

Providing Intelligent,
Efficient and Responsible
Digital Solutions for
Metals and Mining



Abstract

While most industries today are technology driven, the metals and mining enterprises have been laggards when it comes to adopting new technologies.

At Tech Mahindra, we provide digital solutions across the metal product value chain:

Exploration-Mining-Processing-Manufacturing-Distribution

Using our tailored solutions, we offer end-to-end visibility along with supply chain and analytics for measuring key performance indicators (KPI) across enterprises, operations, and users.

Implementing these innovative solutions increases business profitability, while improving safety, user experience, and ensuring compliance to environmental, social, and corporate governance (ESG) standards.

Introduction

The metals and mining industry is constantly confronted with roadblocks in the form of low profitability, under-skilled workers, safety, climatic challenges. Most companies as a result try to invest in upgrading and developing advanced capabilities. This helps to address unprecedented issues as well—COVID-19, geopolitical unrest, carbon emissions, and ESG compliances. Furthermore, the mining industry invests time and money in scalable sustainability solutions, such as renewable energies, remote operations, maintenance, etc.

Tech Mahindra offers innovative and tailored digital solutions across:



With these solutions, users can make more informed decisions & make better predictions across mines and metallurgical operations.

Our Solutions

We categorize and organize our solution offerings into pillars, each based on business and solution benefits.

(* Please refer below solution portfolio info-graphic in conjunction with the table on the next page)



SOLUTION PORTFOLIO

	A	B	C	D	E
	Production & Operation	Metals & Mining 4.0	Sustainability & Safety	Connectivity	Experience
1	Engineering Services	IIoT	Consulting services	Connected Mines	Metaverse
2	Planning and Scheduling	- Advanced Analytics - AI/ML - Digital Twin / Digital thread	Design assesment & Reporting	-Networks -(5G, LTE, WAN, LAN, Private Networks)	AR/VR/MR platform solution
3	MES-LIMS-Lab Automation -Systems (LAS)	i-Decision®	Responsible supply chain	Unified Communications	User Experience
4	- IT-OT Convergence - Data Management - Cyber Security - Service Now	Asset Management - Fleet & Fuel Management - Drones	Marketplace for circular economy		Commerce, Content
5	Supply Chain Management -ERP Solutions -Digital Dashboards - Mine-to-Market	Blockchain	Industrial Safety		
6	Managed Services	i-ROC (Integrated Remote operating centre) -Centralized monitoring & control command centre	Paperless Factories		
7		Autonomous Vehicles	Green IT & Data Center		
8	Platforms		i-Sustain Platform		
9	Cloud Services				
10	As-a-Service Model				
11	Consulting Services				

Benefits

As all digital solutions result in their own benefits, we have categorized the benefits under each bucket so you can get an overview of how our solutions can benefit you.



Production and Operation

- Improves Operational Efficiencies up to 20%
- Reduces Cost up to 18%
- Increases Customer satisfaction



Metals and Mining 4.0 (Industry 4.0)

- Optimizes Operation
- Bring Agility and Flexibility
- Improves Integration and Collaboration



Sustainability and Safety

- Improves Resource Utilization up to 15%
- Enables EHS Compliance
- Zero accidents and Improved Safety



Connectivity

- End-to-End Integration and Visibility
- Up to 10% Cost Saving
- Better Supply Chain Management



Experience

- Better User Experience
- Increases Customer Satisfaction
- Up to 30% Time saving

The NXT.NOW™ Advantage

As part of its "3-4-3" organizational strategy, TechM has demonstrated its capabilities in digital technologies in the metals and mining space. At TechM, our "New Age Delivery" approach can help in software transformation, cloud solutions, artificial intelligence (AI), and building connected systems.

TechM's 3-4-3 strategy encompasses three major trends, the four big bets we have made, and our three important objectives as we call it NXT.NOW™.

3 Mega Trends

Efficient- Resilient-
Distributed operations

Sustainable product - production

Zero accident & Safety-Security

4 Big Bets



Smart Product



Factory & SCM



Mobility



Servicification and CX

Address 3 Objectives



Imagine



Build



Run

We are striving to be the company that brings together the three most important trends of the metals and mining industry. With NXY.NOW™, we aim to enhance customer experience, build an IoT-connected world, pursue software transformation, and build tomorrow's networks to support this strategy today.

TECH mahindra



www.youtube.com/user/techmahindra09
www.facebook.com/techmahindra
www.twitter.com/tech_mahindra
www.linkedin.com/company/tech-mahindra
www.techmahindra.com
top.marketing@techmahindra.com

Copyright © Tech Mahindra 2023. All Rights Reserved.

Disclaimer. Brand names, logos and trademarks used herein remain the property of their respective owners.