

Dynamic Modeling

Data Management and Reporting

Dynamic Modeling: Tools

Dynamic Modeling is an essential tool for decision-making, scenario planning, and risk assessment in complex systems.



VBKOM uses Quickbase, a cloud-based platform, to develop solutions for our clients.

We have used Quickbase to roll out bespoke solutions for mining clients to solve their custom problems ranging from mining tonnage tracking, asset registers, geological drilling log information management, and many more.

VBKOM also uses Quickbase to track and manage resources within our own business since 2012.

It has the same ease of use as Excel, but adds workflow, data relationship management, data integrity, form setup, user access control, data security, standard reporting, dashboards and standard integration with PowerBI as reporting tool on a cloud-based platform accessible anywhere internet is available.

For more information please follow the next link or look at the product overview abstract from the Quickbase website.

<https://www.quickbase.com>

Platform View

Quickbase, the first platform for dynamic work, brings all your information together in one, centralized place. Now, success is simple.

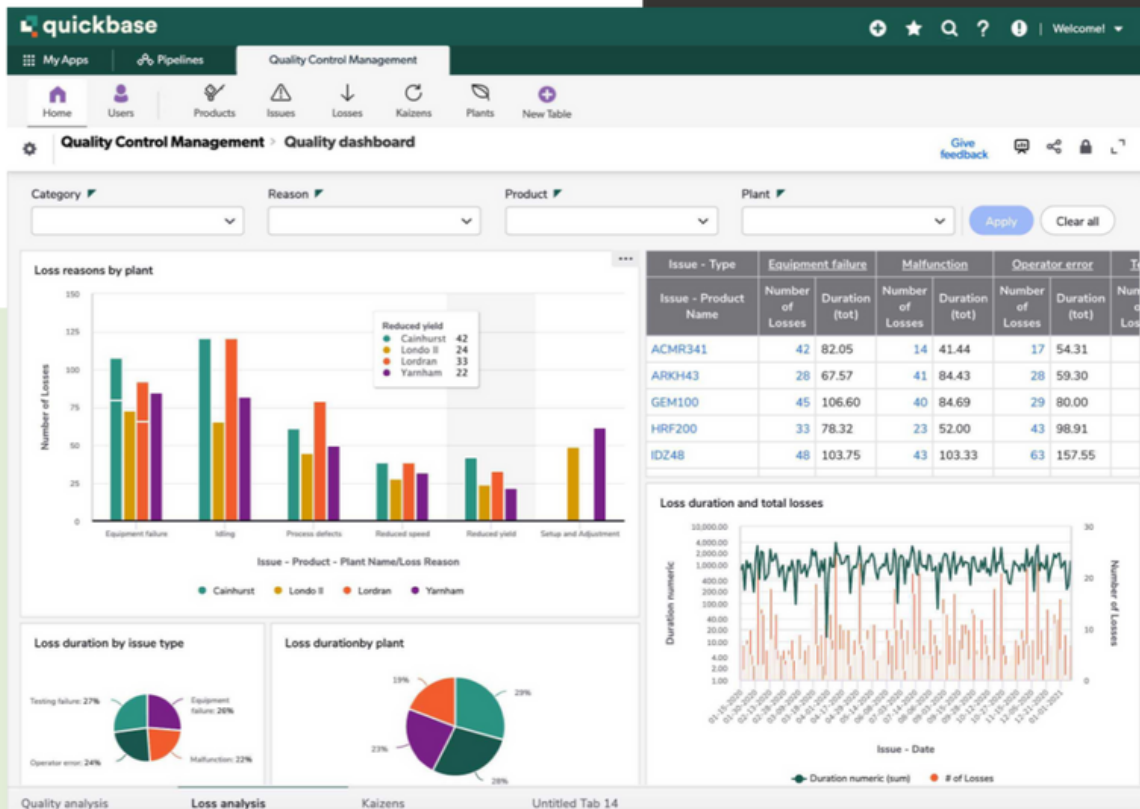


Figure 1: Quickbase platform view

Features includes:

