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UNITWIN

Pioneering Knowledge-Based Solutions for Sustainable Development and National Resilience in Iran

In the 21st century, knowledge-based enterprises and associations play a pivotal role in driving sustainable development and enhancing national resilience, particularly in developing economies like Iran. These entities leverage innovation, advanced technology, and specialized expertise to tackle critical challenges such as resource scarcity, environmental degradation, and economic instability.

By fostering robust research and development (R&D), accelerating technology adoption, and bridging the gap between academia, industry, and government, knowledge-based organizations deliver sustainable solutions tailored to local contexts. In Iran, where economic diversification and environmental sustainability are pressing priorities, these associations empower core industries—including agriculture, energy, and mining—to adopt eco-friendly practices, optimize resource utilization, and reduce reliance on non-renewable assets.

Furthermore, by cultivating a highly skilled workforce and nurturing a culture of innovation, they fortify national resilience against external shocks, from global market fluctuations to climate change. Ultimately, knowledge-based enterprises serve as catalysts for sustainable growth, enabling Iran to achieve long-term economic, social, and environmental stability while positioning itself as a competitive player in the global knowledge economy.



PREFACE

In an age where the challenges posed by environmental degradation, resource scarcity, and climate change are at the forefront of global discourse, Intelligent Geo-Mine Company (IGM) stands committed to pioneering innovative solutions in the field of earth sciences. Established in January 2025 as a private joint-stock company in Iran, IGM is dedicated to leveraging the transformative power of artificial intelligence (AI) in geological research, mineral exploration, and resource management. Our mission is rooted in advancing scientific knowledge and promoting sustainable practices that address the pressing challenges faced by our planet.

In an era where technological advancements continuously reshape industries, IGM aims to be at the forefront of integrating AI and emerging technologies into geological and mineral exploration. Our vision encompasses the development and provision of innovative solutions that not only enhance exploration efficiency but also promote sustainable practices in resource management. Recognizing the growing significance of AI in processing vast quantities of geological data, IGM is committed to developing cutting-edge technologies that improve decision-making and operational effectiveness.

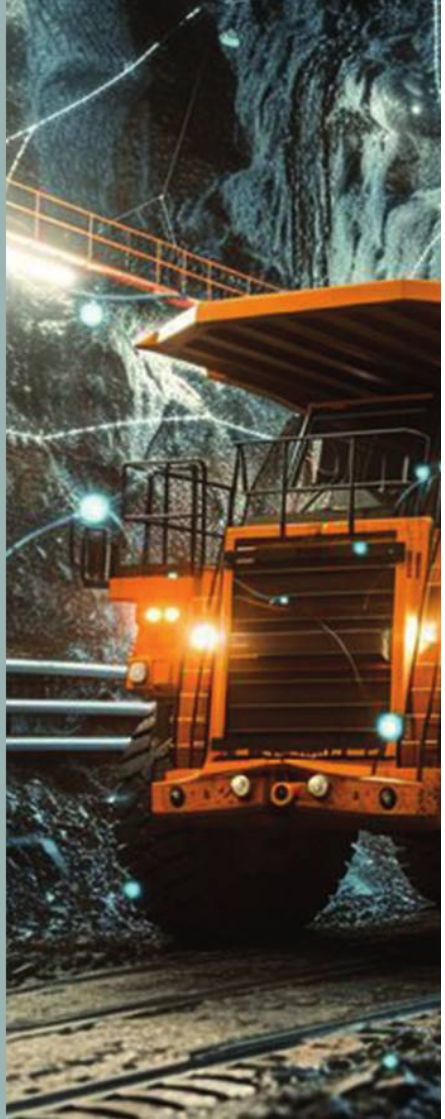


Our activities are underpinned by the premise that AI can significantly augment traditional methods, yielding faster and more accurate results in geological surveys, data analysis, mineral prospecting, and resource evaluation. By utilizing machine learning algorithms and advanced data analytics, IGM aspires to transform intricate geological datasets into actionable insights that empower stakeholders in the mining and environmental sectors.

At the core of IGM's strategy is a focus on collaboration and knowledge exchange with national and international entities engaged in geological research. We aim to forge strategic alliances with universities, research institutions, and industry partners, facilitating joint projects that drive innovation and deepen our understanding of earth sciences. Through these collaborations, we seek to address key challenges in the field, including the efficient identification of mineral deposits and the mitigation of environmental impacts associated with mining operations.

Our commitment to scientific integrity and research excellence positions IGM as a leader in advancing geoscience methodologies. Furthermore, IGM recognizes the importance of sustainable management of natural resources. In our exploration and exploitation activities, we prioritize methods that are not only economically viable but also environmentally responsible. Our goal is to minimize ecological footprints while maximizing resource recovery, ensuring that the benefits of our activities extend to local communities and ecosystems. We are dedicated to implementing best practices in environmental stewardship and to raising awareness of the importance of sustainable resource utilization across all sectors involved in earth sciences.

As IGM expands its capabilities, we focus on obtaining the requisite permits and certifications to operate within legal frameworks, ensuring strict compliance with regulatory standards. This commitment to governance reflects our dedication to transparency and ethical business practices. We aim to establish a robust operational framework that supports our long-term sustainability objectives and satisfies the needs of our clients, partners, and stakeholders.



In summary, Intelligent Geo-Mine Company is poised to redefine the landscape of geosciences through the strategic application of artificial intelligence and innovative technologies. We envision a future where our insights contribute not only to the productivity of the mining and geological sectors but also to the broader goals of environmental sustainability and responsible resource management. Our pursuit of excellence, ethical practices, and collaborative partnerships underpins IGM's operations, positioning us as a catalyst for positive change in the earth sciences community. Through our commitment to these principles, IGM aims to become a pivotal player in the evolution of geoscience technologies and practices in Iran and beyond.





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REMARKS FROM THE CEO

Prof. Hamid Nazari
CEO of Intelligent Geo-Mine Company (IGM)



As the CEO of Intelligent Geo-Mine Company (IGM), I am thrilled to introduce our vision and unwavering commitment towards transforming the landscape of earth sciences through the innovative power of artificial intelligence.

Our mission extends far beyond conventional geological and mineral exploration; we are here to spearhead technological advancements that protect our environment, respect the communities we operate in, and foster high-level scientific collaboration globally. At IGM, we firmly believe that advanced technology is the ultimate key to unlocking sustainable solutions in resource management.

Our dedicated team of experts focuses on developing cutting-edge, AI-driven technologies designed to redefine industry standards and set new benchmarks for operational efficiency and safety. By forging strategic partnerships with both national and international organizations, we aim to harness collective expertise and drive meaningful advancements in geosciences.

Our core work remains deeply rooted in scientific integrity, environmental sustainability, and a relentless pursuit of excellence. Together, we are excited to embark on this transformative journey, paving the way for a smarter, more responsible future.

Thank you for your trust and support as we elevate IGM to new heights—where pioneering innovation meets global responsibility.





STATEMENTS FROM THE BOARD OF DIRECTORS



The Board of Directors of Intelligent Geo-Mine Company (IGM) is proud to express its unwavering support for our strategic vision and operational goals. We recognize the immense potential of artificial intelligence in revolutionizing the geological and mineral exploration sectors. Drawing upon our collective experience and commitment, we guide IGM towards a sustainable, technologically advanced, and prosperous future.

We firmly believe that robust growth must go hand-in-hand with ethical practices and environmental stewardship.

As we expand our operations, our focus remains steadfast on implementing sustainable practices that benefit not only our stakeholders but also the communities and ecosystems in which we operate.

The Board is dedicated to ensuring that IGM adheres to the highest standards of corporate governance, fostering an organizational culture that champions innovation while delivering exceptional value to our clients and partners. Our ultimate vision is to lead the industry in promoting responsible resource management, driven by precise data and cutting-edge technology. As we embark on this exciting journey, we invite our partners, clients, and stakeholders to join us in our mission to redefine the earth sciences industry for a better tomorrow.





COMPANY REGISTRATION ARTICLES

The Articles of Association of Intelligent Geo-Mine Company (IGM) are structured to provide a comprehensive and legally robust operational framework for the enterprise. The core foundation and strategic direction of the company are established within the primary provisions, which outline our identity and scope of operations as follows:

Article 1: Name and Legal Structure

The company is officially registered as "Intelligent Geo-Mine Company" (IGM), operating as a Private Joint-Stock Company under the applicable corporate laws.

Article 2: Scope of Activities and Objectives

The official mandate and business operations of IGM encompass a comprehensive range of geoscientific, technological, and commercial activities, including but not limited to:

- Advanced Technological Solutions: Utilizing artificial intelligence (AI), machine learning, and data analytics in earth sciences; developing and providing innovative technologies for geological and mineral exploration.
- Consulting & Technical Services: Offering specialized scientific services, strategic consulting, and comprehensive technical support for diverse earth science and engineering projects.
- Mineral Resource Development: Registering mineral exploration blocks, executing systematic exploration and exploitation programs, and managing mining and mineral processing operations.
- Commercial & Legal Operations: Participating in national and international tenders and auctions; entering into strategic contracts, joint ventures, and commercial agreements.
- Financial & Trade Authorizations: Securing corporate financing, credit facilities, and bank loans; acquiring official commercial cards for the import and export of related equipment, software, and minerals.
- Regulatory Compliance: Obtaining all necessary permits, licenses, and certifications from competent regulatory authorities to ensure lawful and ethical operations across all sectors.


COMPANY
REGISTRATION
ARTICLES
IGM



VISION STATEMENT

Intelligent Geo-Mine Company (IGM) is dedicated to revolutionizing earth sciences through the innovative application of Artificial Intelligence. By operating at the cutting edge of scientific knowledge, we transform mineral exploration and mining through the power of AI and our proprietary geospatial intelligence. Our ultimate focus is to provide advanced technologies and comprehensive consulting services that foster sustainable resource management and international scientific collaboration. By leveraging AI-driven insights, we enhance efficiency, safety, and environmental stewardship, ensuring the responsible and optimized exploitation of geological resources worldwide.





Mision & Goals

Intelligent Geo-Mine Company (IGM) recognizes the essential role of strategic collaboration in advancing its mission as a leading knowledge-based enterprise in earth sciences. Our partnership with the UNESCO Chair on Coastal Geo-Hazard Analysis and our active engagement with the International Scientific Council of Earth Scientists significantly strengthen our scientific reach and institutional capacity at both national and international levels.

Alongside these global alliances, IGM is deeply committed to building independent technical capabilities. By pioneering the in-house development of proprietary, high-performance software and hardware solutions, we tailor our services to the precise demands of geoscience and mining intelligence. This deliberate strategy reduces reliance on conventional commercial platforms and reinvests in technologies fully owned by IGM, reaffirming our status as an accredited knowledge-based company dedicated to building the infrastructure that will shape the future of geosciences.

Strategic Value of Our Global Partnerships :

1. Access to Elite Expertise & Resources

Collaborating with the UNESCO Chair grants IGM access to a wealth of advanced research, cutting-edge methodologies, and best practices in geo-hazard analysis and risk management. Integrating these insights allows us to address complex environmental and geological challenges with unparalleled precision.

2. Enhanced Research & Funding Opportunities

This partnership positions IGM to engage in high-impact joint research initiatives examining coastal hazards and their ecological impacts. Furthermore, leveraging UNESCO's expansive network opens vital pathways to international grants and funding dedicated to solving global environmental challenges.

3. Institutional Credibility & Trust

Our affiliation with the International Scientific Council of Earth Scientists reinforces IGM's credibility within the global geoscience community. This prestigious recognition establishes absolute trust with stakeholders, clients, and government bodies, positioning IGM as a validated leader in the field.

4. Global Networking & Policy Influence

Through these esteemed organizations, IGM connects with a worldwide network of scientists, researchers, and industry pioneers. This facilitates active knowledge-sharing and empowers IGM to contribute to and influence global policies regarding sustainable resource management.

5. Advanced Capacity Building

The UNESCO Chair and the International Scientific Council provide continuous professional development opportunities for our team. Through specialized workshops, seminars, and collaborative projects, we ensure our workforce remains equipped to tackle the industry's most intricate challenges.



The 8 Strategic Pillars of IGM

To achieve our long-term vision, IGM's core objectives are structured under eight definitive operational headings:

1. Technological Innovation
Develop and deploy state-of-the-art AI technologies for geological research to maximize accuracy and minimize environmental impact.

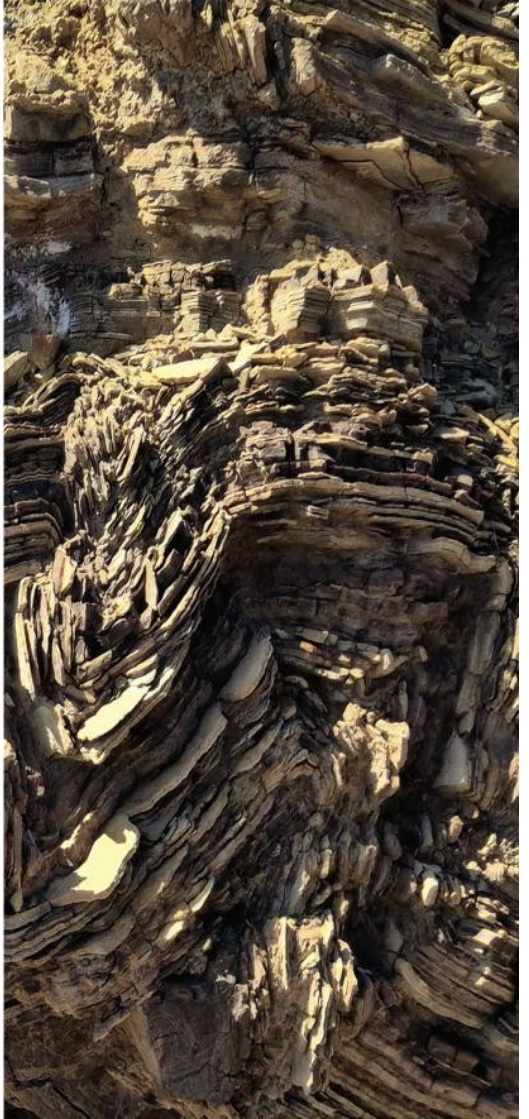
2. Scientific Collaboration
Expand national and international alliances to accelerate knowledge exchange and joint R&D projects.

