

End-to-End Solutions

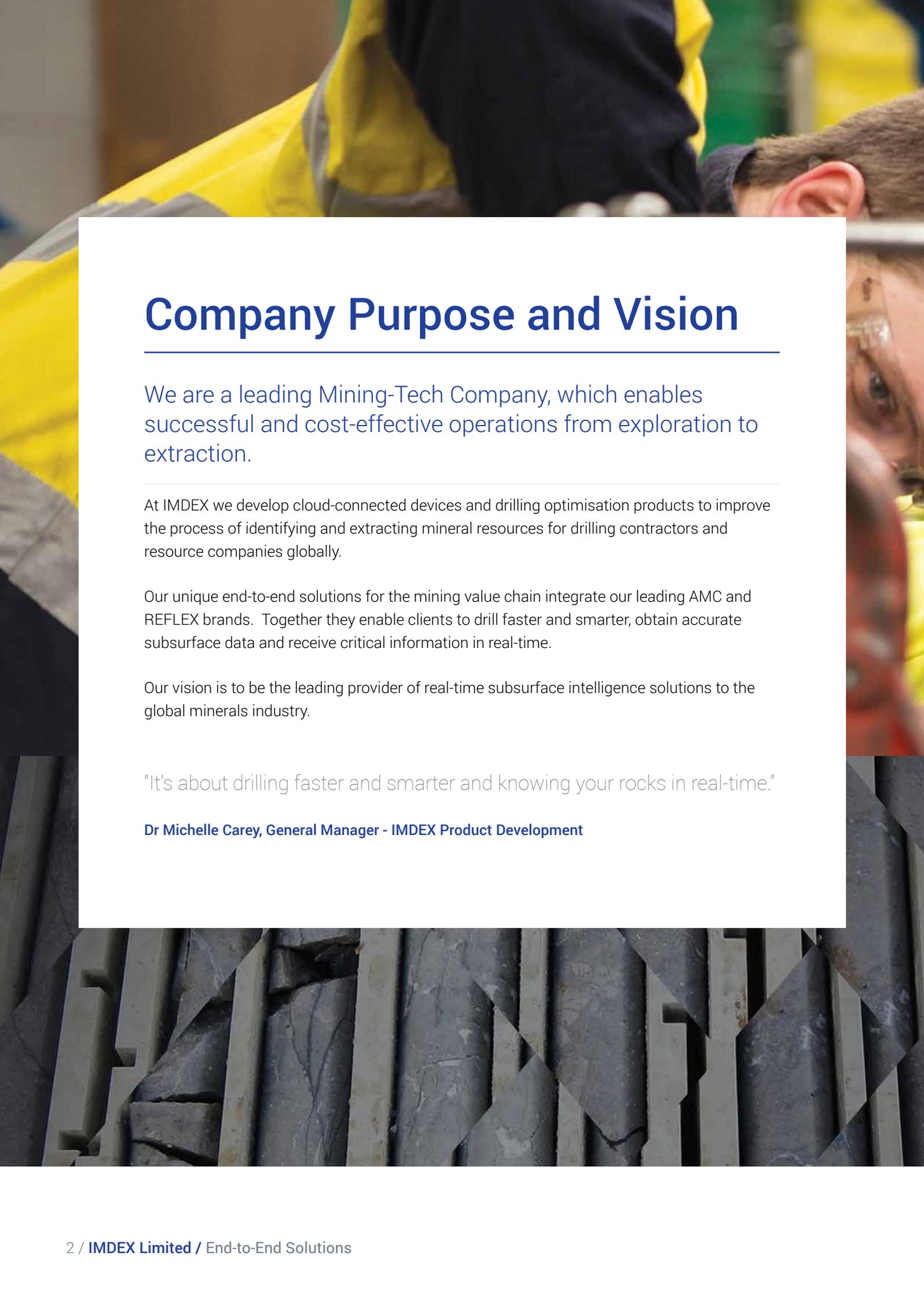
Downhole Navigation • Structural Geology • Drilling Optimisation
In-Field Geoanalysis • Driller Operable Geophysics



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Company Purpose and Vision

We are a leading Mining-Tech Company, which enables successful and cost-effective operations from exploration to extraction.

At IMDEX we develop cloud-connected devices and drilling optimisation products to improve the process of identifying and extracting mineral resources for drilling contractors and resource companies globally.

