mining, concentration, and metallurgical assets
- Developing the Company's mineral resource base and upgrading core production processes at Nornickel's Tier 1 assets

Key mitigants

Effect on objectives: To manage this risk, Nornickel:

- Risk source: mixed
   Year-on-year change in risk: stable
   carries out accelerated exploration and updates project performance targets and the mining plan (a long-term production plan) based on the progress of its major investment projects developing the mineral resource base
  - conducts resource, geomechanical, and hydrogeological modelling
  - holds external audits of geological data
  - develops an in-house geological and mining information system
  - models mining options in geological and mining information systems
  - as part of the project assurance process, conducts internal (cross-functional) audits of major investment projects at each stage in their life cycle
  - improves incentives to drive project delivery and build skills and capabilities (including staff certification, identification of improvement areas, and provision of tailored training)
  - improves project delivery standards, develops project management tools
  - promotes the use of pilot units across all technically challenging and unique processing stages
  - redesigns projects and substitutes supply routes to source materials/services from friendly countries
  - implements a transformation programme for a research institute to improve the quality and reduce the timelines of R&D projects and survey and engineering activities
  - enhances project management competences of project teams and ensures regular best practice sharing.

### Health and safety risks

Failure to comply with Nornickel's health and safety (H&S) rules may result in threats to health and life or temporary suspension of operations, or cause property damage.

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
<ul> <li>Suboptimal methods of work organisation</li> <li>Process flow disruptions</li> <li>Exposure to hazards</li> </ul>	Health and safety	<ul> <li>Effect on objectives: high</li> <li>Risk source: internal</li> <li>Year-on-year change in risk: stable</li> </ul>	Pursuant to the Occupational Health and Safety Policy approved by the Board of Directors, Nornickel:  continuously monitors compliance with H&S requirements  improves the working conditions for its employees and contractors deployed at Nornickel's production facilities, including by implementing new technologies and labour-saving solutions as well as through enhancing industrial safety at production facilities  provides employees with certified state-of-the-art personal protective equipment  improves the system of stationary gas analysers, provides employees with portable gas analysers  carries out preventive and therapeutic interventions and enforces hygiene protocols to reduce the potential impact of work-related hazards  provides regular training and briefings to employees on health and safety, assesses their health and safety performance, and conducts corporate workshops, including by deploying special simulator units  enhances methodological support for H&S functions, including through the development and implementation of corporate standards  improves the risk assessment and management framework across Group enterprises as part of the Risk Control project  reviews the competencies of line managers across Nornickel's production enterprises, develops H&S training programmes, and arranges relevant trainings  holds H&S competitions  communicates the circumstances and causes of accidents to all Nornickel employees, conducts ad hoc safety briefings  introduces frameworks to manage technical, technological, organisational, and HR changes.



260 -

Annual Report — 2024

Strategic report
Business overview
Sustainable development
Corporate governance
Risk management
Investor information
Additional information

### **Compliance risks**

The risk of legal liability, significant financial losses, suspension of production, revocation/suspension of a licence, loss of reputation, or other adverse effects arising from Nornickel's non-compliance with applicable laws, regulations, instructions, rules, standards, codes of conduct, or from the imposition of sanctions and/or other corrective measures by external supervisory bodies.

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
<ul> <li>Discrepancies in rules and regulations</li> <li>Considerable powers and a high degree of discretion exercised by supervisory bodies</li> <li>Regulatory instability</li> <li>Market practices driven by business customs and specific to the country</li> </ul>	Compliance by the Group with applicable laws, regulatory requirements, corporate standards, and business codes	Effect on objectives: medium     Risk source: mixed     Year-on-year change in risk: stable	To manage this risk, Nornickel:  ensures the development and update of key procedural documents on compliance  applies best practices to further improve the compliance system  takes measures to ensure its compliance with applicable laws  protects its interests during regulatory inspections and administrative proceedings  ensures that agreements signed by Nornickel contaic clauses safeguarding its interests  ensures pre-contractual due diligence of counterparties, partners, and suppliers  takes measures to prevent and mitigate compliance risks at the Group  consistently keeps employees up to date on the Company's requirements and measures to mitigate compliance risks  ensures that the Corporate Trust Line receives and handles reports of corruption, fraud, embezzlement, or other wrongdoing, either planned or committed  maintains and enhances an antitrust compliance system  ensures performance evaluation of compliance controls at the Group  incorporates compliance metrics in relevant officers' key performance indicators.

### Information security risks

This group includes risks such as potential cybercrimes, a potential unauthorised transfer, modification, or destruction of data assets, disruption or reduced efficiency of Nornickel's IT services as well as business, technological, or production processes.