3. Sustainable Practices
Pioneer eco-friendly mining and mineral processing methods that reduce ecological footprints and benefit local communities.

4. Market Presence
Broaden our commercial footprint by actively participating in domestic and international mining tenders and auctions.

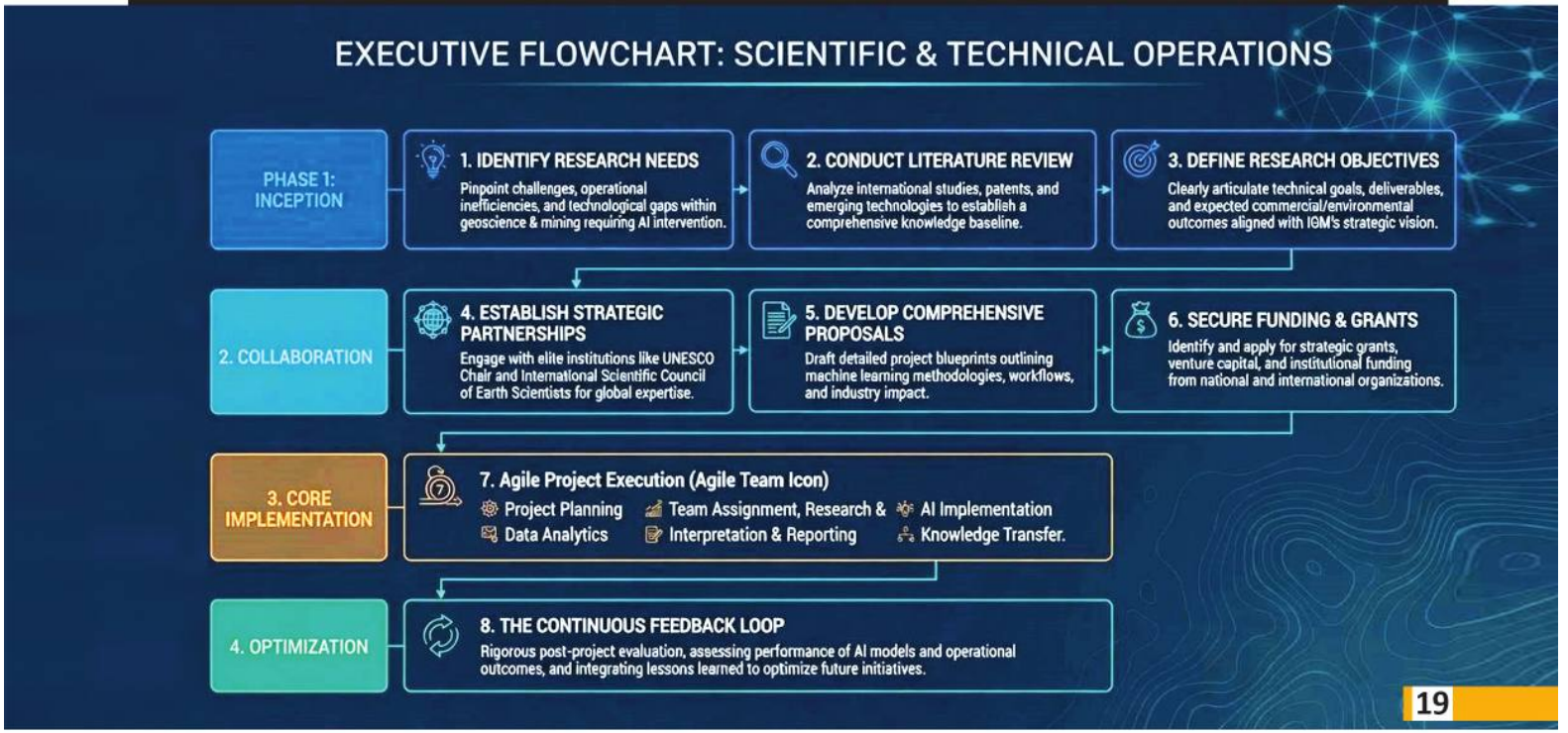
5. Client Support
Deliver premium consulting and technical support services tailored to the specific needs of public and private geoscience projects.

6. Regulatory Compliance
Ensure absolute adherence to legal frameworks while efficiently securing all necessary operational licenses and permits.



7. Financial Growth
Secure strategic financing and partnerships to fuel innovation, ensuring long-term profitability and corporate expansion.

8. Education & Training
Design training programs to educate stakeholders on the immense benefits of AI integration in earth sciences.





EXECUTIVE FLOWCHART FOR IGM - SCIENTIFIC AND TECHNICAL OPERATIONS

This flowchart outlines the key processes and activities involved in IGM's operations, emphasizing research, collaboration, and project execution.

1. Identify Research Needs:
The initial phase where IGM identifies specific challenges and gaps within the geoscience sector that require investigation.

2. Conduct Literature Review:
Research existing studies and technologies to gain insights into the current state of knowledge and identify areas for innovation.

3. Define Research Objectives:
Clarify the goals and expected outcomes of the research, ensuring alignment with IGM's strategic vision and objectives.

4. Establish Partnerships:
Collaborate with entities such as the UNESCO Chair on Coastal Geo-Hazard Analysis and the International Scientific Council of Earth Scientists to leverage their expertise and resources. This phase is crucial for fostering collaborative projects.

5. Develop Research Proposals:
Prepare detailed proposals that outline the methodology, objectives, and expected impact of the proposed research.

6. Seek Funding Opportunities:
Identify and apply for grants and funding opportunities from governmental and non-governmental organizations to support research initiatives.



7. Project Execution Phase:

- Initiate Project Planning: Develop a comprehensive project plan detailing timelines, milestones, and resource allocation.
- Team Assignment: Assign researchers and technical staff to specific roles based on their expertise.
- Research Implementation: Execute the project according to the established research plan.
- Data Collection and Analysis: Gather and analyze data, using AI and other technologies to enhance research findings.
- Results Interpretation: Interpret the data results to derive meaningful conclusions relevant to geological challenges.
- Prepare Reports and Publications: Document the research findings in reports, and prepare articles for publication in scientific journals.
- Disseminate Findings: Share results with stakeholders through presentations, conferences, and publications to foster knowledge transfer.

8. Feedback Loop:

Establish a feedback mechanism to assess the effectiveness of the re-search and project outcomes, incorporating lessons learned into future research initiatives.

This flowchart provides a structured overview of IGM's scientific and technical operations, ensuring that research efforts are systematically man-aged and aligned with the company's vision of becoming a knowledge-based organization in the geosciences sector.



MAIN SHAREHOLDER & STRATEGIC PARTNER

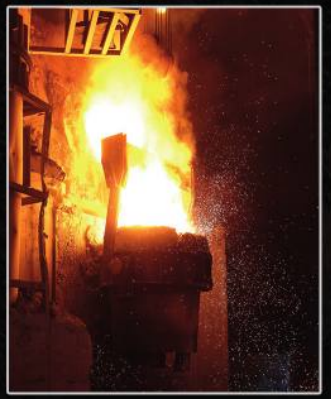
Kerman Steel & Rolling Complex, a premier industrial hub in Iran's Kerman province, serves as the main shareholder and strategic partner of IGM. Established in 1995 and spanning a vast 5.3-hectare infrastructure, it stands as one of the largest and most prominent steel complexes in southeastern Iran.

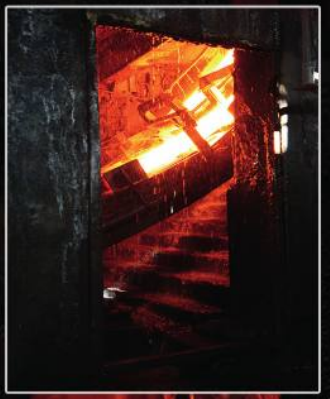
Operating in strict compliance with rigorous national and international standards, the complex leverages advanced industrial machinery, highly specialized manpower, and cutting-edge technology to drive massive annual production:

- Standard Steel Ingots: 100,000 tons per year
- High-Quality Rebar & Steel Coils: 520,000 tons per year

Kerman Steel & Rolling Complex has firmly established its reputation as a leading producer of premium steel products, showcasing the immense potential of indigenous entrepreneurship, robust industrial capacity, and excellence in both domestic and international markets. Through this powerful partnership, IGM combines heavy-industry strength with advanced artificial intelligence to redefine geosciences and mining efficiency.



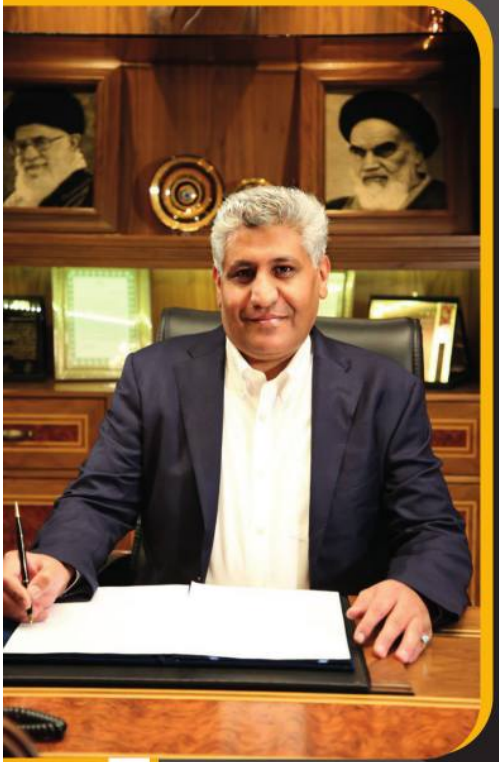






Kerman Steel And Rolling Complex

Dr. Alireza Akafzadeh



Kavir Maham Takin Holding

Affiliation: Chairman of the Board, Kerman Steel & Rolling Complex
Languages: Persian, English
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Higher Education & Advanced Diplomas
- Ph.D. in Business Management
University of Nicosia, Cyprus (2013)

Professional Biography

Alireza Akafzadeh is a highly distinguished senior executive with extensive leadership experience and a proven track record in the steel, manufacturing, and heavy industry sectors. Representing the core financial and industrial backing of IGM, he serves as the Chairman of the Board of the Kavir Maham Takin holding company, alongside holding the chairmanship at several major industrial corporations, most notably the Kerman Steel and Rolling Complex.

Dr. Akafzadeh has successfully managed, financed, and launched multiple large-scale industrial projects—including state-of-the-art steel mills, mineral water processing plants, and major dairy factories—demonstrating exceptional resilience and strategic acumen even under the constraints of international sanctions.

In recognition of his outstanding entrepreneurial achievements, management excellence, and driving contributions to national economic development, he has been honored with numerous prestigious national awards, including formal recognitions from the President and the Speaker of the Parliament of Iran. His profound business expertise ensures that IGM's cutting-edge AI technologies are backed by robust corporate governance and solid market execution.







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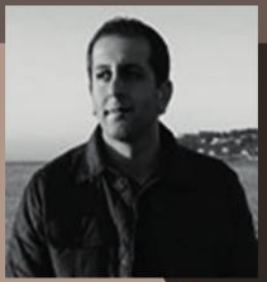
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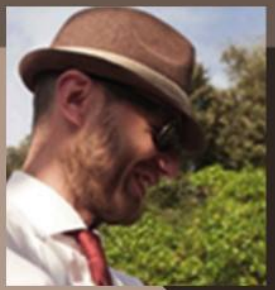
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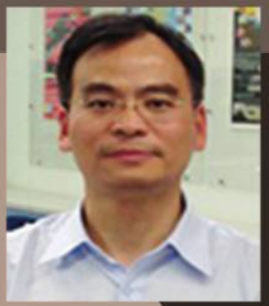
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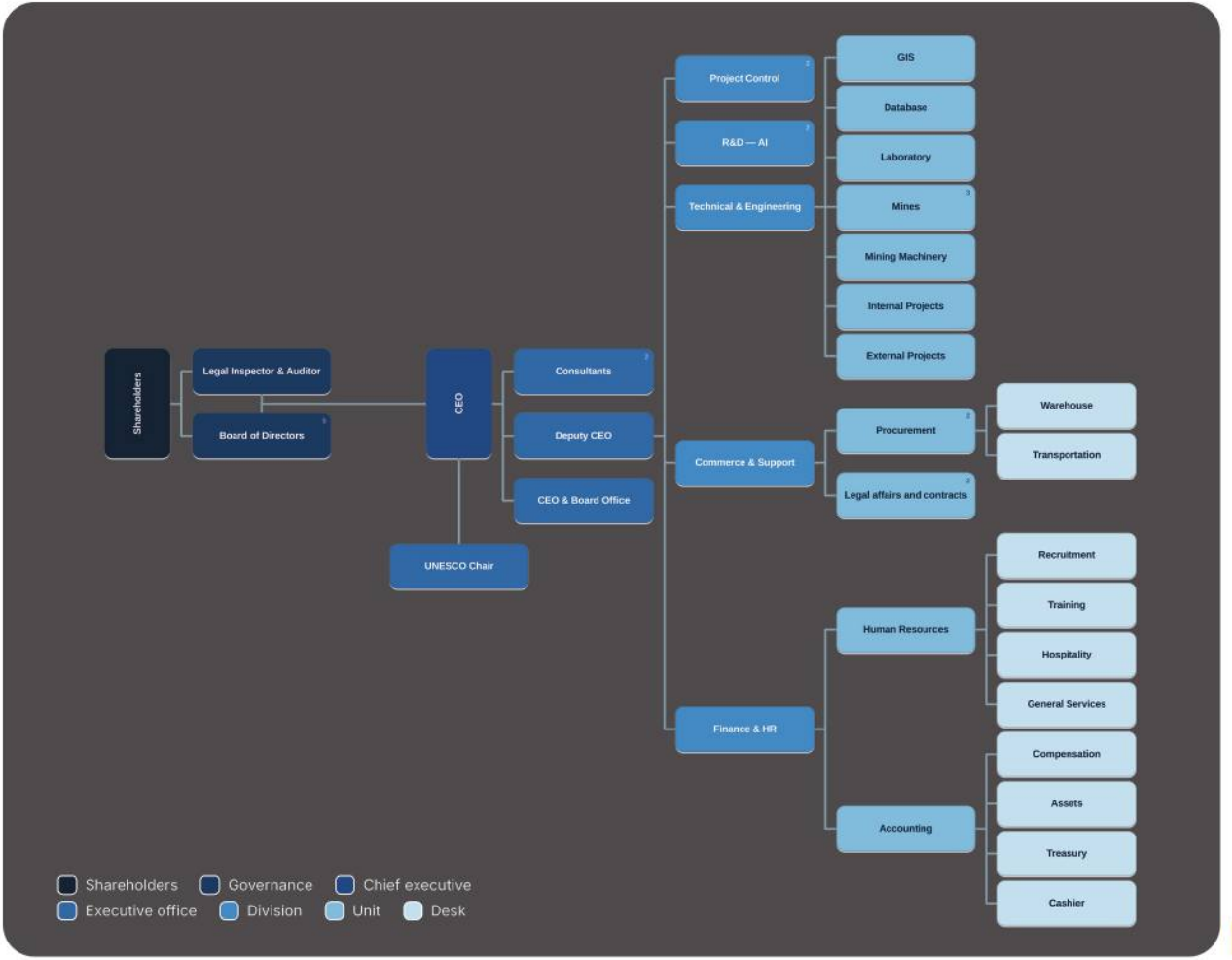
ORGANIZATIONAL CHART