	Team	Business	Enterprise
No Code Creator and Insights			
Custom Business Applications ⓘ	✓	✓	✓
Library of Starter Apps ⓘ	✓	✓	✓
Quickbase Mobile App	✓	✓	✓
Quickbase Mobile Offline	—	✓	✓
Sandbox ⓘ	—	✓	✓
Custom Company Branding ⓘ	—	✓	✓
Gantt Plugin ⓘ	—	✓	✓
Connections			
Workflow Automations ⓘ	✓	✓	✓
On-Premises Connectivity ⓘ	—	—	✓
Application Webhooks ⓘ	✓	✓	✓
RESTful APIs ⓘ	✓	✓	✓
Communication and File Management Integration Channels ⓘ	✓	✓	✓
Point Solution and Workflow Enhancement Channels ⓘ	—	✓	✓
Enterprise System Integration Channels ⓘ	—	—	✓
Connections			
Workflow Automations ⓘ	✓	✓	✓
On-Premises Connectivity ⓘ	—	—	✓
Application Webhooks ⓘ	✓	✓	✓
RESTful APIs ⓘ	✓	✓	✓
Communication and File Management Integration Channels ⓘ	✓	✓	✓
Point Solution and Workflow Enhancement Channels ⓘ	—	✓	✓
Enterprise System Integration Channels ⓘ	—	—	✓

Figure 1: Quickbase features overview

Gain end-to-end visibility

When you can see all aspects of your projects in one place, it's easier to anticipate roadblocks and keep your complex, high-stakes initiatives on track.

Quickbase helps your team mitigate risk, reduce waste, and cut down on unexpected costs by connecting your existing systems with key contributors. With automated workflows and granular permissions, the right people will have access to the right information every time.

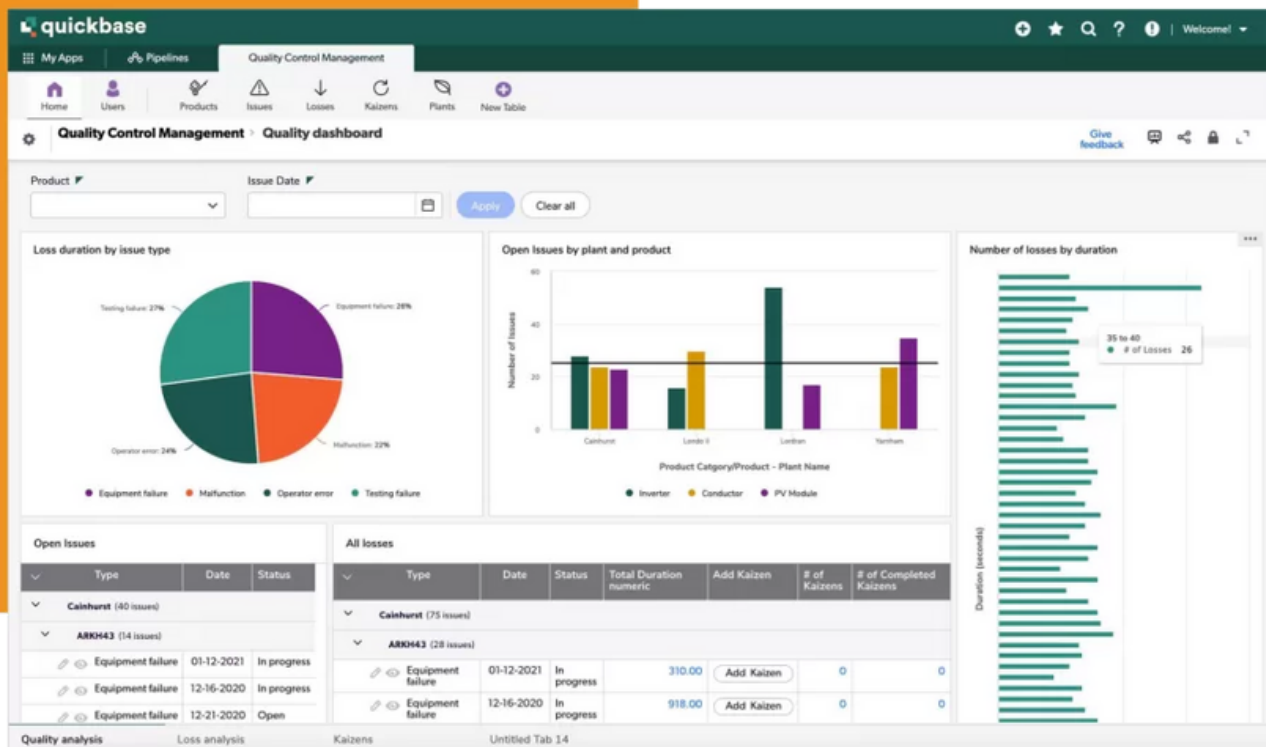
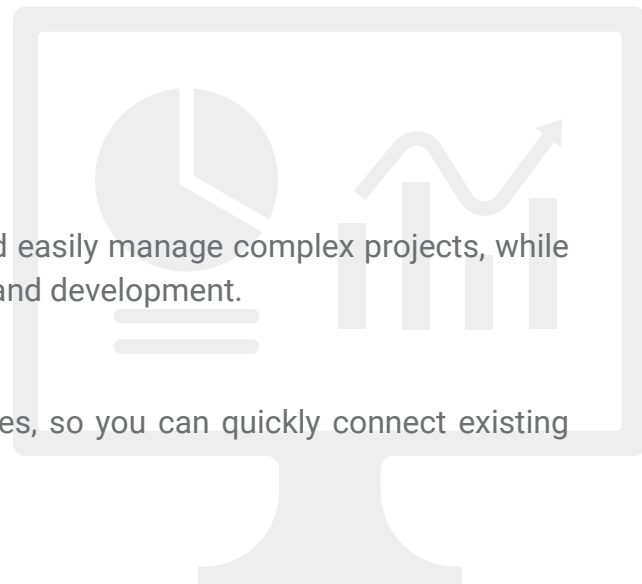