Our unique end-to-end solutions for the mining value chain integrate our leading AMC and REFLEX brands. Together they enable clients to drill faster and smarter, obtain accurate subsurface data and receive critical information in real-time.

Our vision is to be the leading provider of real-time subsurface intelligence solutions to the global minerals industry.

“It’s about drilling faster and smarter and knowing your rocks in real-time.”

Dr Michelle Carey, General Manager - IMDEX Product Development



Global Presence, Local Support

IMDEX is an established business operating in all key mining regions of the world.

Our company's global presence and comprehensive distribution network allow us to provide local and timely solutions to clients. It also ensures we can efficiently introduce new technologies to our markets.

"We have facilities in all key mining regions of the world and support clients in more than 100 different countries."

Paul House, Chief Operating Officer



Leading Brands

We have two market leading brands **AMC** and **REFLEX**.

IMDEXTM
REAL-TIME SUBSURFACE SOLUTIONS



AMC

redefines the way drilling fluids, equipment, technologies and software are used to optimise drilling programs. It is renowned for maximising productivity while enhancing safety and sustainability. AMC has a strong presence within the global minerals, horizontal directional drilling, waterwell and civil construction sectors.



REFLEX

is renowned for its real-time subsurface intelligence solutions for the global minerals industry. REFLEX technologies include downhole instrumentation, data management and analytical software for geological modelling. These market leading technologies – recognised for their ease of use and accuracy – are complemented by unrivalled expertise in geo-scientific data analysis and interpretation.



Our Integrated Solutions

Together, our products and technologies assist clients to reduce costs and increase their productivity by providing end-to-end solutions across the full mining life cycle.