The Organizational Chart of Intelligent GeoMine Co. illustrates the company's hierarchical management and operational structure. It is designed to ensure clear reporting lines, maximum operational efficiency, and seamless coordination across all departments.

At the apex of the structure, the "Shareholders" and the 'Board of Directors" are responsible for setting the company's long-term strategic direction and governance policies. The "Chief Executive Officer (CEO)", supported closely by the "Deputy CEO", leads the executive team and directly oversees the day-to-day operations of the company.

To ensure specialized and streamlined operations, the corporate structure is built around four main functional divisions:

- Technical & Engineering: Encompassing specialized units including the Technical Office, GIS, Database, Laboratory, and Mining Machinery.
- Project Management & Control: Driving efficient project planning, execution, and milestone tracking.
- Commerce & Support: Managing procurement, supply chain, and logistics essential to the mining sector.
- Finance & Human Resources: Overseeing the Accounting and HR departments to support sustainable organizational growth.


Shareholders
Legal Inspector & Auditor
Board of Directors
CEO
Consultants
Deputy CEO
CEO & Board Office
UNESCO Chair
Project Control
R&D — AI
Technical & Engineering
GIS
Database
Laboratory
Mines
Mining Machinery
Internal Projects
External Projects
Commerce & Support
Procurement
Warehouse
Transportation
Legal affairs and contracts
Finance & HR
Human Resources
Recruitment
Training
Hospitality
General Services
Accounting
Compensation
Assets
Treasury
Cashier
Shareholders
Governance
Chief executive
Executive office
Division
Unit
Desk



Board of Directors, Founders And Shareholders



Prof. Hamid Nazari

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Languages: Persian, English, French
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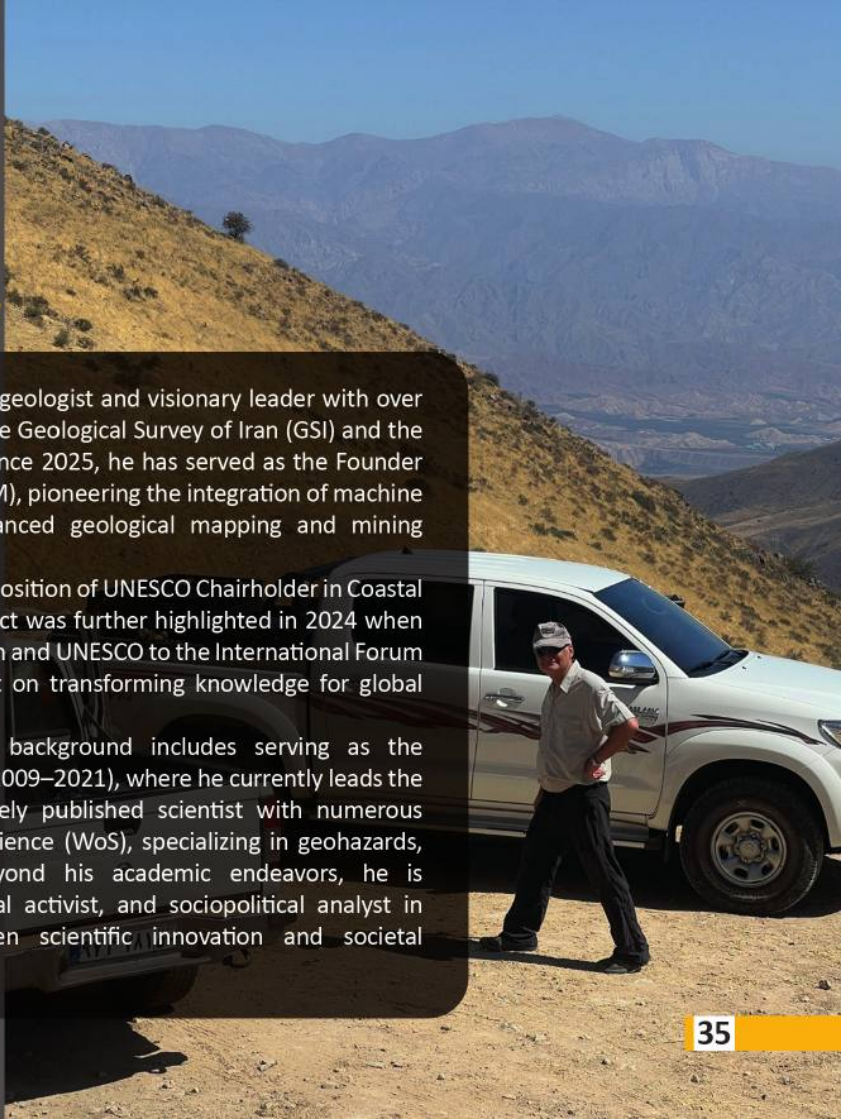
- HDR (Habilitation à Diriger des Recherches) in Sciences of the Universe
  Subject: Analyse de la tectonique active en Iran: Approches morphotectonique et paléoseismologique.
  Université de Montpellier, France (2015)
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  Subject: Analyzing the recent and active tectonics in Central Alborz and Tehran region using morphotectonics and paleoseismology, Université de Montpellier II, France (2006)

Professional Biography

Prof. Hamid Nazari is a highly accomplished geologist and visionary leader with over three decades of professional experience at the Geological Survey of Iran (GSI) and the Research Institute for Earth Sciences (RIES). Since 2025, he has served as the Founder and CEO of Intelligent Geo-Mine Company (IGM), pioneering the integration of machine learning and artificial intelligence into advanced geological mapping and mining operations.

Since 2021, Dr. Nazari has held the prestigious position of UNESCO Chairholder in Coastal Geo-Hazard Analysis. His global scientific impact was further highlighted in 2024 when he was invited by the African Union Commission and UNESCO to the International Forum of UNESCO Chairs in Addis Ababa to present on transforming knowledge for global resilience.

His extensive administrative and research background includes serving as the Vice-Director and Deputy of Research at RIES (2009–2021), where he currently leads the Innovation Department. Dr. Nazari is a widely published scientist with numerous high-impact papers indexed in the Web of Science (WoS), specializing in geohazards, geo-archaeology, and paleoclimatology. Beyond his academic endeavors, he is recognized as a prominent intellectual, social activist, and sociopolitical analyst in national media, bridging the gap between scientific innovation and societal development.



Dr. Afshin Akbarpour



Vice CEO and Principal Member

Affiliation: Exploration Department, Geological Survey of Iran (GSI) & Research Institute for Earth Sciences (RIES)

Languages: Persian, English, Swedish, Persian

Expertise: Economic Geology, Ore Genesis, Metallogeny, and Advanced Exploration Methods for Porphyry Copper and Epithermal Gold Deposits

Higher Education & Advanced Diplomas

- Ph.D. in Economic Geology

Specialization: Copper and Gold Mineralization and Ore Genesis (Masjed Daghi, Jolfa)

Iranian Academic Framework

Professional Biography

Dr. Afshin Akbarpour is a highly distinguished economic geologist and senior executive with over 28 years of elite experience within the Geological Survey of Iran's (GSI) Exploration Department and the Research Institute for Earth Sciences (RIES). As the Vice CEO of Intelligent Geo-Mine Company (IGM), he bridges traditional field-proven geoscience methodologies with the company's next-generation AI exploration models.

Throughout his prolific career, Dr. Akbarpour has established himself as a leading international expert in tectonic settings, metallogeny, and mineral exploration, specializing deeply in high-value porphyry copper and epithermal gold systems. His global scientific footprint includes strategic research collaborations with prestigious global institutions, such as the Geological Survey of Sweden (SGU) and the United States Geological Survey (USGS).

An active academic leader, Dr. Akbarpour has supervised numerous M.Sc. and Ph.D. candidates who have transitioned into prominent industry researchers. He is a member of the Society of Economic Geologists (SEG), the International Association of Geochemistry (IAGC), and the Geological Society of Iran. Dr. Akbarpour is widely published in top-tier international journals, including the *Journal of Economic Geology* and *Ore Geology Reviews*. In recognition of his foundational contributions to geosciences, he was honored with the prestigious Outstanding Research in Geology Award by the Iranian Ministry of Science, Research, and Technology.



Dr. Mohammad Amin Naziri

Chairman of the Board of Directors



Affiliation: Former Head of the Secretariat of the Supreme Council of Mines, Ministry of Industry, Mine & Trade (MIMT)

Languages: Persian, English, Turkish, Azeri,

Expertise: Mining Laws & Regulatory Compliance, Economic Geology, Mineral Economics, and Strategic Corporate Governance

Higher Education & Advanced Degrees

- Ph.D. in Economic Geology

Shahid Beheshti University, Tehran, Iran (2021)

- Master of Science (M.Sc.) in Economic Geology

Payame Noor University, Tehran, Iran (2011)

- Bachelor of Science (B.Sc.) in Geology

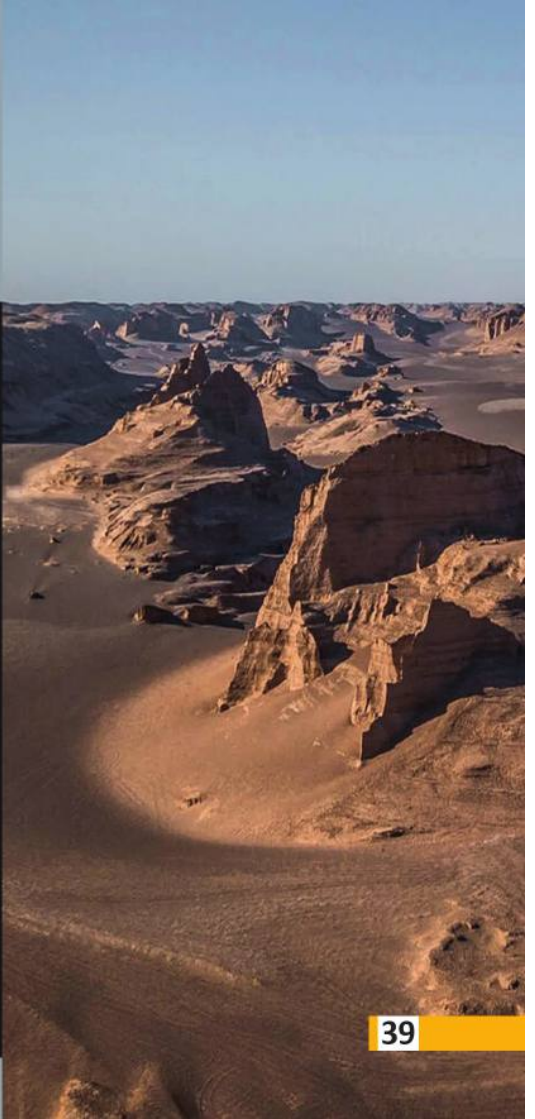
Shahid Beheshti University, Tehran, Iran (2003)

Professional Biography

Dr. . Mohammad Amin Naziri is a highly distinguished mining expert, legal strategist, and senior executive with a prominent career bridging state-level mineral governance and private sector industrial deployment. As the Chairman of the Board of Directors of Intelligent Geo-Mine Company (IGM), his comprehensive mastery of mining regulations, industry policies, and macro-economic ensures top-tier strategic steering for the company's commercial expansion.

Following his foundational geology training at Shahid Beheshti University, Dr. Naziri entered public service in 2005 as a senior mining expert within the Iranian Ministry of Industry, Mine and Trade (MIMT). His administrative excellence led to his appointment in 2008 as the Head of the Secretariat of the Supreme Council of Mines, a critical governance role he held for a decade, shaping key operational and mineral asset frameworks.

