

Depth of Expertise,
Breadth of Knowledge.

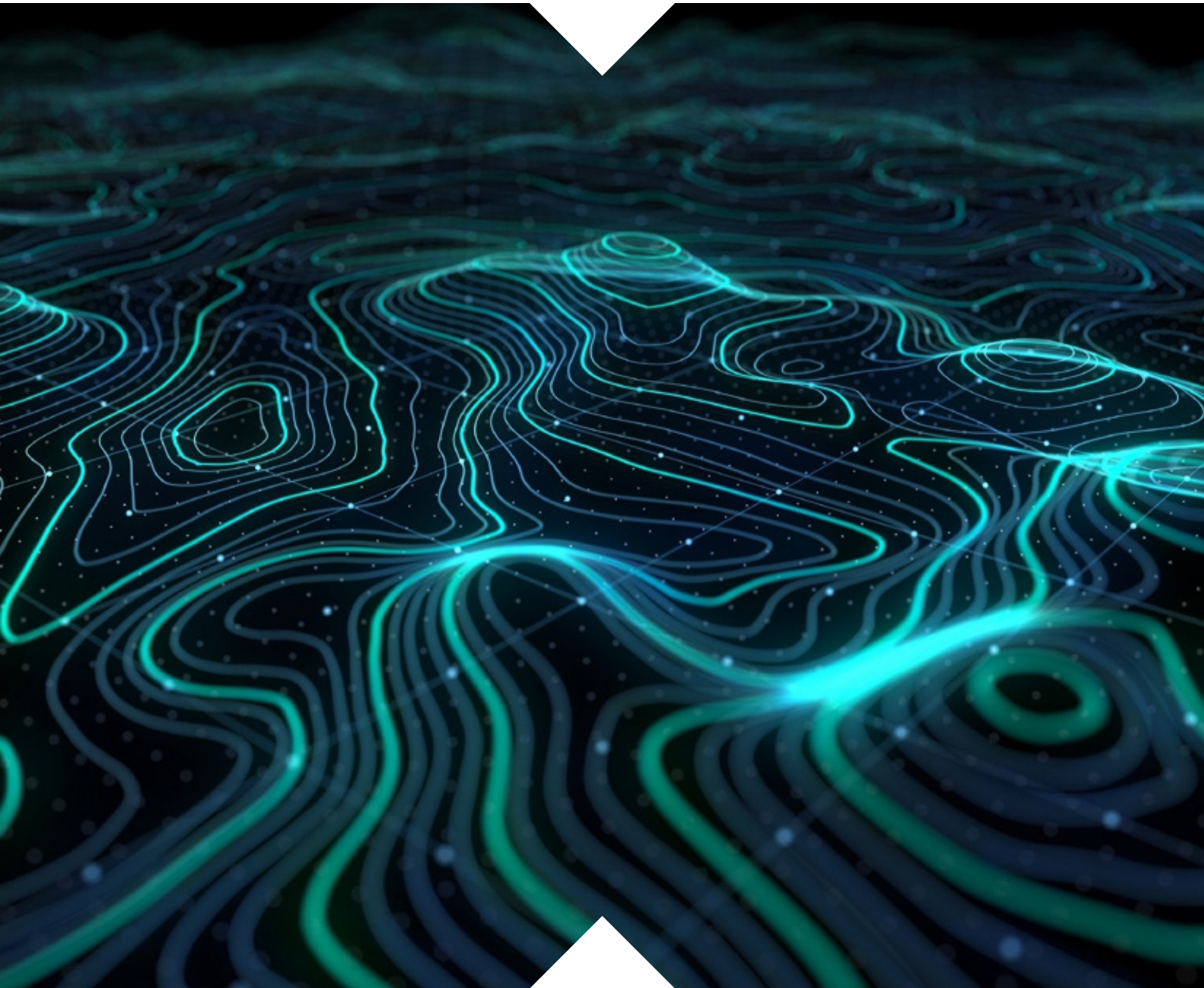




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ABOUT US

Actionable Solutions, To Reach New Heights.