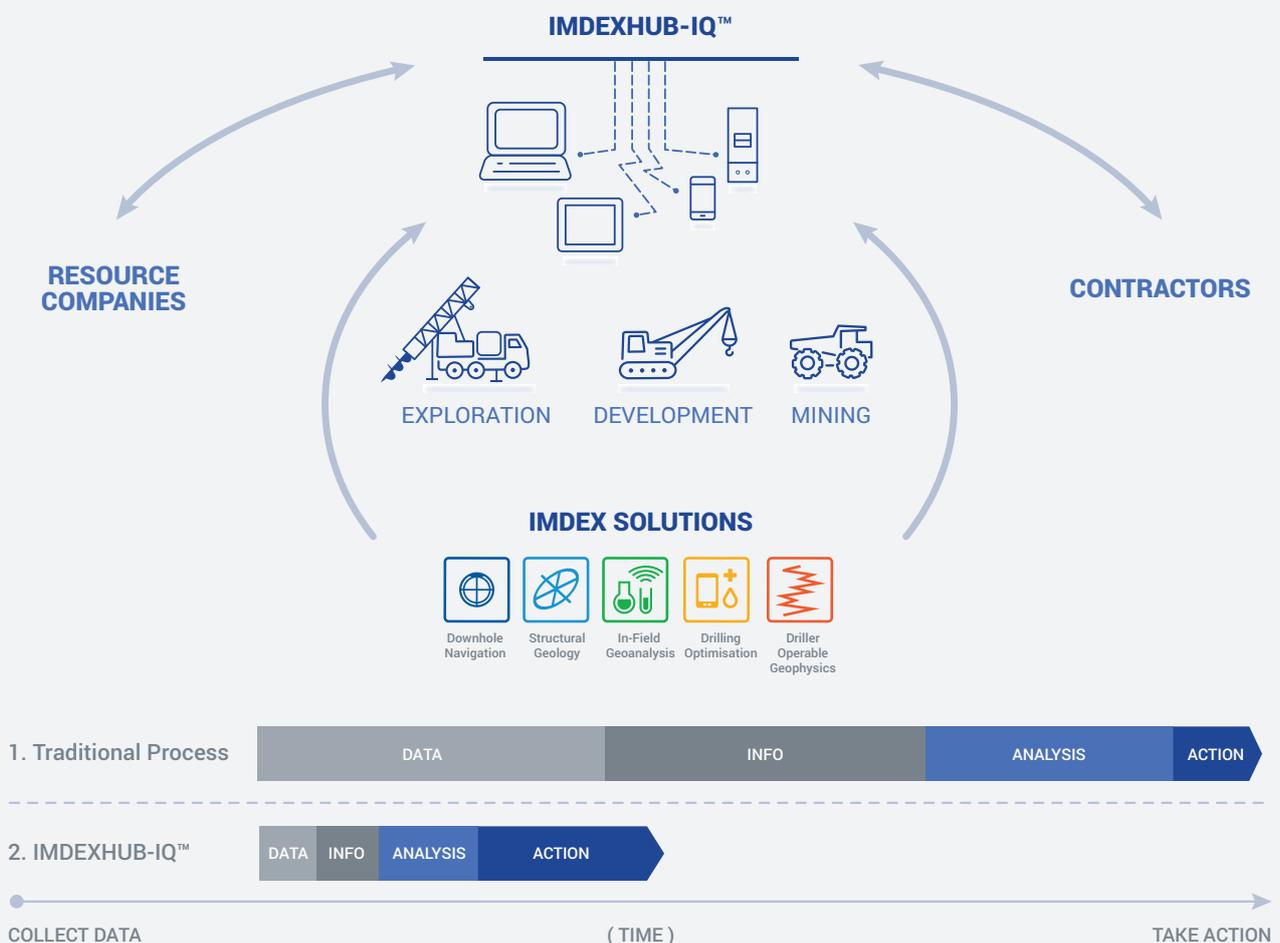
Leading Technologies and Solution Sets

Our strengths

- World-class R&D capabilities
- Technology leadership
- Global presence and on-site support
- Integrated range of solutions for exploration, development and mining
- Market leading brands

Client benefits

- Chain of custody
- Quality data
- Timeliness
- Streamlined processes



Why One Solution Provider?

At IMDEX we provide a unique suite of intelligence solutions that integrate the best of AMC and REFLEX's market leading technologies.

These solutions support our clients to improve productivity, reduce costs and gain access to relevant, reliable information for critical decision making, anywhere and at any time.

Drilling Faster & Smarter

- Drilling productivity and rig alignment technologies
- Automated and remote drilling fluid testing technologies
- Data collection and paperless reporting software



Accurate Subsurface Data

- Downhole survey sensors
- Core orientation and gamma logging technologies
- In-field sampling and analysis technologies

Receiving Real-Time Information

- Secure cloud-based services
- Real-time subsurface visualization
- Interpretive software – geological data

Exploration

Discovery

Definition

Planning

Fragmentation

Extraction



GRAPHIC SOURCE: CRC ORE

EXPLORATION & DEVELOPMENT

MINING

The Ultimate Productivity Enabler

When you work with IMDEX you have all the benefits of working with one trusted technology provider for a complete solution.

You can now benefit from operational efficiencies by utilising one company offering the integration of award-winning technology to digitise key workflow processes, supported by unrivalled expertise.

Savings Across the Complete Project



- Real-time information
- Rapid logging
- Faster decision making



- Instant access to trusted field data
- Benefits associated with one provider
- Reduce costs of on-site technicians



- Across project synergies
- Automated workflows
- Turning data into intelligence



Why IMDEX?

- Market leading expertise
- One trusted technology solution provider
- Integrated range of solutions from two market leading brands – AMC and REFLEX
- Connectivity to IMDEXHUB-IQ™
- World-class R&D facilities
- Global presence with local on-site support in all major mining regions
- A history of pioneering innovation and remaining at the forefront of technology advancements.

Award-winning Technologies

REFLEX EZ-GAMMA™ and REFLEX EZ-GYRO™

- Winner of Mining Magazine's Exploration Award

IMDEXHUB-IQ™

- WAITTA INCITE Awards – Most Innovative Collaborative Technology Award
- WAITTA INCITE Awards – Minister's Award for Excellence in Innovation

AMC BOS™

- WA Industry & Export Awards – Excellence in Engineering & Technology

AMC SOLIDS REMOVAL UNIT™

- AMEC Environmental Award
- WA Innovator of the Year Award

Make Decisions Faster with Real-time Data

IMDEXHUB-IQ™ is a secure, cloud-based portal for validating field data, seamlessly transmitted from the drill rig and integrated with leading industry software.

Whether you're at the drill site or in the office, IMDEXHUB-IQ™ assists in the understanding of field data, optimise your drill program and deliver quality results, sooner.

Make decisions in the moment

With access to real-time data, decisions can be made while operations are live. Not next week after the data has been adjusted and certainly not after the drill rig has finished and left the site.