Transitioning to leadership in the private sector, Dr. Naziri has served since 2020 as a high-level strategic consultant to the Iran Mine House and several premier mining conglomerates. Concurrently, he serves as a certified senior lecturer for the Iranian Mining Engineering Organization, delivering specialized advanced training in "Mining Laws" and "HSE" frameworks. His unique intersection of deep technical knowledge in economic geology and ultimate regulatory authority guarantees that IGM's advanced AI and WebGIS innovations are deployed with absolute legal compliance and robust commercial market alignment.



Gholamreza Azimnejad



Vice Chairman of the Board of Directors & Shareholder of IGM

Affiliation: Deputy of Finance, Kavir Maham Takin Group

Languages: Persian, English

Expertise: Strategic Business Management

- Financial Development and Management of Large-Scale Industrial Projects

Higher Education & Advanced Degrees

Master Degree in Accounting

Master Degree in Financial Management

University of Tehran, Iran



Professinal Biography

Gholamreza Azimnejad is a distinguished senior executive specializing in financial management, with extensive managerial experience and a proven track record in the steel, manufacturing, and heavy industries.

He serves as Vice Chairman of the Board of Directors of Kerman Steel Melting and Rolling Complex, which serves as a key financial and industrial pillar of the Investment Group of Mines (IGM).

Mehdi Dadkhah

Shareholder



Affiliation: Managing Director, Ahura Mining Company (Aria Far) & Senior Law Expert

Languages: Persian, Turkish

Expertise: Corporate Law, Mineral Rights & Mining Concessions, and Industrial Project Management

Higher Education & Advanced Degrees

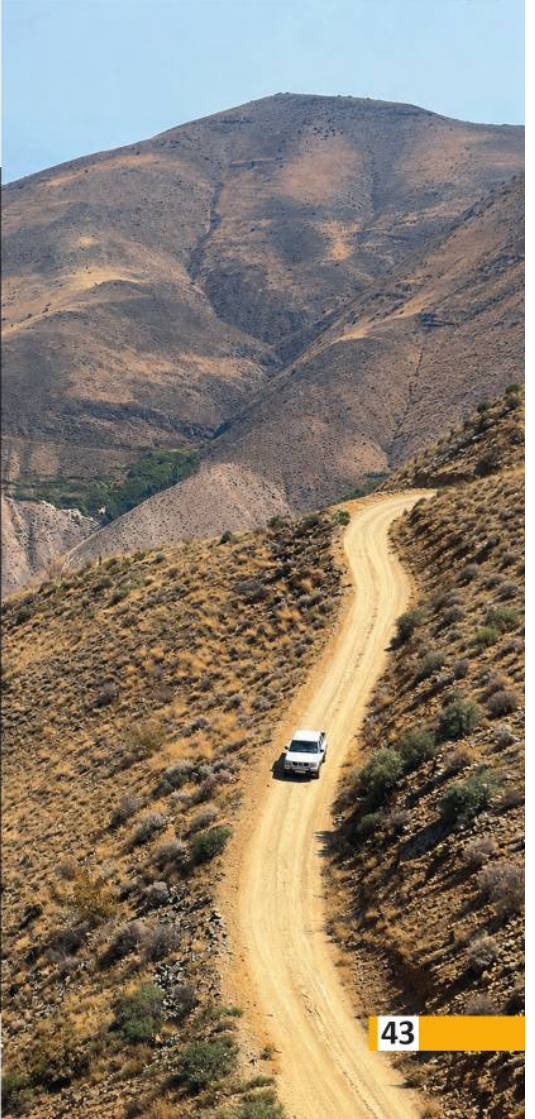
- Master of Science (M.S.) in Psychology Academic Framework
- Bachelor of Laws (LL.B.) Specialization: Corporate & Civil Law

Professional Biography

Mehdi Dadkhah is a highly versatile senior executive, legal expert, and entrepreneur with a powerful combination of legal acumen and extensive hands-on experience in the mining and urban development sectors. As a Co-Founder and Principal Board Member of Intelligent Geo-Mine Company (IGM), he leads the company's strategic corporate governance, legal frameworks, and contractual affairs.

Mr. Dadkhah's distinguished leadership portfolio includes serving as the Managing Director of Ahura Mining Company (Aria Far), Chairman of the Board of Directors at Zarjoyan Hasht Behesht Company—where he oversees the exploration and extraction operations of the high-potential Chago and Qomshlo copper mines—and Chairman of the Board of Directors at Khak Energy Pak Company.

In addition to his heavy-industry commands, he is a core partner and Board Member of the prestigious Soroush Dadkhahan Law Firm of Pasargad. His extensive operational background also features executing major urban infrastructure projects as an approved contractor for the Tehran Municipality. This unique blend of mining operational knowledge and robust legal expertise ensures that IGM's cutting-edge tech deployments are executed with maximum regulatory compliance and solid commercial protection.



Mohamad Bagher Dori

Shareholder



Affiliation: Senior Exploration Consultant & Former Lead Geologist, Geological Survey of Iran (GSI)

Languages: Persian, English

Expertise: Mineral Prospecting (Gold, Copper, Iron, Lead, Zinc, Potash), Target Generation, Drill Planning, and Resource Estimation across Alborz, Zagros, and Central Iran Geological Zones

Higher Education & Advanced Degrees

- Master of Science (M.Sc.) in Geology University of Tehran, Iran

Professional Biography

Mohamad Bagher Dori is a highly venerable and deeply experienced exploration geologist with a career spanning over 35 years of elite service within the Exploration Department of the Geological Survey of Iran (GSI). As a Co-Founder and Principal Board Member of Intelligent Geo-Mine Company (IGM), his profound, field-proven understanding of Iran's complex geological terranes serves as a foundational pillar for training and calibrating IGM's predictive AI exploration tools.

Throughout his distinguished career, Mr. Dori has systematically led and overseen large-scale, high-profile exploration campaigns for diverse commodities—including gold, copper, iron, lead, zinc, potash, borax, and industrial salts—across every strategic region of Iran. His field operations have taken him extensively throughout the critical Alborz, Zagros, and Central Iranian geological zones.

An expert across the entire exploration spectrum, Mr. Dori's capabilities encompass regional reconnaissance, target generation, advanced drilling management, and precise resource estimation. He has a proven track record of successful collaborations with international teams and integrating modern technical frameworks to identify and develop Tier-1 mineral assets. His unmatched field experience ensures that IGM's cutting-edge geospatial intelligence is rooted in absolute empirical accuracy.



Dr. Mahmoud Hajian Barzi

Shareholder



Affiliation: Senior Exploration Consultant & Former Head of Research, Exploration Directorate of National Iranian Oil Company (NIOC)

Languages: Persian, English

Expertise: Sedimentology, Petroleum Geology, Sedimentary Basin Analysis, Geophysical Software Applications, and Exploration-Development Project Management

Higher Education & Advanced Degrees

- Ph.D. in Sedimentology

Islamic Azad University, Science and Research Branch, Tehran, Iran (2011)

- Master of Science (M.Sc.) in Sedimentology

Islamic Azad University, Science and Research Branch, Tehran, Iran (2006)

- Bachelor of Science (B.Sc.) in Geology

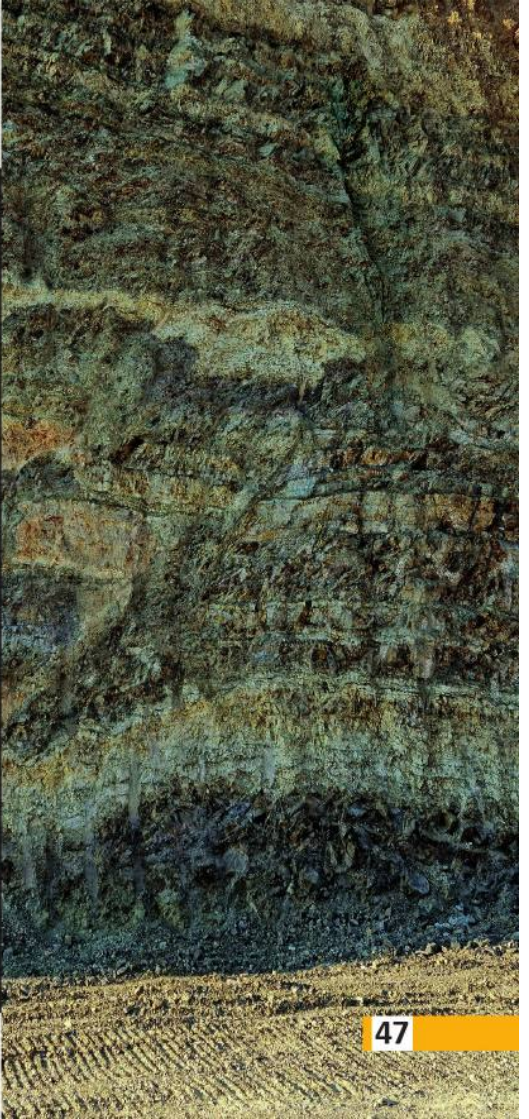
Isfahan University, Isfahan, Iran (1991)

Professional Biography

Dr. Mahmoud Hajian Barzi is a highly distinguished petroleum geologist and senior executive with an illustrious career within the Exploration Directorate of the National Iranian Oil Company (NIOC). As a Co-Founder and Principal Board Member of Intelligent Geo-Mine Company (IGM), he brings extensive strategic experience in managing high-risk, large-scale subsurface exploration blocks and integrating advanced geophysical software frameworks.

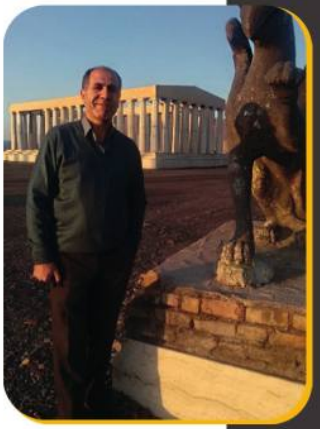
Throughout his prolific tenure at NIOC, Dr. Hajian Barzi has held several top-tier leadership positions, serving as Senior Geologist, Project Manager, Exploration-Development Block Manager, and Head of the Research and Technology Department. Since 2019, he has driven corporate operations as the Deputy of Earth Sciences in Executive Affairs.

An active academic contributor, Dr. Hajian Barzi has served as an adjunct professor, supervising numerous M.Sc. and Ph.D. candidates in advanced geology. He also lends his industry expertise to the scientific community as a key member of the Editorial Board of the *Exploration and Production Monthly Journal*. His profound expertise in basin analysis and energy sector dynamics ensures that IGM's AI-driven geospatial solutions are backed by elite subsurface validation and solid industrial management.



Dr. Jalal Karami

Shareholder



Affiliation: Chair of the Department of Remote Sensing and GIS, Tarbiat Modares University

Languages: English, Persian

Expertise: Intelligent GIS & Spatial Data Mining, AI-Driven Satellite Image Processing, Cloud-Based Geological Mapping (Google Earth Engine), Hyperspectral Remote Sensing, and WebGIS Architecture

Higher Education & Advanced Degrees

- Ph.D. in GIS Engineering

Thesis: Development of an Uncertainty-Based Decision Support System for Surface Water Pollution Modeling Using AI and Data Mining (Rough Set Theory)

K. N. Toosi University of Technology, Iran (2012)

- Master of Science (M.Sc.) in Remote Sensing and GIS

Thesis: Application of Artificial Intelligence in Object-Based Satellite Image Processing*

Tarbiat Modares University, Tehran, Iran (2002)

- Bachelor of Science (B.Sc.) in Geography

University of Isfahan, Isfahan, Iran (1996)

Professional Biography

Dr. Jalal Karami is a highly distinguished academic, researcher, and geospatial technology pioneer with over two decades of elite expertise bridging Geographic Information Systems (GIS), Remote Sensing, and Artificial Intelligence. As a Co-Founder and Principal Board Member of Intelligent Geo-Mine Company (IGM), his advanced theoretical and practical mastery of spatial data mining and intelligent systems forms the core technological engine behind IGM's next-generation platforms.

Dr. Karami began his professional career in 2002 as a Remote Sensing Specialist at the Geological Survey of Iran (GSI), serving until 2008. During this foundational period, he played a pivotal role in preprocessing and analyzing multi-sensor satellite imagery (ETM+, ASTER, IRS, SPOT) for mineral potential mapping and alteration zone identification. Notably, he contributed to Iran's national airborne hyperspectral imaging initiative, collaborating with Australia's HyMap sensor and UK's InfiTra to revolutionize mineral exploration in South Khorasan Province.

In 2011, he transitioned to academia, joining Tarbiat Modares University, where he currently serves as the Department Chair. He has supervised over 30 M.Sc. and Ph.D. theses and led numerous high-impact national projects spanning AI-driven orebody modeling, Google Earth Engine (GEE) automated mapping, and unified WebGIS geodatabases. An author of influential textbooks, including Principles and Applications of WebGIS, and a peer reviewer for prestigious journals like the IEEE Journal, Dr. Karami actively teaches advanced graduate courses such as Soft Computing in Earth Sciences, directly ensuring that IGM remains at the absolute global forefront of geospatial artificial intelligence.