When a wealth of experience meets forward-thinking innovation, a breakthrough is born. For us that breakthrough is Minception, a unique consultancy designed to solve the complexities of today's mining industry.

The brainchild of one of India's oldest mining companies with a strong international presence, Minception helps exploration, mining and mineral companies optimize their growth through multi-disciplinary consultation services. With our 70-year-old legacy backed by strategic partnerships, we provide integrated and practically implementable solutions that transcend geographies and commodities.



CONTEXT

Simplifying Complexity, Achieving Success.

From volatile market conditions to resource scarcity and environmental bottlenecks, the mining industry has seen it all. However, mining companies have never faced more complex challenges than the present.

The foremost challenge is the rapid depletion of high-grade ore deposits, making it incredibly hard to discover and develop new mining sites. While the increasing awareness and action on environmental challenges have made it crucial for mining companies to adopt sustainable practices, implementing them without affecting productivity is often easier said than done. Lack of process control, skilled labour, technological prowess and worker health & safety are some of the other issues plaguing the mining industry.

WHY US?

Our Legacy, Your Future.

Mining projects of today need an experienced knowledge partner equipped to tackle the complexities of the present landscape. Minception, built on a legacy-rich foundation, is that partner. Our team of global experts carry collective operating and technical experience in exploration, cartography, GIS, mining, mineral processing, plant engineering, financial modelling, project evaluation & management, open innovation, value engineering, multi-modal logistics, and mineral sales & trading.



90K⁺

Metres of drilling,
logging & interpretation
of sub-surface orebody
in greenfield and
brownfield projects

12^{million}

Hectares of
reconnaissance
prospecting
for multi-metal
commodities

180⁺

Hectares of
eco-friendly
rehabilitation
of total waste
rock dump

34^{million}

Cubic Meters of
the volumetric
survey at mines
and stocks

1400⁺

Hectares detailed
geological mapping

1500⁺

Hectares of
contour survey

82⁺

Mining plans
prepared

10^{million}

Tonnes of tailings
conserved

50^{million}

Tonnes of iron ore
processed

3300⁺

Hectares of
mine surveyed

13^{projects}

Obtained forest
clearance per Forest
Conservation Act

21^{projects}

Reserve estimation
completed

INNOVATION

Our Innovation, Your Advantage.



An industry that was once conservative when it came to technology is now in the cusp of a digital transformation. After spending decades following traditionally laid methods of mining, we have pioneered an innovation-first approach to tackle the changing geographical and logistical challenges faced by the mining industry.

At the heart of Minception's future-forward thinking is Prospect Mining Studio, a joint venture between Vimson and New York-based Newlab, that specialises in nurturing the future of mining through collaborations with industry experts, tech entrepreneurs, venture partners, and eminent researchers from around the world. Backed by these strategic partnerships, we offer socially-responsible, viable solutions built on frontier technologies that provide an unprecedented advantage to mining operations in today's landscape.

SERVICES

Diverse Needs, Comprehensive Services.

Helmed by industry leaders, our all-encompassing portfolio of services makes us a leading solutions provider for mining operations of any scale.



MINING



Geospatial Services

We reinforce mine planning activities with accurate geospatial data obtained using precision-boosting survey tools and software. Our site-specific survey schemes use hyper visualisation techniques that deliver accurately, every time.

- Topographic survey of greenfield & brownfield sites
- 3D terrain model generation
- Cut & fill volume survey

MINING

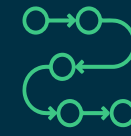


Exploration

A quintessential part of the mining process is the exploration of potential mineral deposit sites. We use advanced exploration technologies to design and implement tailored strategies for each project Window.