See the bigger picture

Transparency across multiple streams of data, associated with a single drill hole or an entire operation, allows managers to monitor activity and ensure quality decisions in the field, wherever they are.

Information, not just data

The rigorous data validation and built-in QA/QC at the time of data collection, ensures that only data that can be transformed into valid, actionable information is transferred.

Seamless integration

We are partnering with leading industry software partners, such as Seequent, acQuire and MICROMINE, enabling the secure sharing of data between IMDEXHUB-IQ™ and our partners.

Simple and secure chain of custody

With no manual intervention or paperwork required, errors and inefficiencies in the workflow are reduced and decisions are made on verifiable data.



IMDEXHUB-IQ™ is ideal for applications across the exploration life cycle, providing efficient drillhole and sample data management; from daily reporting requirements, to structural logging, geochemical analysis and QA reporting.



DRILLHOLE PLANNING

Plan projects and drill holes to securely share with drilling contractors via IMDEXHUB-IQ™.



WORKFLOW MANAGEMENT

Seamless connection with REFLEX instruments, IMDEX MOBILE™ and the IMDEX MUD AID™ means data can flow efficiently within a secure chain of custody.



ROBUST QA/QC

IMDEXHUB-IQ™ provides validation at the point of collection and data sign off within the portal for complete workflow control.



3D DRILLHOLE VISUALISATION

Integration with Seequent's Central software means you can now visualise and analyse your drillhole data alongside your 3D model in real-time.



THIRD PARTY INTEGRATION

Link to a corporate database or third-party software such as Seequent Central, ioGAS™ or acQure for further interpretation and visualisation.



AUTOMATED AND AD HOC REPORTING

Build and automate reports within IMDEXHUB-IQ™ to monitor drilling programs, daily progress, safety, project costs and KPIs.



USER PERMISSIONS & AUDIT LOG

Easily manage user permissions for instruments and projects, monitor drilling progress and data sharing.



ROBUST SECURITY

IMDEXHUB-IQ™ is ISO27001 certified, is a globally recognised cloud service provider and employs a team of IT professionals to monitor information security.



COMING SOON

Even more integration, analytics, automated alerts, reports and user-friendly dashboards to simplify and assist the critical decision-making.

Structural Geology Solutions

Are you confident the structural data you are relying on for key business decisions is accurate and reliable? Have you ever had to wait days, or even weeks for results from the field before making decisions? Worse still, have you had to make a decision based on data you didn't trust?

Traditional methods of collecting and interpreting structural data from the field are limiting operational efficiencies for clients. Taking days, if not weeks to collect, manipulate and then finally interpret structural data causing delays in critical decision making. The traditional approach doesn't have QA built-in, which may result in key drill and mine planning decisions being based on unreliable data.

IMDEX has developed its end-to-end STRUCTURAL-IQ™ solution so resource companies can benefit from real-time, secure access to verified structural data directly from the field, improving operational efficiencies and reducing risk from manual intervention.

Our STRUCTURAL-IQ™ solution provides the quality of your ACT data in real-time, so you know the reliability of the orientation line your structural data collection relies on. Having the IMDEXHUB-IQ™ central to the overall solution also saves valuable time allowing easy combination of survey data from REFLEX Survey instruments and structural data from the REFLEX IQ-LOGGER™. Finally, advanced interpretation and analysis can be conducted on all your valuable structural data by using the Stereonet functionality in the ioGAS™ software.

IMDEX STRUCTURAL-IQ Solution

IMDEXHUB-IQ™

The award winning cloud-based software sits at the heart of the structural solution, providing real-time secure access to information between the field and the office.



REFLEX ACT-IQ™

This core orientation instrument provides accurate, QA'd orientation data straight from the drill rig to support the collection of quality structural data.

REFLEX GYRO SPRINT-IQ™ / REFLEX EZ-TRAC™

Innovative survey instruments such as the REFLEX GYRO SPRINT-IQ™ and REFLEX EZ-TRAC™ save you time and costs by re-engineering the workflow, so you don't require an on-site technician for drillhole surveying.

REFLEX IQ-LOGGER™

The leading edge REFLEX IQ-LOGGER™ with in-built QA/QC has been developed to ensure rapid and simple structural data capture.

AMC COREWELL™

Core protection systems like AMC COREWELL™ provide unrivalled protection of the core allowing you to maximise the structural data you can gather.

ioGAS™

ioGAS™ software offers advanced exploratory data analysis to support the decisions you need make, when you need them.