Dr. Mahmoudreza Majidifard

Shareholder



Affiliation: Associate Professor, Research Institute for Earth Sciences, Geological Survey of Iran (GSI)

Languages: Persian, English, German

Expertise: Stratigraphy and Paleontology, Mesozoic Biostratigraphy, Ammonite Taxonomy, Facies Analysis, and Sequence Stratigraphy

Higher Education & Advanced Degrees

- Ph.D. in Stratigraphy and Paleontology

Thesis: Biostratigraphy, Lithostratigraphy, Ammonite Taxonomy, and Microfacies Analysis of the Middle and Upper Jurassic of Northeastern Iran

Bayerische Julius-Maximilians-Universität Würzburg, Germany (2004)

Professional Biography

Dr. Mahmoudreza Majidifard is a highly distinguished stratigrapher, paleontologist, and senior researcher with over 33 years of elite academic and field experience within the Research Institute for Earth Sciences and the Geological Survey of Iran (GSI). As a Co-Founder and Principal Board Member of Intelligent Geo-Mine Company (IGM), his profound expertise in mapping the complex geological evolution of landmasses provides critical baseline data for IGM's AI-driven predictive exploration software.

Dr. Majidifard earned his Ph.D. with distinction from the prestigious University of Würzburg in Germany, specializing in the stratigraphy, paleogeography, and microfacies analysis of Mesozoic strata. Throughout his prolific career, he has led numerous foundational national projects, including the preparation of comprehensive geological maps, detailed depositional environment assessments, and high-impact sequence stratigraphy modeling across Iran.

An active academic leader and Associate Professor, his deep insights into sedimentary systems and paleobiogeography ensure that IGM's deep learning algorithms are trained on geometrically accurate and chronologically precise geological data. His international academic background and extensive field pedigree further strengthen IGM's scientific credibility in global mining and exploration forums.



Dr. Mehdi Mohammadi Vizheh

Shareholder



Affiliation: Assistant Research Professor, Research Institute for Earth Sciences (RIES), Geological Survey of Iran (GSI)

Languages: Persian, English

Expertise: Exploration Geophysics, Electromagnetic Methods, Radiomagnetotelluric (RMT) Inversion, and Ground Penetrating Radar (GPR) Data Interpretation

Higher Education & Advanced Research

- Ph.D. in Geophysics / Electromagnetics

Thesis: Constrained Inversion of Radiomagnetotelluric (RMT) Data through Processing and Interpretation of Ground Penetrating Radar (GPR) Data and Geological Information

University of Tehran, Tehran, Iran (2019)

- Advanced Research Fellowship

Specialization: Subsurface Geophysical Modeling

Uppsala University, Uppsala, Sweden (2017)

Professional Biography

Dr. Mehdi Mohammadi Vizheh is a highly innovative geophysicist, academic, and senior researcher serving as an Assistant Research Professor at the Research Institute for Earth Sciences (RIES). As a Co-Founder and Principal Board Member of Intelligent Geo-Mine Company (IGM), his cutting-edge expertise in advanced underground imaging and electromagnetic data processing constitutes a vital pillar of the company's technical infrastructure.

Dr. Mohammadi Vizheh completed his Ph.D. at the University of Tehran, developing advanced methodologies for the constrained inversion of radiomagnetotelluric data, integrated with high-resolution Ground Penetrating Radar (GPR) profiling. His international academic pedigree includes an elite six-month research tenure at the prestigious Uppsala University in Sweden, where he advanced his capabilities in modern geophysical instrumentation and data interpretation.

At IGM, Dr. Mohammadi Vizheh bridges the gap between raw subsurface physical measurements and cloud-based digital processing. His expertise ensures that the deep learning and machine learning models deployed by the company are trained on highly accurate, constrained, and inverted geophysical datasets, vastly reducing exploration risks and maximizing target pinpointing accuracy for international mining operations.



Eng. Hamid Rahimipour Chatroudy

Shareholder



Affiliation: CEO of Kerman Steel Smelting and Rolling Complex

Languages: English, Persian

Expertise:

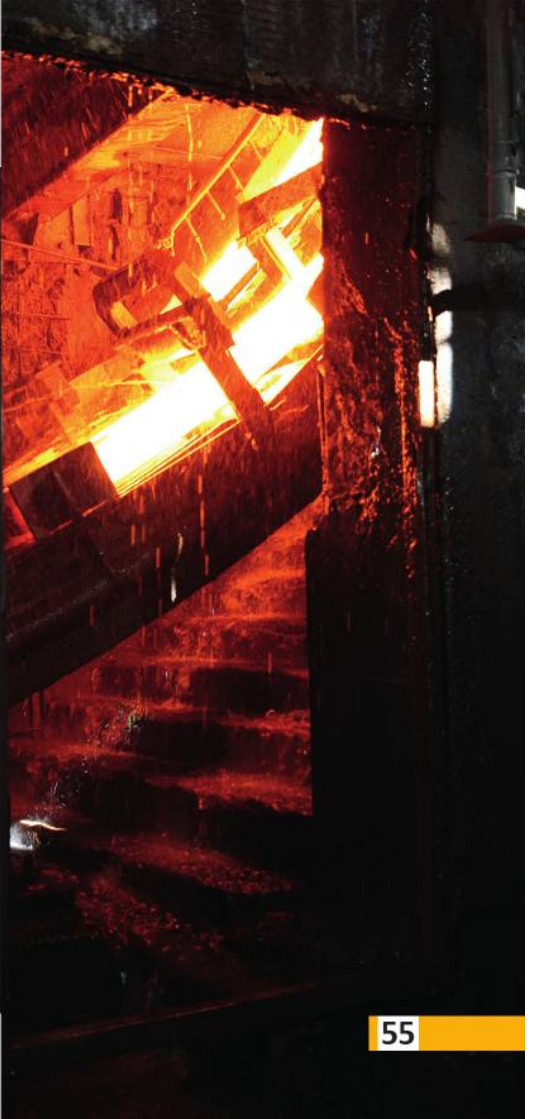
- Strategic Business Management
- Financial Development and Management of Large-Scale Industrial Projects

Higher Education & Advanced Degrees

- M.Sc. in Financial Management,
- M.Sc. in Accounting
- Shahid Bahonar University of Kerman

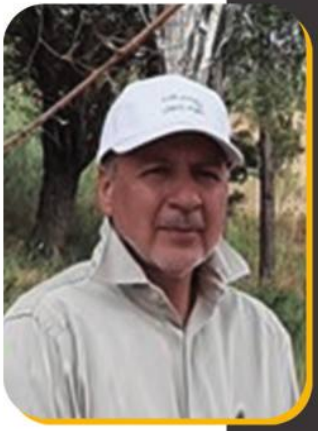
Professional Biography

Eng. Hamid Rahimipour Chatroudy, as well known in the Iranian Steel Industry is the Managing Director and Chief Executive Officer of the Kerman Steel & Rolling Complex (Kerman Smelting and Rolling Complex) in Kerman, Iran, where he leads one of the region's key steel production enterprises encompassing smelting, steelmaking and rolling operations. A seasoned industrial executive with long-standing experience in Iran's steel and metals sector, he is recognized for his strategic leadership in production management, operational efficiency, and organizational development under challenging market and economic conditions. Under his direction, the Complex has focused on enhancing production capacity, improving quality standards, optimizing supply and value chains, and strengthening its role in domestic steel supply, employment, and regional industrial development.



Dr. Morteza Talebian

Shareholder



Affiliation: Senior Professor & Former Director, Research Institute for Earth Sciences (RIES), Geological Survey of Iran (GSI)

Languages: Persian, English

Expertise: Seismotectonics & Earthquake Hazard Assessment, Active Fault Modeling, Structural Geology, and Seismic-Resistant Design Frameworks

Higher Education & Advanced Fellowships

- Ph.D. in Geology & Seismotectonics

Thesis: Fault Offsets Estimation, Waveform Modeling, and Basement Structure Analysis of the Zagros Region

University of Cambridge, UK (2003)

- Post-Graduate Diploma in Seismology

International Institute of Seismology and Earthquake Engineering (IISEE), Tsukuba, Japan (1995)

- Master of Science (M.Sc.) in Geology (Tectonics)

Shahid Beheshti University, Tehran, Iran (1993)

- Bachelor of Science (B.Sc.) in Geology

University of Kerman, Kerman, Iran (1988)

Professional Biography

Dr. Morteza Talebian is a globally recognized seismotectonic expert and field geologist with over three decades of elite experience in earthquake hazard assessment, active fault studies, and structural geology across the Iranian Plateau. As a Co-Founder and Principal Board Member of Intelligent Geo-Mine Company (IGM), his ultimate authority in seismic risk modeling and geohazards forms a critical safeguard for IGM's AI-driven engineering and mining implementations.

An eminent academic leader, Dr. Talebian served as the Director of the Research Institute for Earth Sciences (RIES) from 2007 to 2018, where he pioneered major national initiatives, including leading the preparation of the official National Earthquake Hazard Map of Iran. His profound regulatory impact is highlighted by his long-standing membership (since 2008) on the Permanent Committee for Revising the Iranian Code of Practice for Seismic Resistant Design of Buildings (Standard 2800) at the BHRC, alongside serving on the National Committee for Earthquake and Landslide Hazard under the Ministry of Interior.

Dr. Talebian's academic journey is backed by world-class institutions. He earned his Ph.D. from the University of Cambridge, supported by the prestigious Cambridge Overseas Trust Scholarship and King's College External Studentship. He also holds an advanced seismology diploma from the IISEE in Japan, funded by the Japanese Ministry of Education (MEXT). A distinguished member of The Academy of Sciences of Iran, Dr. Talebian seamlessly integrates morphotectonics, geodesy, and seismology. At IGM, his expertise ensures that advanced deep learning models for mineral prospecting and site selections are completely integrated with absolute geological safety and state-of-the-art disaster risk reduction standards.



Dr. Mostafa Yousefi Rad

Shareholder



Affiliation: Associate Professor, Department of Geomechanical Engineering, Arak University of Technology

Languages: Persian, English

Expertise: Chemostratigraphy, Hydrostratigraphy & Groundwater Exploration, Karst Geology & Speleology, and Geomechanical Engineering

Higher Education & Advanced Degrees

- Ph.D. in Stratigraphy

Thesis: Chemical and Biological Stratigraphy of the Lower Cretaceous Sequence in Eastern Arak

Islamic Azad University, Science and Research Branch, Tehran, Iran (2001)

Professional Biography

Dr. Mostafa Yousefi Rad is an eminent geoscientist, academic leader, and serial entrepreneur with nearly three decades of foundational contributions to Iran's geological and engineering sectors. As a Co-Founder and Principal Board Member of Intelligent Geo-Mine Company (IGM), his pioneer status in geomechanical engineering and resource exploration drives the company's multi-disciplinary technological advancements.

A visionary educator, Dr. Yousefi Rad officially established and registered the specialized field of *Geological Surveying Engineering* within the Iranian Ministry of Science, Research, and Technology, forever shaping the nation's academic landscape. His extensive academic leadership includes serving as the Vice President for Research at the Islamic Azad University of Arak (2000–2008), President of Payame Noor University of Arak (2009–2014), and Vice President for Research at the Arak University of Technology (2015–2020), where he currently operates as a senior Associate Professor.

On the industrial front, Dr. Yousefi Rad was the Director of Water Resources Studies in Markazi Province (1998–2000) and has dedicated over 30 years to pioneering groundwater exploration, karst systems, and speleology. An accomplished inventor and author, he holds 5 registered national patents, has authored 14 comprehensive textbooks on geology, and has successfully executed over 120 high-impact research and industrial projects. As the founder of Arak University of Technology's very first knowledge-based enterprise and the current CEO of Segal Geoscientists Co., Dr. Yousefi Rad seamlessly bridges academic research with deep-tech commercialization, ensuring that IGM's spatial AI models are calibrated with elite geomechanical and hydrogeological intelligence.





OUR EXPERTS & OPERATIONAL TEAMS

Intelligent Geo-Mine's execution capability is driven by an elite cadre of geoscientists, data engineers, financial strategists, and operational experts. Organized across our core corporate divisions, these specialists ensure the seamless delivery of high-tech exploration solutions.

Technical Division



Informatic & AI


Eng. Milad Maher


Eng. Behrad Akbarpour


Eng. Golchehreh Farahani

Logistics Division


Sadegh Arast


Ali Farhadi


Ali Esmaʻili

Cammercial & Support


Eng. Bahareh Vafadar


Mahan Tabrizi


Eng. Sajjad Anaraki

Finance & Human Resources Division


Dr. Hamidreza Arbabi


Mahdi Fathi


Eng. Shahin Mohammad Zadeh


Dr. Shayda Zand


Eng. Nasim Babaei

OUR EXPERTS & OPERATIONAL TEAMS





INTERNATIONAL SCIENTIFIC ALLIANCES & CREDENTIALS

UNESCO Chair on Coastal Geo-Hazard Analysis

The UNESCO Chair on Coastal Geo-Hazard Analysis (UCCGHA) in Iran was established in 2021 at the Research Institute for Earth Sciences (RIES), affiliated with the Geological Survey of Iran (GSI), as part of UNESCO's international UNITWIN/UNESCO Chairs Programme.

The Chair provides a strategic platform for strengthening international scientific cooperation in coastal geology, geo-hazard assessment, disaster risk reduction, and sustainable development. By connecting universities, research institutions, governmental organizations, and technology-oriented enterprises, it promotes the exchange of scientific knowledge and the development of practical solutions to complex challenges in coastal and tectonically active environments.

Key Objectives & Strategic Mission

- Advanced Interdisciplinary Research: Advancing innovative approaches to understand, model, monitor, and manage complex geological hazards in coastal and tectonically active regions.
- Global Academic Networking: Strengthening scientific collaboration, knowledge exchange, and joint research frameworks among universities, research centers, and international scientific communities.
- Knowledge-to-Action Transformation: Translating scientific research and emerging technologies into practical and operational solutions for natural hazard mitigation, environmental resilience, and sustainable development.