Figure 3: Quickbase platform dashboard view



No-code development

With no-code app development, your team can quickly and easily manage complex projects, while avoiding the cost of traditional deployment, maintenance, and development.

Automated workflows

Quickbase integrates your existing systems using Pipelines, so you can quickly connect existing data and avoid duplicating efforts across your teams.

Continuous deployment

With Sandbox capabilities, you can push application changes with no downtime — allowing you to update an app, transform data, or change schema without taking your application offline.

Extend data & processes from core business systems

It's difficult to get business data into the hands of those who need it most. Legacy systems can be too fragile to work with or too costly to customize.

With Quickbase, your teams can continuously improve their most complex business applications, without the cost of traditional development, maintenance, or deployment.

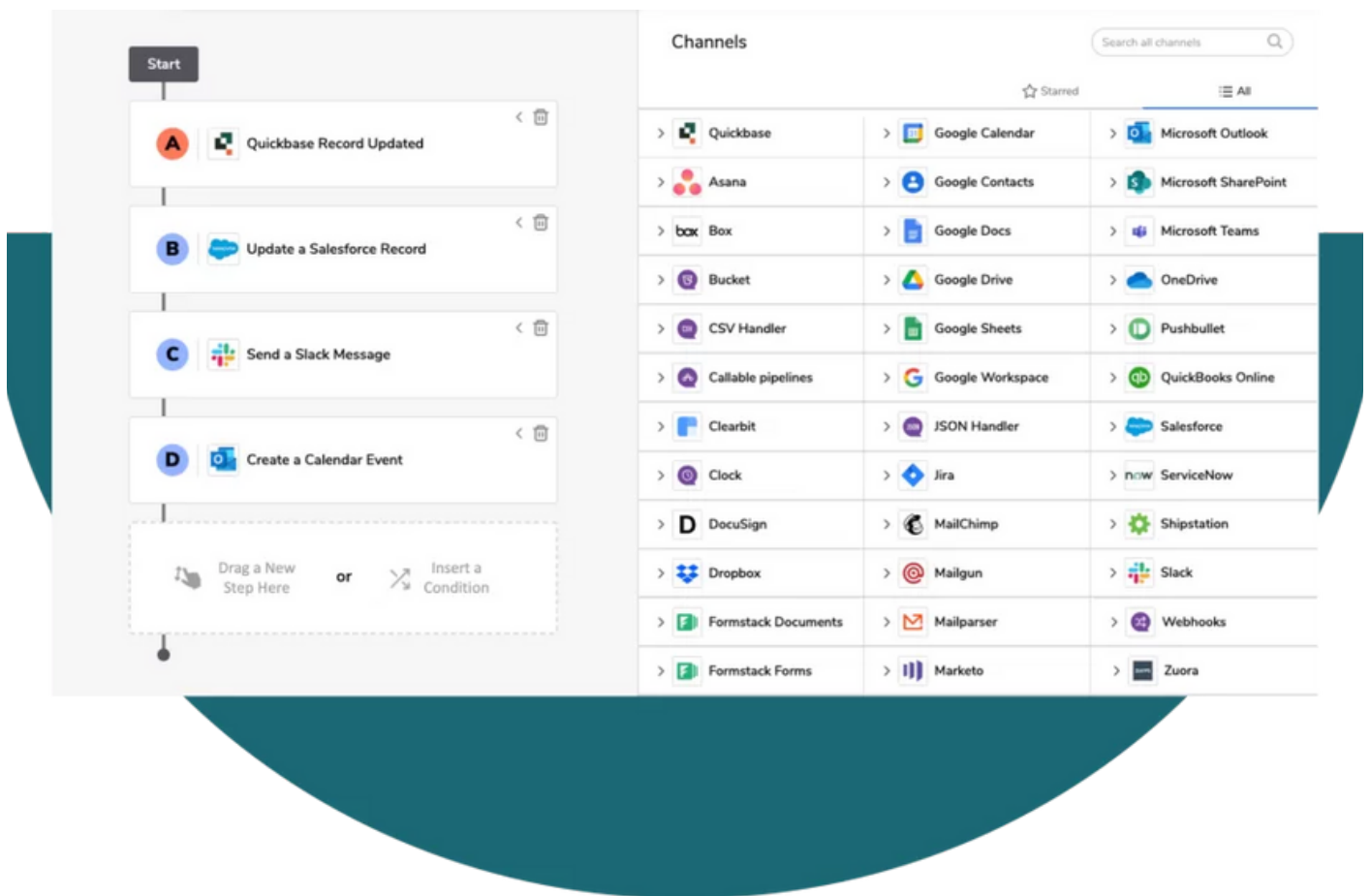
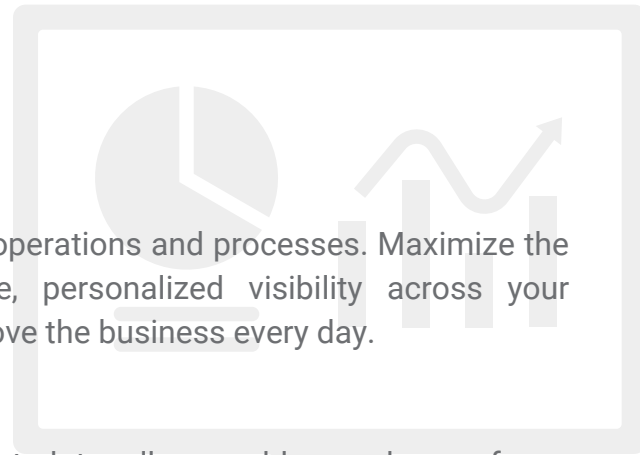


Figure 4: Quickbase overview of integration with other channels



Make informed, dynamic decisions

Get real-time, actionable insights into your team's unique operations and processes. Maximize the effectiveness of every employee and provide real-time, personalized visibility across your operations so everyone has the insights they need to improve the business every day.