- Exploration through mapping, geochemical sampling, drilling & more
- Airborne and ground geophysical prospecting
- Remote sensing data interpretation

MINING



Mineral Processing

Our expert metallurgists and engineers follow updated, scientifically-backed methods to help design and implement sustainable mineral processing operations with optimum returns.

- Metallurgical testing & development
- Construction & commissioning of ore processing plants
- Process engineering of plant designs & flow sheets

MINING



Mine Engineering

Running a smooth mining operation requires a wealth of experience. Right from resource estimation to mine closure, we offer solutions for optimum production scheduling and effective unit operations

- End-to-end assistance from planning to operations
- Process mapping to improve operations

MINING



Mine Remediation

Mine closure and site rehabilitation are two of the most challenging aspects of mining operations. Our experienced crew is equipped to factor in these challenges and guide in integrating the remediation approach into the mine life cycle.

- Sustainable remediation approaches
- Overseeing reclamation process

MINING



Project Evaluation

Our team of multidisciplinary specialists can help mitigate risks and maximise the value of exploration and mining through a holistic, integrated approach.

- Feasibility studies
- Due diligence reviews
- Economic evaluations & risk assessment

MINING



Circular Mining

Tailings and waste rock dumps can pose ecological and social challenges for mining operations. We offer customised solutions to manage, repurpose or reprocess them to mitigate potential hazards, along with reducing the carbon footprint of the operations.

- Revenue-generation using mineral waste
- Sustainable solutions customised to the project's TRL

FORWARD
INTEGRATION



Logistics

End-to-end logistic solutions are imperative for the smooth functioning of every mining operation. Our expert team is adept at multimodal logistics including road transportation, inland waterways, transshipping, and ocean-going vessels.

- Forward pricing contracts
- Flexible post-fixture operation
- Guaranteed shipping insurance

FORWARD
INTEGRATION



Trading

With decades of diverse global trading expertise, we offer support to mining companies for exporting and trading in new markets. Through in-depth research, market monitoring, and analysis of industry trends, we assure maximised margins for clients.

- Strict KYC & documentation
- Financial risk mitigation

INVESTMENT DILIGENCE



Mineral Asset Valuation

Strategic investments are key to scale up volumes from diverse mineral assets and multiple commodities. Our expert evaluation highlights the risks and opportunities of every potential resource to help investors arrive at an informed decision.

- Analysis of resource potential, geotechnics & environment
- Assessment of commodity demand-supply & price dynamics



INVESTMENT DILIGENCE



Innovative Technologies

Our extensive network offers investors access to select innovative early-stage tech investment opportunities in the natural resources sector.

- Exclusive access to emerging technologies
- Product market fit analysis

PROCESS INNOVATION



Open Innovation

The new challenges of the mining industry require advanced solutions. Our partnership with tech entrepreneurs, emerging startups, and prominent researchers of frontier technologies enables us to provide innovative and sustainable solutions tailored to a project's needs.

- Access to our ecosystem partners
- Pilotable solutions
- Industry-first technologies

PROCESS INNOVATION



Technology Roadmap

Rapid developments in technological innovation have significantly impacted the mining industry in recent years. To stay competitive and alleviate risks, we offer mining companies technology-led solutions that work.

- Agile, tech-empowered mining process
- Efficient, cost-effective operations that prioritise environment & worker safety



THE TEAM

Our Team, Your Partners.

The comprehensive, future-forward solutions we offer at Minception would not be possible without our multidisciplinary team, handpicked from the wide pool of talent in our network. Driven by a passion for excellence and a sharp focus on sustainability, our team of experts consists of leading professionals from myriad fields.

OUR TEAM OF EXPERTS CONSIST OF



Surveyors



GIS Engineers



Geologists



Mining Engineers



Mineral Process Engineers



Logistics Experts



Environmental Scientists



Mineral Commodity Experts



Chemists



Financial Analysts



International Ore Trading Specialists



Technology Evangelists



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