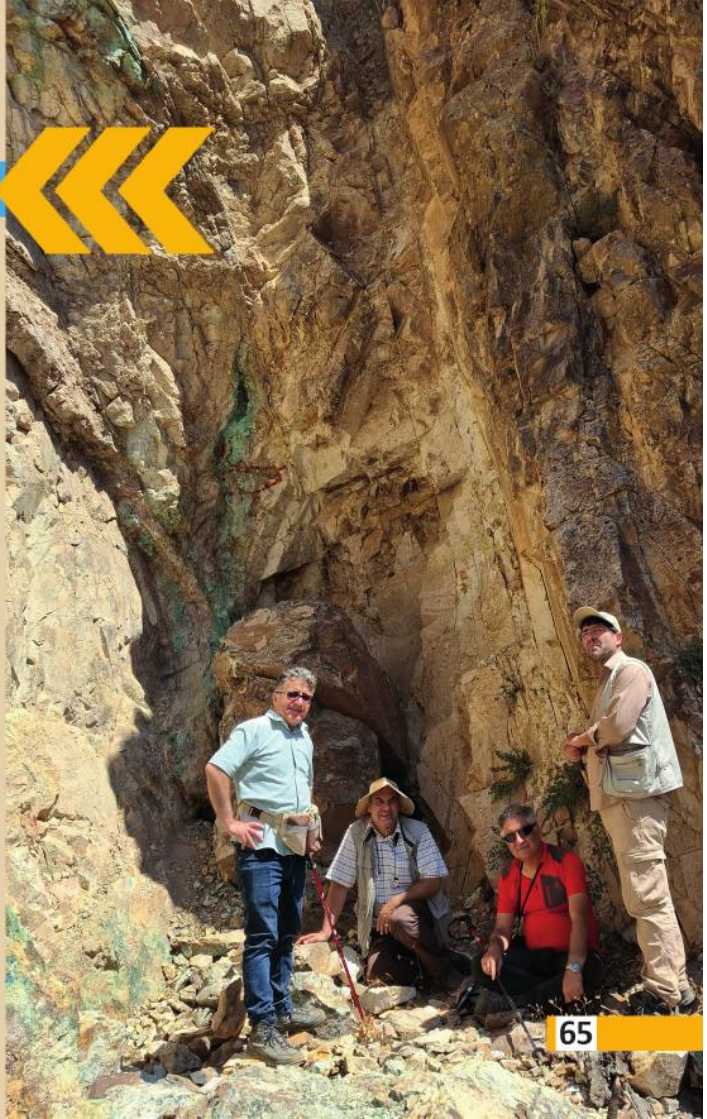


Technology & AI Integration

In line with modern international scientific frameworks, the UNESCO Chair emphasizes the integration of advanced technologies into geoscience research, including Geospatial Sciences, Remote Sensing, Artificial Intelligence (AI), spatial data analytics, and computational earth sciences.

These fields are closely aligned with the technological capabilities developed at Intelligent Geo-Mine (IGM), particularly in predictive modeling, intelligent geospatial analysis, and WebGIS-based platforms for geo-hazard assessment and mineral exploration.

This scientific and technological alignment creates opportunities for connecting advanced research with operational applications and for developing solutions that respond to international requirements in risk management, earth observation, and mineral exploration.



Development of Regional & International Relations

Alongside its scientific and technological mission, the UCCGHA, in close cooperation with RIES, has expanded its regional and international scientific relations to support bilateral and multilateral cooperation in geosciences.

As part of this international outreach, UCCGHA and RIES convened joint scientific meetings with Russian academic and governmental institutions on January 13 and July 8, 2024. Participants included representatives from:

- The Ministry of Science and Higher Education of the Russian Federation
- Leading Russian universities and specialized research institutions
- Research centers active in geology and the mineral resources of the ocean, including institutions based in Saint Petersburg

During these meetings, the participating organizations presented their research infrastructures, spatial-data capabilities, scientific expertise, and areas of technological interest. The discussions identified several areas of mutual interest, particularly in marine geology, geo-hazard modeling, spatial data analysis, mineral resources, and computational earth sciences.







Collaborative Frameworks & Future Cooperation

A key outcome of these discussions was the decision to move toward a formal Memorandum of Cooperation (MoC) between RIES, UCCGHA, and their Russian counterparts.

This framework is intended to provide a foundation for:

- Cross-border scientific and technical knowledge exchange
- Joint research and development initiatives
- Exchange of expertise, data, and scientific methodologies
- Cooperation in advanced marine and coastal geosciences
- Development and evaluation of geospatial and computational technologies
- Expansion of long-term academic, institutional, and technology-oriented partnerships

Together, these international scientific relationships reinforce the role of the UNESCO Chair as a bridge between academic research, international cooperation, and advanced geoscience technologies, while creating a strong platform for future collaboration in geo-hazard management, environmental resilience, and mineral-resource exploration.



MEMORANDUM OF UNDERSTANDING

1. Afarinesh Consulting Engineering
2. Agreement with a Kazakh–Russian consortium of companies (Kazakhstan) and submission of investment proposals for five mineral exploration areas to the consortium.
3. Arak University of Technology
4. Armenian Academy of Earth Sciences
5. Caspian Sea Ecological Research Center
6. Collaboration and commercial follow-up for the procurement of laboratory-grade bromoform through the National Academy of Sciences of the Republic of Armenia.
7. Company of Segal Pajohane Zamin
8. Conclusion of a Memorandum of Understanding with the Iran Artificial Intelligence Association regarding mutual scientific and technological cooperation.
9. Department of Environment of Mazandaran
10. Federal State Budgetary Institution "Academician I.S. Gramberg All-Russia Scientific Research Institute for Geology and Mineral Resources of the Ocean" (FSBI "VNIIOkeangeologia", Saint Petersburg, Russia)
11. Follow-up and facilitation of international cooperation through Dr. Azim Ibrahim, Minister of Roads and Construction of the Republic of Tajikistan.
12. Future Land Institute, South Korea University
13. Geological Society of Iran
14. German University of Technology in Oman
15. Golestan University
16. Hormozgan University
17. Imam Khomeini International University
18. Institute of Geology and Geophysics, Chinese Academy of Sciences
19. International Association for Promoting Geoethics (IAPG)
20. International UNESCO Center for Health-Related Basic Sciences and Human Nutrition





21. Iranian Quaternary Association
22. Joint Stock Company of the Republic of Kazakhstan «National Geological Survey»
23. Journal of Animal Environment
24. Kaniran Consulting Engineering Company
25. Kharazmi University
26. Mazandaran Department of Environment
27. Memorandum of Understanding (MoU) between UNESCO Chair on Coastal Geo-Hazard Analysis (UCCGHA), Intelligent Geo-Mine (IGM), and Dana Geophysics Kish Company (DGC)
28. PARS Geological Research Center (Arian Zamin)
29. Pardazesh Seir Afagh
30. Preparation and submission of a Statement of Work (SoW) for mineral exploration in the border strip of Kurdistan Province with Iraq, covering an area of approximately 2,500 square kilometers, submitted to the NAJA Cooperative Foundation for the purpose of concluding a Memorandum of Understanding.
31. Qeshm Island UNESCO Global Geopark
32. Qeshm Island UNESCO Global Geopark and Ministry of Science and Higher Education of the Russian Federation
33. Quadripartite Scientific, Technological, and Executive Cooperation Agreement (Preamble)
34. Raspina Virtual Development
35. Research Institute of Applied Sciences
36. Seismology Research Center of the International Institute of Earthquake Engineering and Seismology
37. Shahrood University of Technology
38. Shargh Daily Newspaper
39. Signing of a Memorandum of Understanding with the CGMW Middle East Division for the preparation of geological and geochemical maps using artificial intelligence technologies.
40. State Key Laboratory of Tibetan Plateau Earth System, Environment, Resources,


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Memorandum of Understanding
between
Research Institute for Earth Sciences, Geological Survey of Iran of Ministry of Industry, Mine and Trade of the Islamic Republic of Iran
and
July 29, 2016

40. State Key Laboratory of Tibetan Plateau Earth System, Environment, Resources, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Lanzhou University, ANSO Association of Trans-Eurasia Exchange and Silk Road Civilization Development (ATES)
41. Strategic Cooperation Memorandum of Understanding in the Mining and Mineral Industries Sector with Noyab Mining Co.
42. UNESCO Category 2 Regional Education and Research Centre on Oceanography for West Asia (RCOWA)
43. UNESCO Chair on Engineering Education
44. University of Science and Technology of Mazandaran
45. University of Tehran
46. Urmia University







Conferences, Exhibitions and Publications

UNESCO Chair on Coastal Geo-Hazard Analysis

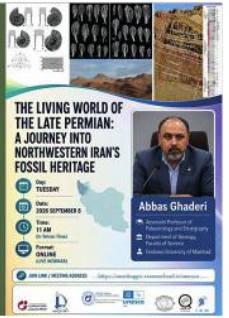
Cambrian–Ordovician Biodiversity Events of Iran • Jun 9, 2026



AI in Geology, Climate Change & Base Resources • Jan 26, 2026



The Living World of the Late Permian • Sep 8, 2026



Extinction Events in Paleozoic Coral Fossils • Jul 21, 2026





IGM at Exhibitions

Intelligent Geo Mine (IGM) actively participates in major domestic and international exhibitions and industry events to strengthen its professional presence, expand business networks, and engage with key stakeholders across the mining, mineral, investment, construction, and infrastructure sectors.

Selected exhibitions and events attended in 2025 and 2026 include:

- Erbil International Building & Infrastructure Exhibition

23–26 September 2025 | Erbil, Iraq

- 14th International Conference & Exhibition on Investment Opportunities in Iran's Mines and Mining Industries 2025
- 22nd International Exhibition of Iran METAFO 2025

Through its participation in these events, IGM continues to pursue new business opportunities, foster strategic partnerships, and exchange technical knowledge and expertise in both domestic and international markets.

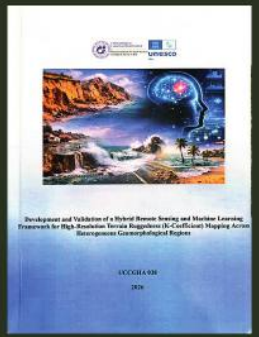


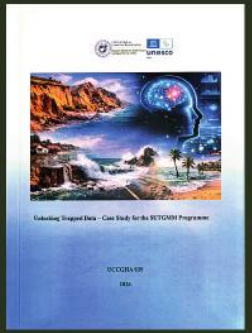
Publications

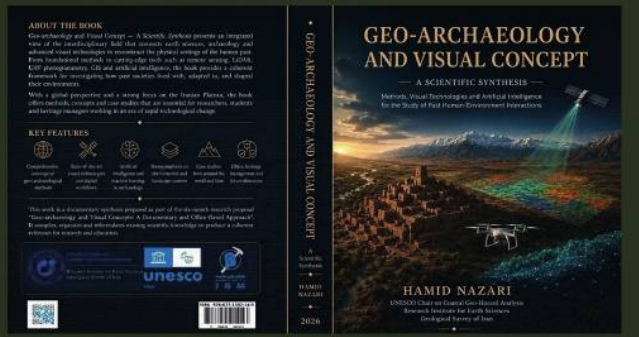
Unlocking Trapped Data، 2026
K-Coefficient Report، 2026
Geo-Archaeology and Visual Concept: A Scientific Synthesis، 2026
White Hydrogen and Ophiolitic Lands in Iran، MedGU، 2025
Exploring the Myth of Lake Saveh on the Iranian Plateau، MedGU، 2026• Hamid Nazari, (2025). Next-Gen Onshore Geological Mapping: The Power of AI for Faster, More Precise Results; 11th conference Minerals of the Ocean, June 3-5th, ST. Petersburg, Russia.

• Hamid Nazari, Jalal Karami, Saied Arefipour, Aram Fathian, Mohammad Fonodi, (2025). GeoNexus: Leveraging Cloud and AI for Server-Based Unified Thematic Geological Mapping, FIRST ARTIFICIAL INTELLIGENCE IN MARITIME INDUSTRIES CONFERENCE, May 6-7th, Tehran-Iran.

• Hamid Nazari, Jalal Karami, Saied Arefipour, Aram Fathian, (2025). Geological Mapping in the Era of AI: Leveraging Innovation for Precision and Speed! UNESCO Chair on Coastal Geo-Hazard Analysis, UCCGHA 033, ISBN:978-622-8423-35-7.