Seequent Central Integration

IMDEXHUB-IQ™ integration with Seequent's Central software means you now have real-time 3D visualisation of your drillhole data.

Downhole Navigation Solutions

Hitting drill targets while maintaining productivity is a challenge in the industry. Having access to quality survey data in real-time is critical to meeting this challenge. Without it you run the risk of not knowing where the hole is, or worse, missing a target completely and wasting the cost of drilling the hole.

Accurate and reliable survey data gives you the confidence to make informed decision on drillhole progress against the plan in real-time. As an IMDEX leading brand, REFLEX provides the complete end-to-end solution for overcoming these challenges to allow the accurate intersection of targets.

Our IMDEX Downhole Navigation solution provides your complete downhole needs, from surveying the hole and project creation of drilling programs, to fast and accurate rig alignment through to monitoring the directional progress of the individual borehole with specified directional drilling software. With the latest integration of IMDEXHUB-IQ™ with Seequent's Central software means you now have real-time 3D visualisation of the drillhole.

REFLEX has a reputation as the industry leader in digital downhole data acquisition systems for mineral exploration. With over 40 years of industry experience, you can be confident you are using proven technology you can trust. Our IMDEX Downhole Navigation solution provides accurate, reliable information in all ground conditions.



IMDEXHUB-IQ™

Monitor the quality of your survey data and drillhole progress in real-time. The award winning cloud-based hub provides secure access to information between field and office.



REFLEX GYRO SPRINT-IQ™

Our latest highly accurate north seeking gyro provides survey data within record time using multishot or high speed continuous modes. Integration into IMDEXHUB-IQ™ ensures instant access to result data anywhere, anytime.

REFLEX EZ-TRAC™

Get instant survey data wherever you are, as you need it. This highly accurate driller operable magnetic survey instrument is capable of single-shot, multi-shot and orientation surveys. Drill crews only needs to be trained once to cover all surveying needs.

Seequent Central Integration

IMDEXHUB-IQ™ integration with Seequent's Central software means you now have real-time 3D visualisation of your drillhole data.

REFLEX GYRO™

REFLEX's all attitude, driller operable reference gyro tracks directional data (azimuth and dip), temperature, time and roll via our REFLEX GMIT™ 5 navigation software. This tool is unaffected by magnetic interference and negates the need for a survey contractor on site.

REFLEX EZ-NAV™

Make informed decisions whilst drilling, with the flexibility to change your drill plan before it's too late. With an easy-to-use interface, view actual survey and drillhole data to see if you're tracking towards target and if your drill plan is still achievable.

REFLEX ROTA-LOCK OVERSHOT™

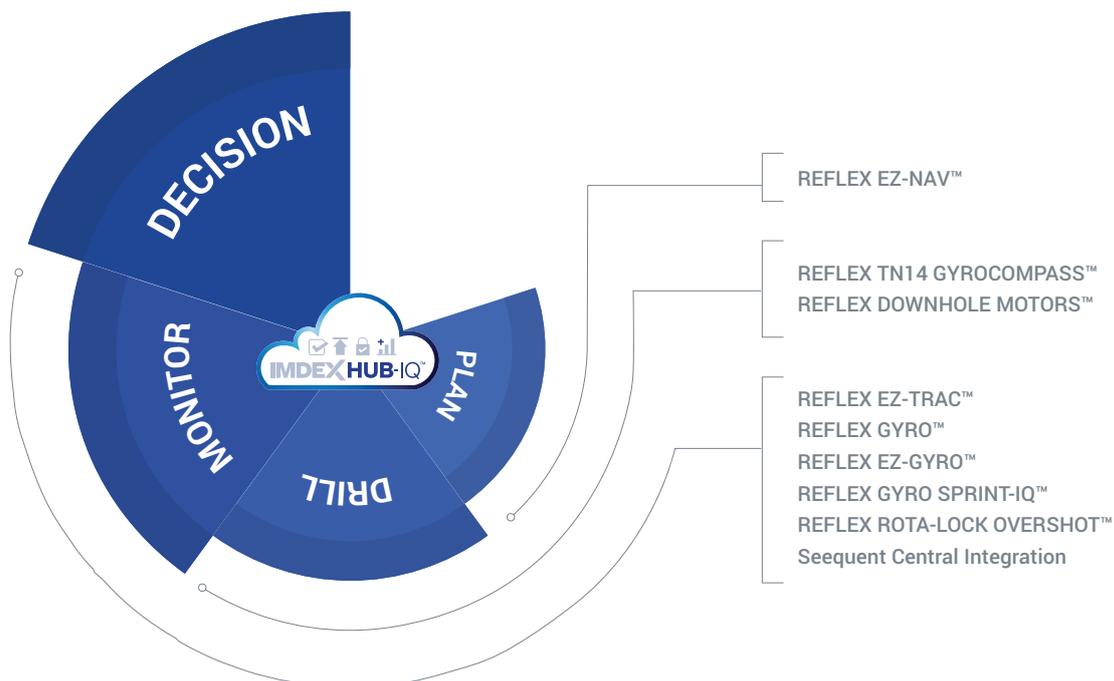
The addition of the patented and proven REFLEX ROTA-LOCK OVERSHOT™ system to the REFLEX GYRO SPRINT-IQ™ minimises survey downtime in diamond drilling applications.