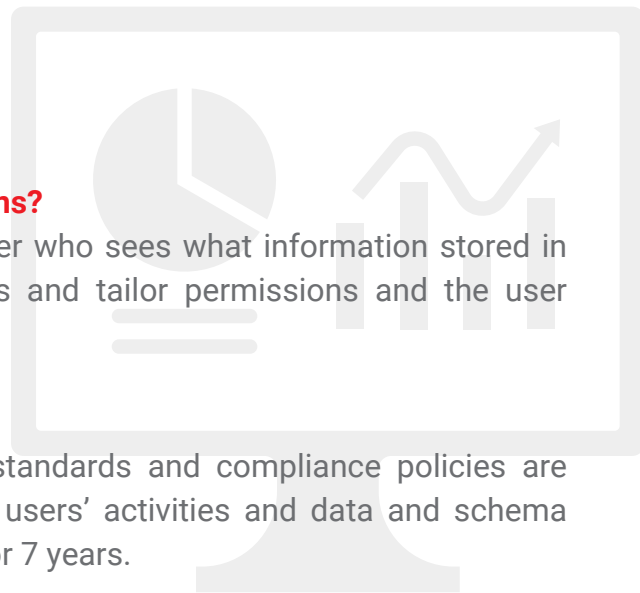
Quickbase & No-Code Development

Quickbase is an application development platform created to allow problem solvers of any technical background to create solutions to modernize complex workflows. Quickbase helps businesses accelerate the continuous innovation of unique processes by enabling secured, controlled citizen development at scale, governed by IT, across one common platform. Quickbase is designed to unite business and IT teams by enabling them to work together on a platform that IT controls and governs while its offloads development to business technologists. From a development perspective, the platform supports both low-code and no-code development, depending on the audience and skillset.

No-code is a modern, agile way of building business applications with graphical user interfaces and configurations instead of traditional coding. Regardless of your industry or use case, our no-code approach is to enable people who can't write code and don't have a background in software development to build powerful solutions for complex processes and projects. Quickbase