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ACTIVE RESEARCH PROJECTS



Geo - Archaeology

1- The Caspian Epipalaeolithic–Neolithic Tra nsition

The Transition from Hunter Gathering to the Framing Societies in the southern of Caspian Sea shoreline, Human and environment interaction

Duration of the Project: 2021 -2026

Main financial funder:

The Ministry of Cultural Heritage, Handicraft and Tourism, Iran,
University of Reading (UK)
German Archaeological Institute, Tehran Branch, Germany

Main project manager:

University of Tehran, Iran, (Hassan Fazeli Nashli)

Internal/External Project collaborators:

The Ministry of Cultural Heritage, Handicraft and Tourism, Iran
Iranian Center for Archaeological Research, Iran
Research Institute for Earth Sciences, Geological Survey of Iran, Iran
University of Reading, UK
German Archaeological Institute, Tehran Branch, Germany
University of Warsaw (Poland) Intelligent Geo-Mine Co. (IGM)


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2- SE Caspian Geoarchaeology & Landscape Evolution

Geoarcheology of Behshahr region, SE Caspian

Duration of the project:

2022 - 2025

Main financial funder:

German Archaeological Institute, Germany

Research Institute for Earth Sciences, Iran

Main project manager:

German Archaeological Institute, Tehran, Germany: (Judith Thomalsky)

Internal/External collaborator:

University of Tehran, Iran

Research Institute for Earth Sciences, Iran

Geological Survey of Iran

Intelligent Geo-Mine Co. (IGM)

3- Paleolakes of the Central Iranian Plateau

The history of the paleolake in Central Iranian Plateau

Duration of the project:

2010-2026

Main financial funder:

Research Institute for Earth Sciences, Iran

Geological Survey of Iran

Main project manager:

Research Institute for Earth Sciences, Iran, (Hamid Nazari)

Internal/External collaborator:

France, US, Armenia, Japan and Iran (Intelligent Geo-Mine Co. (IGM))



5- Environmental Geochemistry, Miankaleh Peninsula

Determining the physical, chemical characteristics and changes in the sedimentation rate in the Miankala peninsula and its effect on the death of birds, SE Caspian Sea

Duration of the project:

2022-2025

Main financial funder:

Research Institute for Earth Sciences, Iran
Chinese Academy of Sciences, China
University of Tehran, Faculty of environmental engineering

Main project manager:

Research Institute for Earth Sciences (Raziyeh Lak)

Internal/External collaborator:

Research Institute for Earth Sciences, Iran
University of Tehran
Lanzhou University, China
Intelligent Geo-Mine Co. (IGM)



6- Holocene Dynamics of the SE Caspian Shoreline

Reconstruction of Holocene environments, Climate and Geography of Gomishan coastal zone, SE Caspian

Duration of the project:

2021-2026

Main financial funder:

Iranian National Institute for Oceanography and Atmospheric Science, Iran

Research Institute for Earth Sciences, Iran

Chinese Academy of Sciences, China

Main project manager:

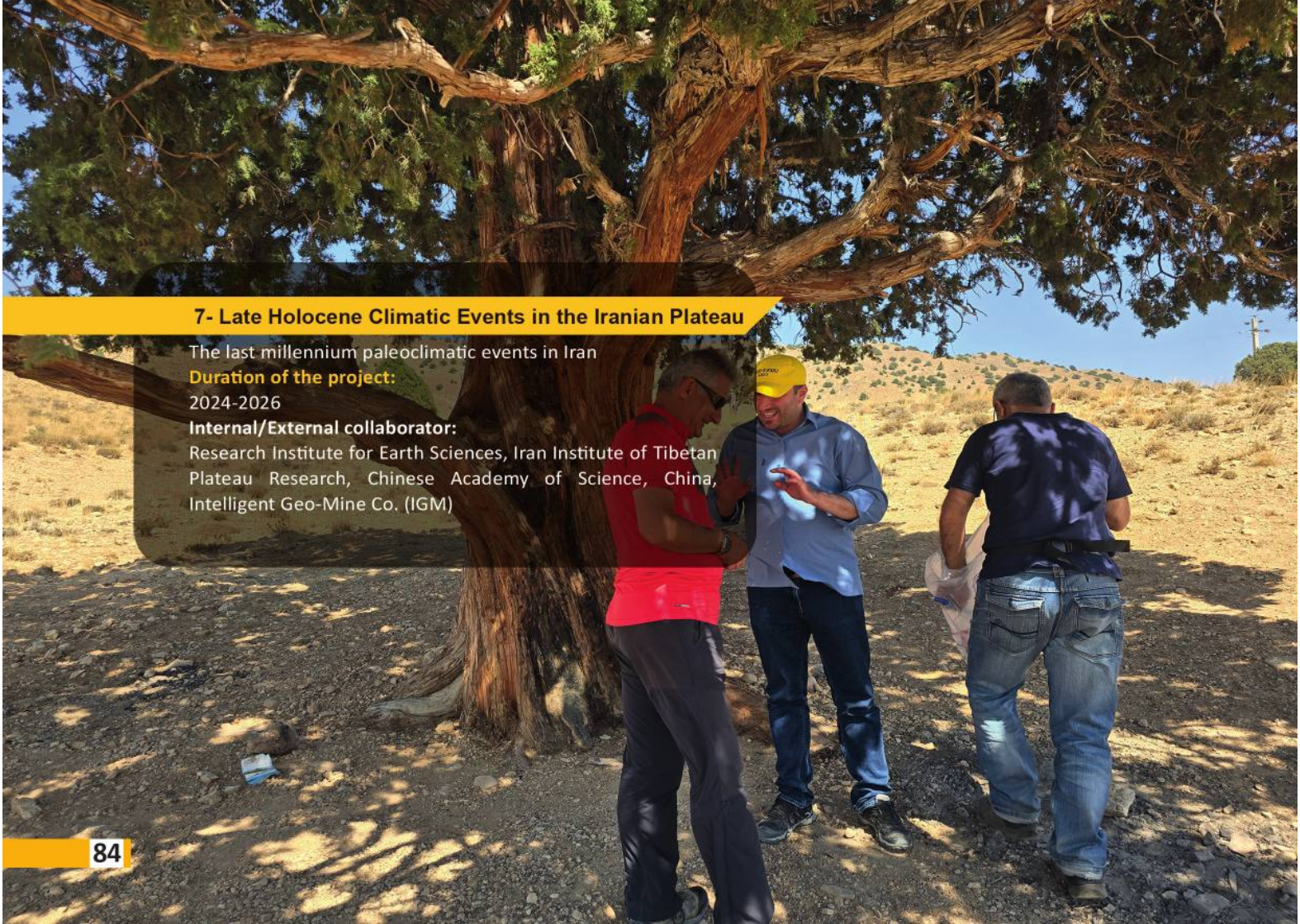
Iranian National Institute for Oceanography and Atmospheric Science, Iran, (Hamid Alizade ketak Lahijani)

Internal/External collaborator:

Research Institute for Earth Sciences, Iran

Lanzhou University, China

Intelligent Geo-Mine Co. (IGM)



7- Late Holocene Climatic Events in the Iranian Plateau

The last millennium paleoclimatic events in Iran

Duration of the project:

2024-2026

Internal/External collaborator:

Research Institute for Earth Sciences, Iran Institute of Tibetan Plateau Research, Chinese Academy of Science, China, Intelligent Geo-Mine Co. (IGM)

Tectonic and hazard assessment

8- Permian-Triassic Boundary: Paleomagnetic Studies

Paleomagnetism of the Permian-Triassic boundary in Iran

Duration of the project:

2024-2026

Internal/External collaborator:

Research Institute for Earth Sciences, Iran, the UNESCO Chair on Coastal Geo -Hazard Analysis Institute of Geology and Geophysics, Chinese Academy of Sciences (IGGCAS) in Beijing Intelligent Geo-Mine Co. (IGM)

9- National Seismic Hazard Assessment of Iran

Iranian Earthquake Hazard Map (IEHM)

Duration of the project:

2014-2024

Main financial funder:

Planning and Budget Organization, Iran Research Institute for Earth sciences, Iran

Main Project manager:

Research Institute for Earth sciences, Iran, (Morteza Talebian)

Internal/External collaborator:

Research Institute for Earth Sciences, Iran
University of Tehran, Iran
Intelligent Geo-Mine Co. (IGM), Iran
University of Berkley, USA





10- Morphotectonic Analysis of the Gavaraget Fault

Morphotectonic Analysis on the Gavaraget fault west of Grand Sevan

Duration of the project:

2023-2025

Main financial funder:

CNRS, University of Montpellier, (Jean Francois Ritz)

Main Project manager:

Geological Institute of Armenia (Ara Avagyan)

Internal/External collaborator:

Armenia, France, Russia and Iran (Intelligent Geo-Mine Co. (IGM))

11- Paleoseismology of the NE Sevan Faults

Paleoseismology in the North East of Sevan

Duration of the project:

2023-2025

Main financial funder:

Geological Institute of Armenia (Ara Avagyan)

CNRS, University of Montpellier, (Jean Francois Ritz)

Main project manager:

Geological Institute of Armenia (Ara Avagyan)

Internal/External collaborator:

Armenia, France, Russia and Iran (Intelligent Geo-Mine Co. (IGM))

Geology and AI

12- GeoNexus

The Server-based Integrated and homogeneous thematic mapping in the Makran zone
Artificial Intelligence and Deep Machine Learning "GeoNexus"
Duration of the project: 2023-2026
Main financial funder:
Research Institute for Earth Sciences, Iran
Main project manager:
Research Institute for Earth Sciences, Iran, (Hamid Nazari)
Internal/External collaborator:
Research Institute for Earth Sciences
Tarbiat Modares University
Intelligent Geo-Mine Co. (IGM)

13- SUTGMN: AI-Driven Thematic Mapping of the Naeen Zone

The Server-based Integrated and Homogeneous Thematic Mapping in the Naeen Zone: Artificial Intelligence and Deep Machine Learning (SUTGMN)
Duration of the project: 2025
Main financial funder:
Research Institute for Earth Scietnces, Iran
Main project manager:
Research Institute for Earth Sciences, Iran (Hamid Nazari)
Internal/External collaborator:
University of Tehran
Shahid Beheshti University
Shiraz University
University of Zanjan
Intelligent Geo-Mine Co. (IGM)

16- AI-Driven High-Resolution Terrain Ruggedness Modeling (K-Coefficient Mapping)

Development and Validation of a Hybrid Remote Sensing and Machine Learning Framework for High-Resolution Terrain Ruggedness (K-Coefficient) Mapping Across Heterogeneous Geomorphological Regions

Duration of the project:
2025–2027

Main financial funder:
Intelligent Geo-Mine Co. (IGM)

Main project manager:
Research Institute for Earth Sciences, Iran (Hamid Nazari)

17- GeoNA: AI-Powered Platform for Advanced Geochemical Data Analytics

Development of GeoNA: An AI-Powered Geochemical Data Processing Platform with Web-Based UI

Duration of the project:
2025–2027

Main financial funder:
Intelligent Geo-Mine Co. (IGM)

Main project manager:
Research Institute for Earth Sciences, Iran (Afshin Akbarpour)

18- AutoGeoLog: AI-Driven Automation for Geological Log Sheet to Vector PDF Plotting

AI-Based Automatic Conversion of Geological Excel Log Sheets to Professional PDF Log Plots

Duration of the project:

2026

Main financial funder:

Intelligent Geo-Mine Co. (IGM)

Main project manager:

Research Institute for Earth Sciences, Iran (Hamid Nazari)

19- Geodynamic and Geochemical Evolution of the East Iranian Belt

Geodynamics and Geochemical Analysis in East Iranian Belt

Duration of the project:

2024-2025

Main project manager:

Research Institute for Earth Sciences, Iran, (Afshin Akbarpour)

Internal/External collaborator:

University of Birjand

20-Mishab Prospecting and Metallogenic Studies, Isfahan province

Mineral Resources & Mining in Central of Iran (Exploration/ Extraction)

Duration of the Project:
2025-2026

Main financial funder:
Research Institute for Earth Sciences

Main Project manager:
Intelligent Geo-Mine Co. (IGM). (Afshin Akbarpour)

21-Geophysical Surveying

Duration of the Project:
2025-2028

Main financial funder:
Geological Survey of Iran

Main Project manager:
Research Institute for Earth Sciences
(M. Mohammadi Vizheh)

Internal/External Collaborator:
Intelligent Geo-Mine Co. (IGM)

22- Mineral Exploration and Mining in Abak Area, Kerman Province

Duration of the project:
2025–2026
Main financial funder:
Zarrin Mehr Bardsir
Main project manager:
Intelligent Geo-Mine Co. (Mina Boveiri)

23- Mineral Exploration and Mining in Ghezlar Area, Markazi Province

Duration of the project:
2025–2026
Main financial funder:
Zamin Kavan Ofogh Ayandeh Co. (ZKO)
Main project manager:
Intelligent Geo-Mine Co. (Afshin AkbarPour)

24- Mineral Exploration and Mining in Gouri Area, Kerman Province

Duration of the project:
2025
Main financial funder:
Zamin Kavan Ofogh Ayandeh Co. (ZKO)
Main project manager:
Intelligent Geo-Mine Co. (Afshin AkbarPour)



25- Mineral Exploration and Mining in HajiAbad Area, Tehran Province

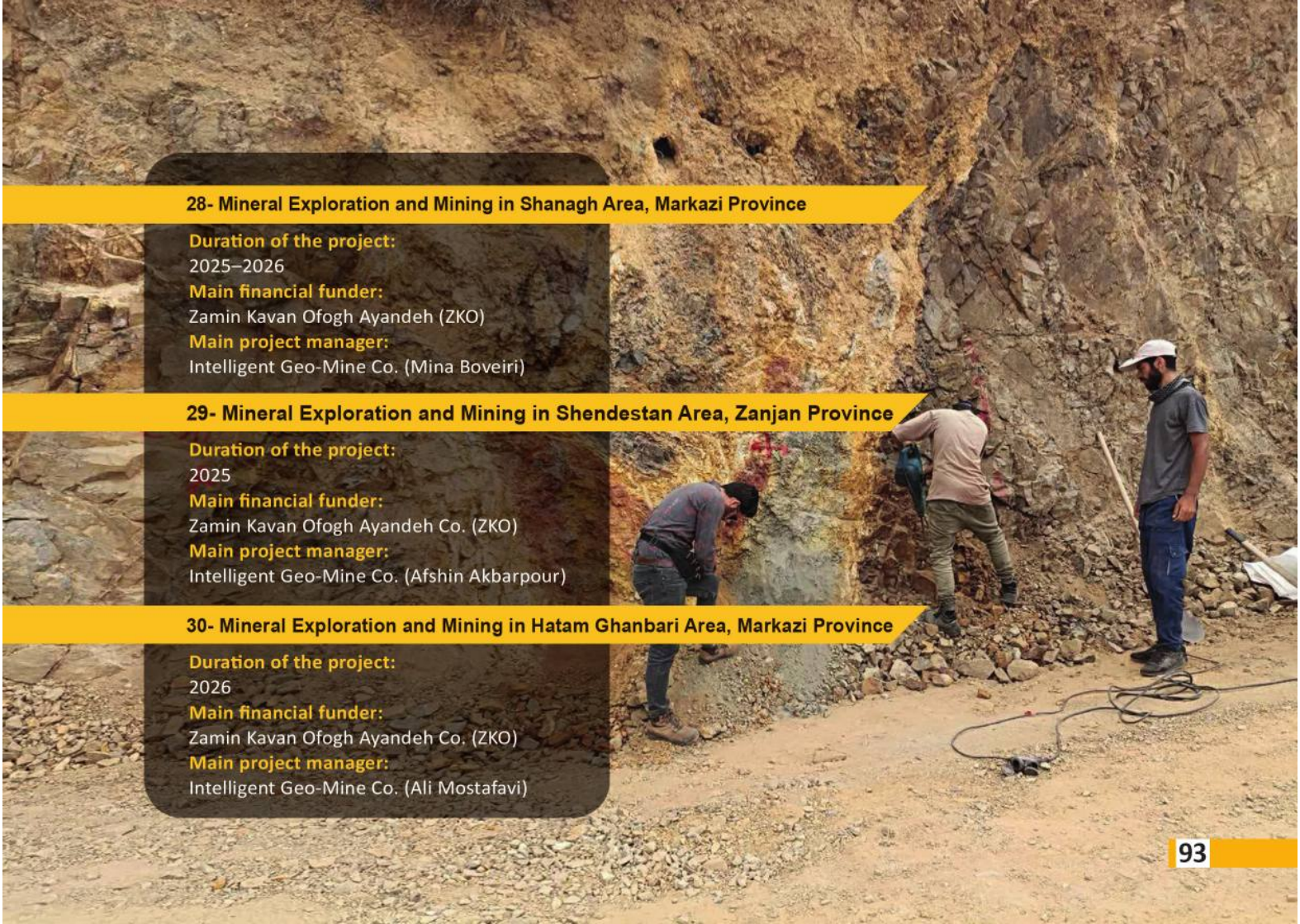
Duration of the project:
2025
Main financial funder:
Zamin Kavan Ofogh Ayandeh (ZKO)
Main project manager:
Intelligent Geo-Mine Co. (Afshin Akbarpour)