REFLEX TN14 GYROCOMPASS™

Quickly and accurately align drill rigs in surface and underground operations without the need for a surveyor. The driller operable device takes less than 10 minutes to accurately align rigs, reducing downtime and improving productivity.

REFLEX DOWNHOLE MOTORS™

These customised motors provide drillers the option to make alterations to the drill direction easily as required. You can change directions by simply adjusting deflection settings to ensure intersection of the target.



Drilling Optimisation Solution

The combined strengths of IMDEX's leading brands AMC and REFLEX offer a powerful Drilling Optimisation solution for any size drilling contractor or resource company.

AMC has over 30 years' experience establishing itself as one of the world's leading brands for drilling fluids and equipment – developing, manufacturing and supplying a range of specialised and innovative products for drilling. Whilst REFLEX's history of pioneering downhole drilling technology has cemented its reputation for providing reliable, accurate and easy to use equipment that you can trust.

As specialists in drilling optimisation, we aim to redefine the way drilling fluids, equipment, technology and software are used, to ensure execution of drilling programs to specification, on time, within budget and safely.

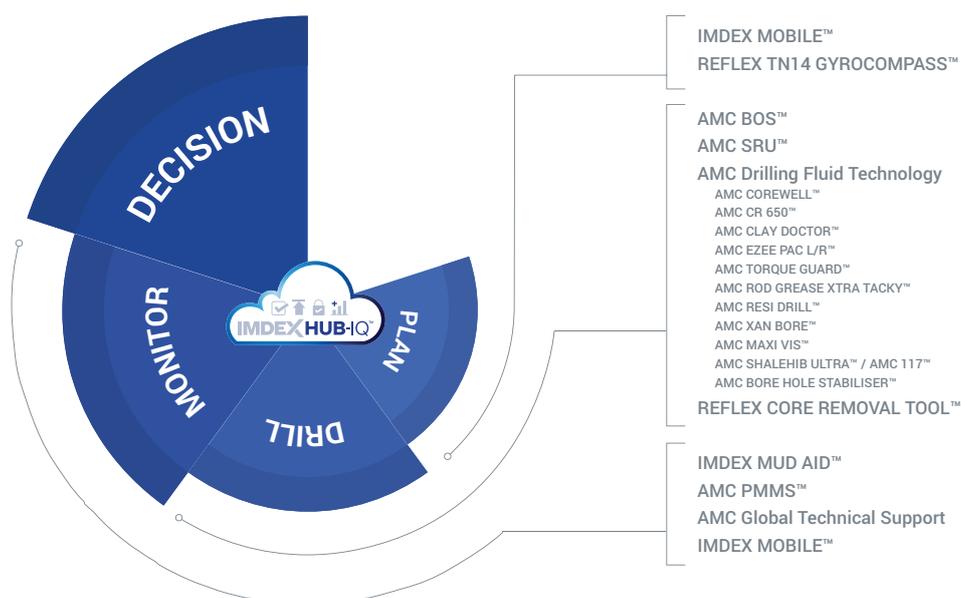
Our Drilling Optimisation solution continually improves results through the Plan, Drill and Monitor cycle by optimising workflows and utilising the latest technologies in its market leading products.

The solution has been refined and developed to respond to increasing pressure for companies to improve efficiencies and minimise the risk of error.