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
Growing external threats Unfair competition Rapid development of Nornickel's IT infrastructure and automation of technological and business processes Unlawful acts by Nornickel employees and/or third parties Working from home / hybrid work schedule and hiring remote employees outside Nornickel's regions of operation	Mitigation of the information security risk and risk of cyberattacks on Nornickel's information systems and automated process control systems	Effect on objectives: medium     Risk source: mixed     Year-on-year change in risk: stable	To manage this risk, Nornickel:  ensures compliance with applicable laws and regulations with respect to the protection of personal data, trade secrets, insider information, and critical information infrastructure  implements MMC Norilsk Nickel's Information Security Policy  categorises data assets and makes information security risk assessments  membeds and monitors compliance with corporate information security standards within information systems and automated process control systems  raises information security awareness among its employees  uses technical means to ensure information security of assets and manage access to data assets  monitors threats to information security and the use of technical protection means, including vulnerability analysis, penetration testing, cryptographic protection of communication channels, controlled access to removable media, protection against confidential data leaks, and mobile device management  develops information security regulations  sets up and certifies the Company's information security management system  implements measures to ensure safe remote access.



2 — — 263 Annual Report — 2024

Strategic report
Business overview
Sustainable development
Corporate governance
Risk management
Investor information
Additional information

### **Environmental risks**

This risk group includes events that result in environmental pollution, are not provided for in approved process flows and Russian laws, and affect the achievement of the Company's environmental goals.

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
Failure to comply with the requirements of environmental laws when operating the Company's facilities     Poor internal management and control     Delay in implementing environmental programmes and measures     Natural and climate phenomena	Compliance of business with applicable environmental laws, regulations, corporate standards, and business codes related to environmental protection	Effect on objectives: medium     Risk source: mixed     Year-on-year change in risk: decreased	To manage these risks, Nornickel:  develops, implements, and improves environmentally sustainable business processes and introduces advanced practices and approaches  has in place an incentive system and promotes environmental competencies of its employees  implements its Environmental and Climate Change Strategy  implements environmental initiatives across the Group  oversees environmental compliance and the implementation of environmental programmes and measures.

### Social risk

Tensions may escalate among the workforce due to the deterioration of social and economic conditions in Nornickel's regions of operation.

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
Headcount / staff composition optimisation projects     Rejection of Nornickel's values by individual employees and/ or third parties     Limited ability to perform annual wage indexation	Social responsibility:  Partnering with regional and local authorities to develop a social infrastructure that supports a safe and comfortable living environment for local communities	Effect on objectives: medium     Risk source: mixed     Year-on-year change in risk: stable	To manage this risk, Nornickel:  strictly adheres to the terms and conditions of collective bargaining agreements between Group companies and employees (the Group has signed a total of 22 collective bargaining agreements)  interacts with regional authorities, municipalities, and civil society institutions  fulfils its social obligations under public-private partnership agreements  runs corporate social responsibility programmes and the World of New Opportunities charity programme aimed at supporting and promoting regional community initiatives, including by indigenous peoples of Taimyr, and the Plant of Goodness employee volunteering programme

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
Dissemination of false and inaccurate information about Nornickel's plans and operations among Group employees     Reallocation of funds originally intended for social programmes and charity	<ul> <li>Facilitating the employees' professional and cultural development and building up talent pools across Nornickel's regions of operation</li> <li>Running wide-ranging charity programmes and projects</li> </ul>		<ul> <li>implements infrastructure projects to support the accelerated development of the service economy and improved living standards across Nornickel's regions of operation through the Norilsk Development Agency, the Second School centre for community initiatives in the Pechengsky District, and the Monchegorsk Development Agency</li> <li>carries out regular sociological monitoring across its operations</li> <li>surveys Norilsk residents on living standards, employment, migration trends, and general social sentiment to identify major issues</li> <li>runs social projects and programmes aimed at supporting employees and their families as well as Nornickel's former employees</li> <li>maintains dialogues with stakeholders and conducts stakeholder questionnaire surveys when preparing the Group's public sustainability reports</li> <li>provides a range of social support measures to redundant staff under the Kola operations' social programmes and designs the Social and Economic Development Strategy of the Pechengsky District.</li> </ul>

## Supply chain risks

Supply chain interruption/disruption within the existing transport and logistics system.

Key risk factors	Effect on Nornickel's development goals and strategy	Risk assessment	Key mitigants
<ul> <li>Challenging         natural and         climatic conditions         in the regions         of operation</li> <li>Limitations         of the transport and         logistics system</li> <li>Growing inflation, FX         rates, pricing pressure         from suppliers, poor         planning, and other         factors</li> <li>Breach of contracts         by contractors</li> <li>Foreign regulators         imposing restrictions         that affect Nornickel's         operations and its key         business partners</li> </ul>	Effective delivery of finished products in line with the production programme     Timely supply of products to consumers	<ul> <li>Effect on objectives: medium</li> <li>Risk source: mixed</li> <li>Year-on-year change in risk: stable</li> </ul>	To manage this risk, Nornickel:  actively engages Russian manufacturers to expand competition  uses long-term agreements / contracts / price lists with fixed optimal prices for materials, equipment, and spare parts on terms that are most beneficial for the Company  drafts lists of critical manufacturers of equipment and materials, works to prevent supply disruptions, and monitors the suppliers' performance  implements its Logistics Infrastructure Development Programme  implements its Procurement Performance Enhancement Programme.