supports the democratization of application development through no-code, by making application development more accessible to those at the edge of the business who know the requirements and needs best.

For experienced and professional developers, Quickbase offers advanced development capabilities that fall under the low-code category. IT teams are able to extend the platform through advanced actions such as using code pages and integration through API. Developers find faster time to value and increased productivity using the graphical UIs and app configurations, but are not limited in valuable advanced functionality.

Regardless of technical background, Quickbase empowers those closest to the business problem to quickly turn ideas for improvement into solutions.



Does Quickbase give me control over roles and permissions?

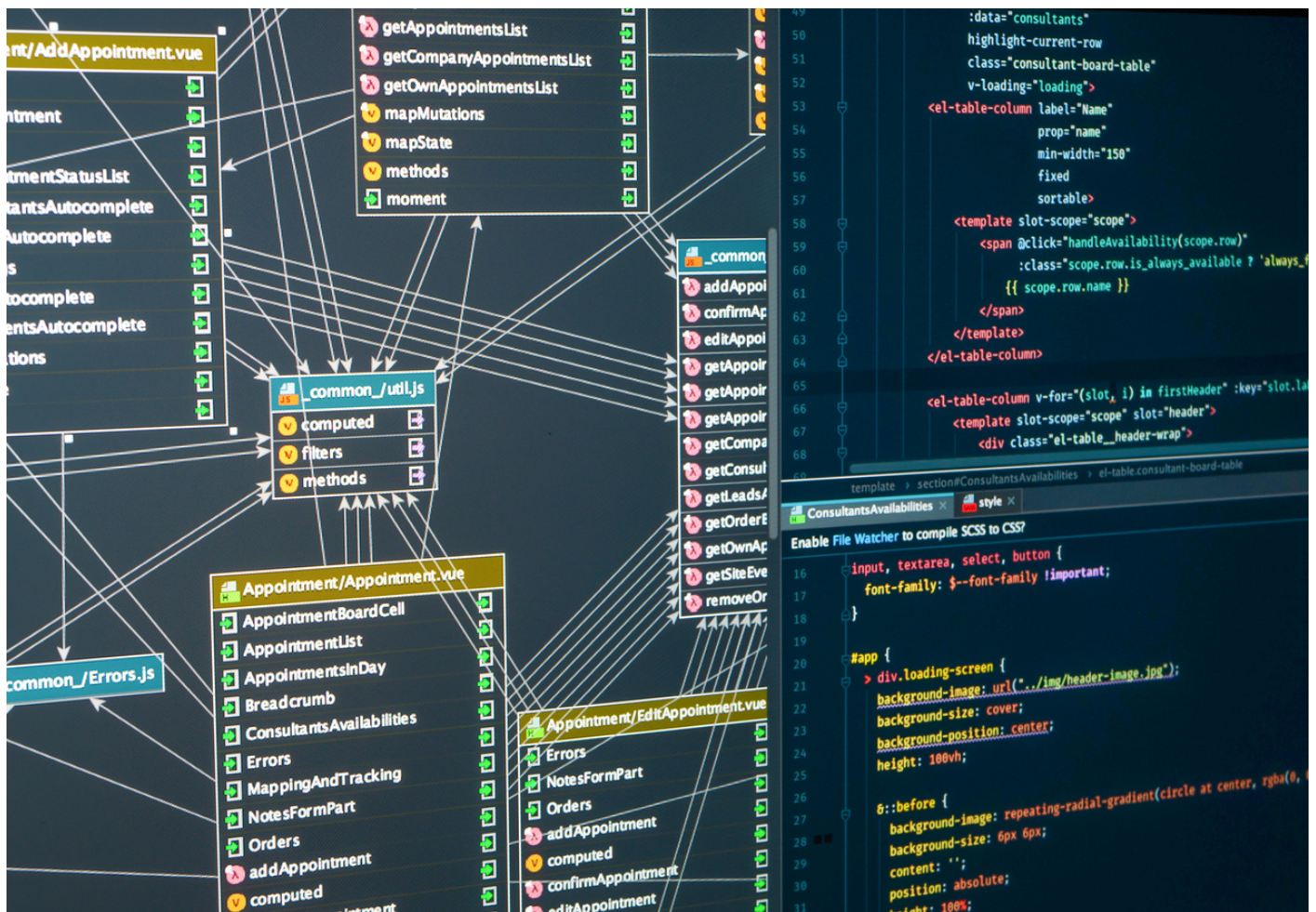
Yes. App builders and administrators have full control over who sees what information stored in Quickbase. Use predefined roles or create custom roles and tailor permissions and the user interface by role, down to the field level.