This solution can help to achieve:

- Improved drilling performance and reduced costs;
- Continual improvement on drill plan specifications;
- Real-time, secure access to drilling fluid performance and rheological data, daily drilling reports, safety forms and survey information, providing complete visibility of your entire operation; and
- Access to industry leading expertise via AMC's mud engineers.

Our company also has a reputation for providing excellent on-site support and site specific solutions to clients.





IMDEX's Drilling Optimisation Solution

REFLEX TN14 GYROCOMPASS™

Quickly and accurately aligns drill rigs in surface and underground operations. The driller operable device takes approximately 10 minutes to complete, minimising downtime, improving productivity and saving costs.

IMDEX MUD AID™

An automated in-field mud diagnosis unit guides drillers to optimise and complete drilling fluid programs, without the need for a dedicated drilling fluid engineer on site.

REFLEX CORE REMOVAL TOOL™

The magnetic removal tool ensures maximum protection of the core sample and core orientation mark, preserving the accuracy of the core retrieved with reduced human risk and error.

AMC BOS™

A wire-line downhole solution that works proactively, making targeted injections that produce a thin, robust lubricious membrane to stabilise the borehole and prevent lost circulation.

IMDEXHUB-IQ™

The award winning cloud-based hub sits at the heart of IMDEX's solutions, providing real-time secure access to information between the field and the office.

AMC SRU™ Range

Portable closed-loop systems that eliminate the need for earthen sumps by separating drilled solids and cleaning drill fluid for reuse.

IMDEX MOBILE™

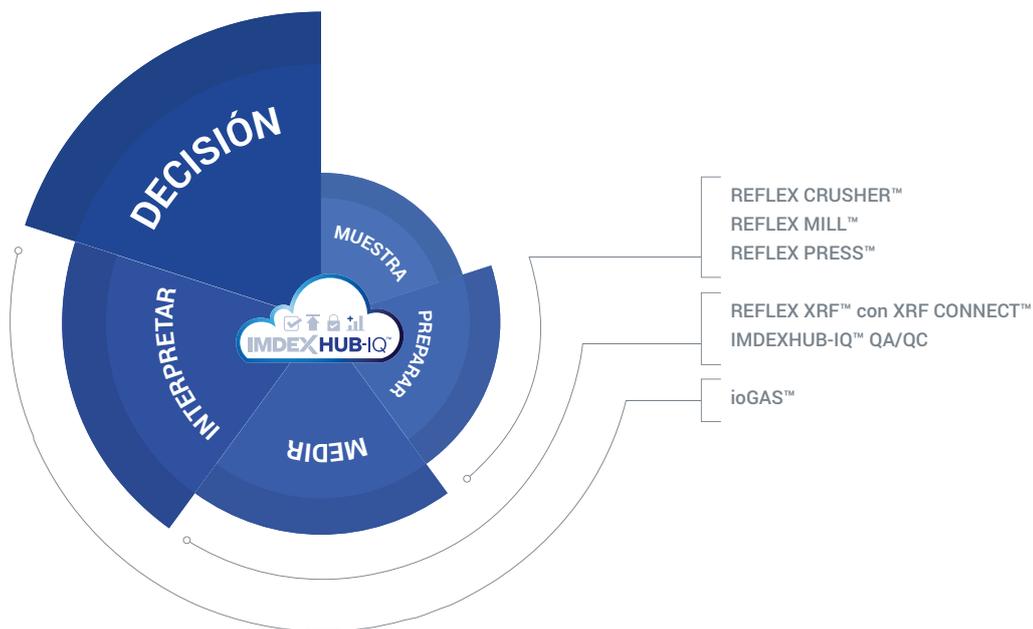
IMDEX has worked closely with the industry to create over 20 ready-to-use standardized forms and reports, from daily drill reports, pre-starts, verified cost reports to rig productivity via this new off-the-shelf software.

AMC Drilling Fluid Technology

AMC's range of drilling fluids maintain sample integrity, improve productivity and control costs, in a variety of ground formations or environmentally sensitive circumstances.

In-Field Geoanalysis Solutions

The complete solution for In-Field Geoanalysis, from sample collection and preparation to data interpretation. Enabling informed decision making in near real-time where and when you need it.