26- Mineral Exploration and Mining in Lohneh Area, Zanjan Province

Duration of the project:
2025–2026
Main financial funder:
Zamin Kavan Ofogh Ayandeh
Main project manager:
Intelligent Geo-Mine Co. (Mina Boveiri)

27- Mineral Exploration and Mining in Marshoun Area, Zanjan Province

Duration of the project:
2025–2026
Main financial funder:
Tamin Madan Ceram
Main project manager:
Intelligent Geo-Mine Co. (Mina Boveiri)



28- Mineral Exploration and Mining in Shanagh Area, Markazi Province

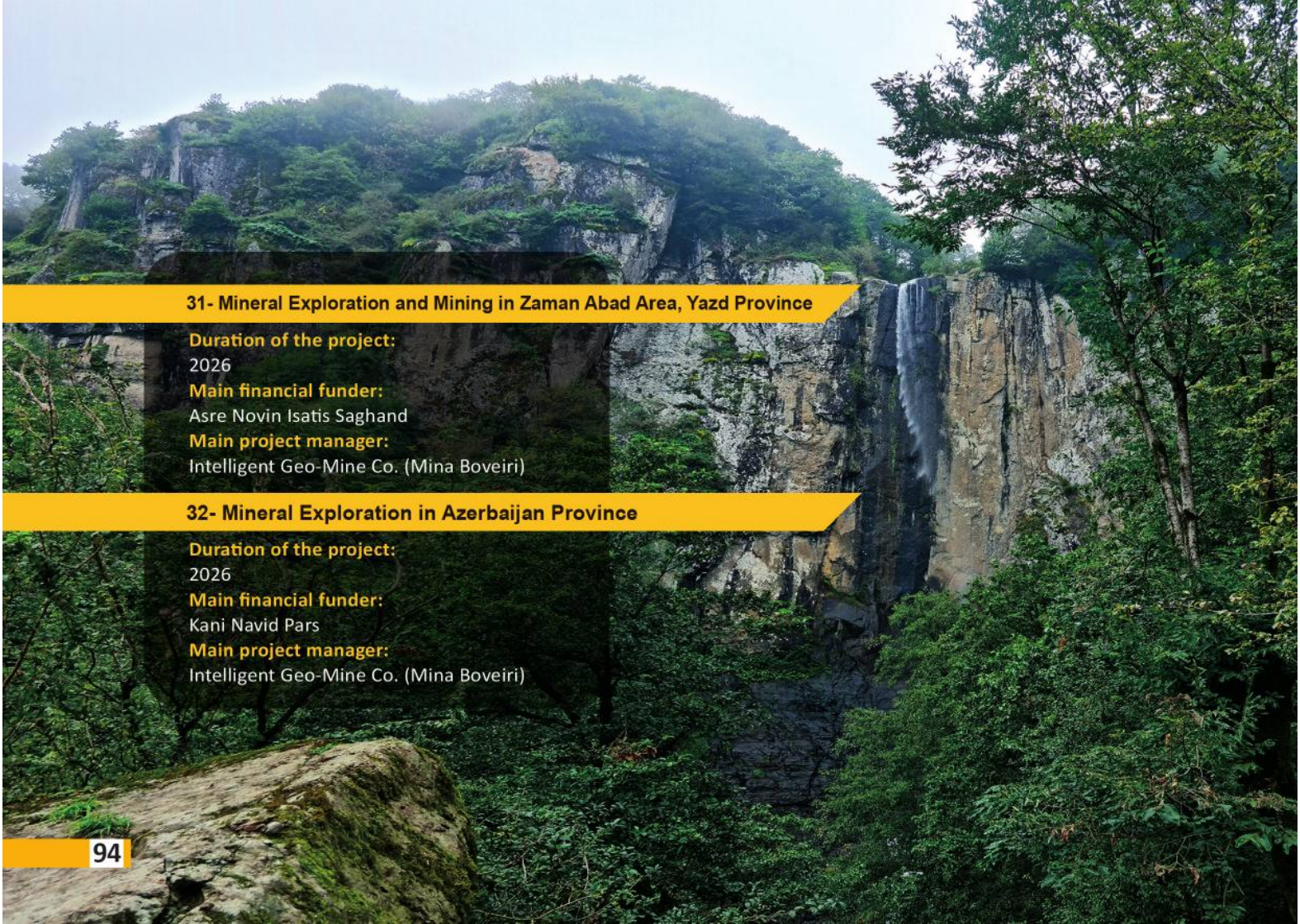
Duration of the project:
2025–2026
Main financial funder:
Zamin Kavan Ofogh Ayandeh (ZKO)
Main project manager:
Intelligent Geo-Mine Co. (Mina Boveiri)

29- Mineral Exploration and Mining in Shendestan Area, Zanjan Province

Duration of the project:
2025
Main financial funder:
Zamin Kavan Ofogh Ayandeh Co. (ZKO)
Main project manager:
Intelligent Geo-Mine Co. (Afshin Akbarpour)

30- Mineral Exploration and Mining in Hatam Ghanbari Area, Markazi Province

Duration of the project:
2026
Main financial funder:
Zamin Kavan Ofogh Ayandeh Co. (ZKO)
Main project manager:
Intelligent Geo-Mine Co. (Ali Mostafavi)

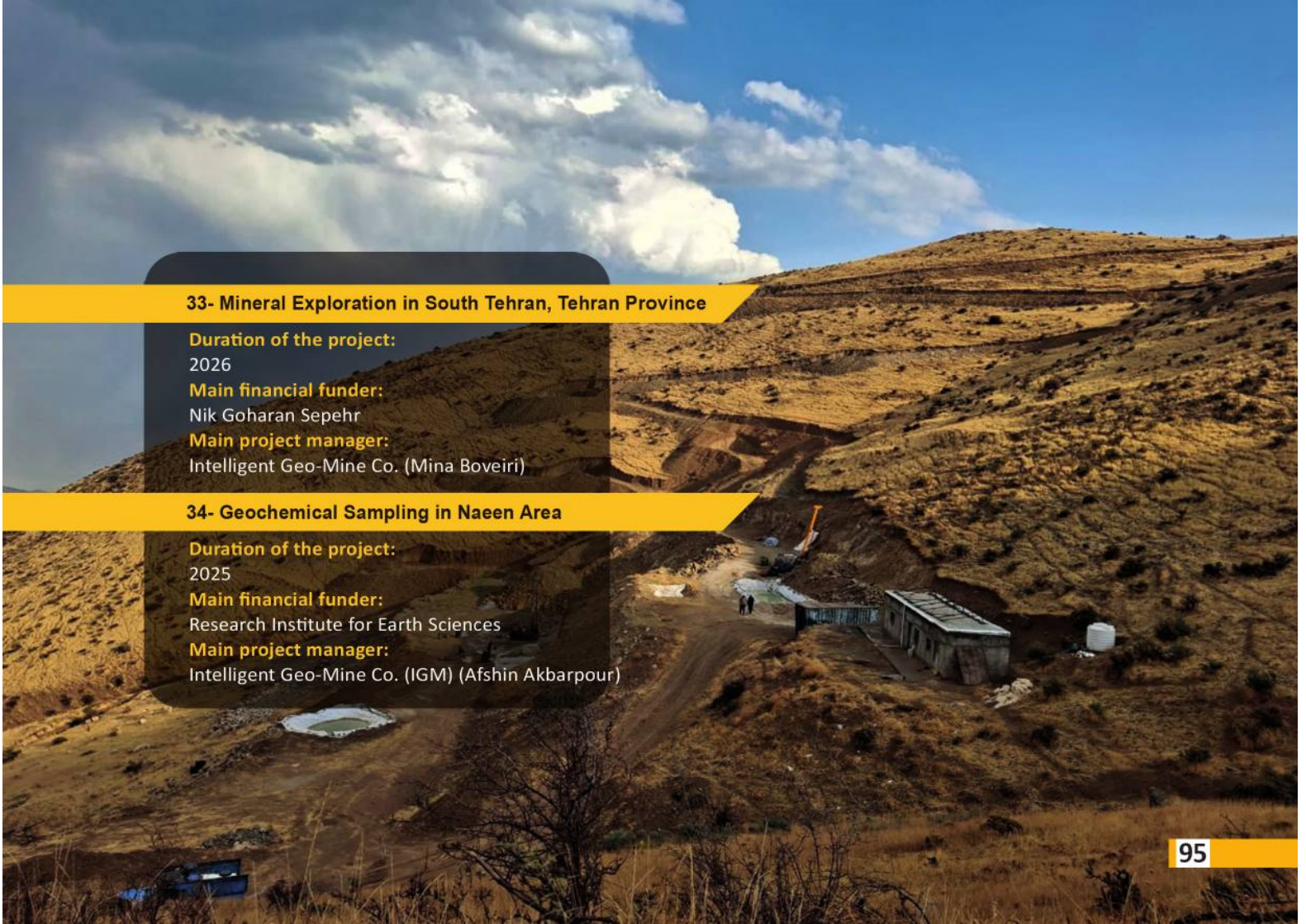


31- Mineral Exploration and Mining in Zaman Abad Area, Yazd Province

Duration of the project:
2026
Main financial funder:
Asre Novin Isatis Saghand
Main project manager:
Intelligent Geo-Mine Co. (Mina Boveiri)

32- Mineral Exploration in Azerbaijan Province

Duration of the project:
2026
Main financial funder:
Kani Navid Pars
Main project manager:
Intelligent Geo-Mine Co. (Mina Boveiri)



33- Mineral Exploration in South Tehran, Tehran Province

Duration of the project:
2026
Main financial funder:
Nik Goharan Sepehr
Main project manager:
Intelligent Geo-Mine Co. (Mina Boveiri)

34- Geochemical Sampling in Naeen Area

Duration of the project:
2025
Main financial funder:
Research Institute for Earth Sciences
Main project manager:
Intelligent Geo-Mine Co. (IGM) (Afshin Akbarpour)



BEYOND THE FRONTIER:
Roadmap & Ambitions

Intelligent Geo-Mine Company (IGM) Now entering its second year of operations, IGM is proud to be recognized as a premier knowledge-based enterprise at the intersection of geosciences and artificial intelligence, accredited by the Vice Presidency for Development of Knowledge-Based Companies and Institutions, Presidency of Iran. Driven by a commitment to excellence, IGM is redefining its roadmap and strategic objectives to harness expanding knowledge and operational innovation. Our goal is to operate at the very frontier of technological advancement and set new international standards in geology, mining, and the mineral industries.











Strategic Pillars of Innovation

1. Proprietary Spatial Processing Engine

IGM is designing, documenting, and implementing a dedicated spatial processing engine that will eliminate reliance on commercial software environments. This strategic initiative establishes fully independent technical knowledge, ensuring data sovereignty, operational flexibility, and long-term control over core geospatial capabilities—critical for Iran's mining and geoscience sectors.

2. Integrated Intelligent Software System

We are converting our computing core codes into a unified, modular software system deployable across both web and desktop environments. Every module is rigorously documented, tested, and integrated to enable seamless, scalable, and transparent operations for complex geoscience and mining workflows. This system empowers our team and partners with full transparency, customizability, and independence from third-party dependencies.

KAVIR MAHAM TAKIN GROUP



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About IGM

Intelligent Geo-Mine (IGM) is an Iran-based, knowledge-based company focused on applying artificial intelligence to earth sciences, geological research, mineral exploration, and sustainable resource management. By combining advanced technologies, geological expertise, and scientific data, IGM supports data-driven decision-making and promotes the responsible use of natural resources.

Key Contents

Leadership Messages
CEO & Board

Vision, Mission & Goals
Strategy & Objectives

Corporate Structure
Infrastructure & Organization

Experts & Scientific Council
Experts, Founders, UNESCO Chair

Partnership & Events
MOU, Expo, Workshops

Projects & Roadmap
Research & Development

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Geo-Hazard Analysis