Does Quickbase have audit logs?

Yes — with Quickbase, you can be sure your security standards and compliance policies are upheld. Quickbase logs and provides audit reporting for users' activities and data and schema changes. Choose to store audit logs for 6 months, or 1, 3, or 7 years.

Does Quickbase support Application Lifecycle Management (ALM)?

Absolutely. Sandbox capabilities allow application developers, business stakeholders, and IT teams to collaborate and implement change management controls for regulated or complex business mission-critical apps. Develop, change and verify applications in a controlled and protected environment, before releasing them to the larger user base.



Our Value Proposition

VBKOM is a provider of innovative business and technical consulting services and solutions for the mining and capital-intensive industries throughout Africa. We challenge ourselves to apply fresh thinking and to utilise our experience and technology in pioneering new ways to deliver forward-thinking solutions.

Due to VBKOM's diverse pool of expertise, we can offer our clients specialised skills within a one-stop-shop culture. Our engineering, risk, and project management capabilities as well as simulation and decision support expertise, make us an ideal partner to the mining, petrochemical, agricultural, and construction industries.

Our focus on long-term client relationships, combined with our technical skills, ensures that our clients can fully optimise their value chain.

At VBKOM, the quality of our work is guided by a simple philosophy – our success is driven only by the success of our clients and the achievement of our professionals. By using cutting-edge technology and the most advanced computer modelling systems on the market, our technical expertise comes unrivalled. Our capacity and continuity have earned us the trust of some of the world's most prestigious mineral resource companies. Staying true to our core values; utilizing our vast project-specific experience and qualifications; and applying proven world-class methodologies and processes, makes the VBKOM team a dynamic, flexible and innovative team with a track record standing as solid proof of our competitive edge in our field.

VBKOM employees have been successful in providing solutions of an independent nature to a range of clients in the mining industry. Our consultants have developed a good understanding of the needs and opportunities of both open pit and underground studies and operations, and we look forward to adding value to your company. We believe that independent consultants can provide optimal solutions to the Client without any risk of providing a solution with an inherent conflict of interest. The VBKOM strategy is to form part of the owner's team, to define and protect the owner's interest within our area of influence and control. VBKOM is committed to adding value to each client through innovative, practical, and trustworthy engineering solutions.

Please visit our sites to find out more:

VBKOM website and our social media channels:



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