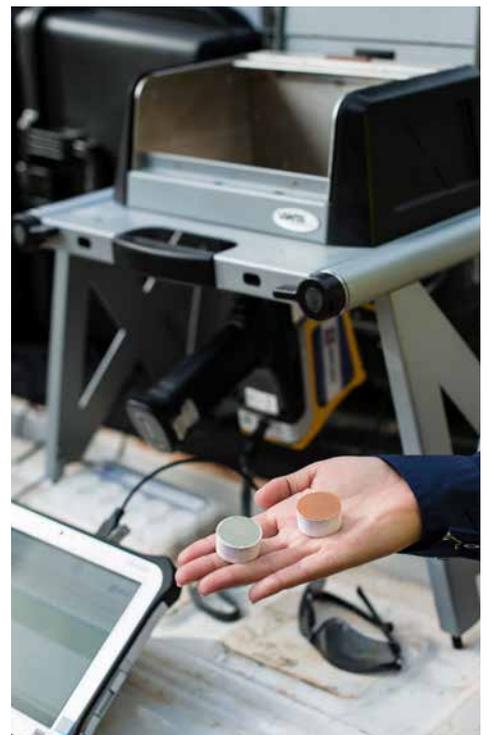


Real-time geoanalytical decisions

This rapid mobile sample preparation system, with its optimised workflow, consistently provides a quality sample for analysis that you can rely on, without having to send the sample offsite. The REFLEX PRESS™ coupled with the REFLEX XRF™ and REFLEX CONNECT™ solution delivers near real-time, consistent and quality multi-element data from geological samples. QA/QC rules are built into the data collection routine to allow validation at point of collection, with remote monitoring and sign off through the IMDEXHUB-IQ™. Seamless delivery of data to IMDEX's ioGAS™ allows rapid analysis of the results supporting close to real-time decisions that can be trusted.

A consistent workflow, quality data, reliable decisions

The In-Field Geoanalysis solution is flexible, configurable and able to support your workflows and decision making needs. You can be confident in your decisions using our technology, providing consistent sample preparation, quality analysis and tools to support data analysis. With IMDEXHUB-IQ™ at the heart of the solution, you have the technologies to manage the process from the office or the field.



Driller Operable Geophysics

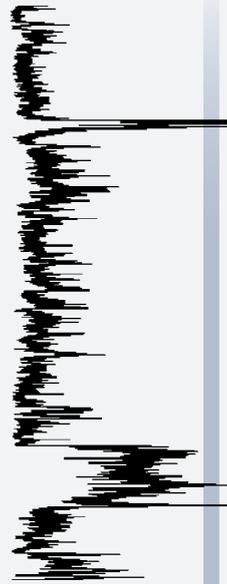
Geological logging can be qualitative, slow and subjective, sometimes with little support for the first pass assessment of drilling material. Imagine knowing where your critical lithological boundaries before the first time you see the rocks?

Using our end-to-end Driller Operable Geophysics solution, gamma logs can be interpreted in near real-time, even before the core has left the rig.

On site, the REFLEX GYRO GAMMA SHUTTLE™ allows efficient and simultaneous survey and gamma logging, completed by a member of the drill crew. This unique combination of instruments saves time and eliminates the need for a costly technician together with logging truck on site.

Results are available for approval immediately via IMDEXHUB-IQ™, so geologists can review the data before the rig moves on and without the risk of hole collapse.

Synchronisation with ioGAS™ allows geoscientists to visualise critical lithological boundaries using the automated wavelet tessellation function, as well as determine potential areas of alteration and cross correlation between drillholes.



Research & Development

At IMDEX, we are committed to ongoing research and development to maintain and enhance our technical leadership in our chosen fields.

Our company currently employs a high proportion of engineers, geoscientists, industrial chemists and data scientists working on R&D and ongoing product development. Our principal R&D laboratories for fluids, instruments and data systems are in Balcatta (Western Australia), San Luis Obispo (California), and Iford (UK). Additional equipment engineering resources operate in Rastede (Germany).





Supply Chain & Logistics

At IMDEX we understand the global logistical challenges of the drilling and mining industries.

We have established a global footprint with operations in all the key mining regions of the world. We endeavour to be wherever our clients are. We also understand that security of supply is critical to our clients – no matter how remote the job site. We are committed to meeting your requirements in all locations. Wherever you are, we are too.

We own and operate manufacturing and repair facilities in all key regions for our AMC and REFLEX brands. Our facilities use state-of-the art equipment, quality materials and enable us to control supply chain and quality to the highest standards to support our clients operations.

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