

# Conten



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Project development: timing is everything

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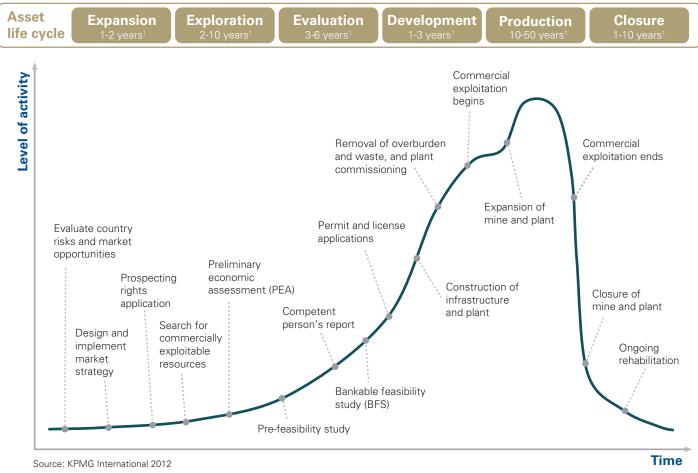
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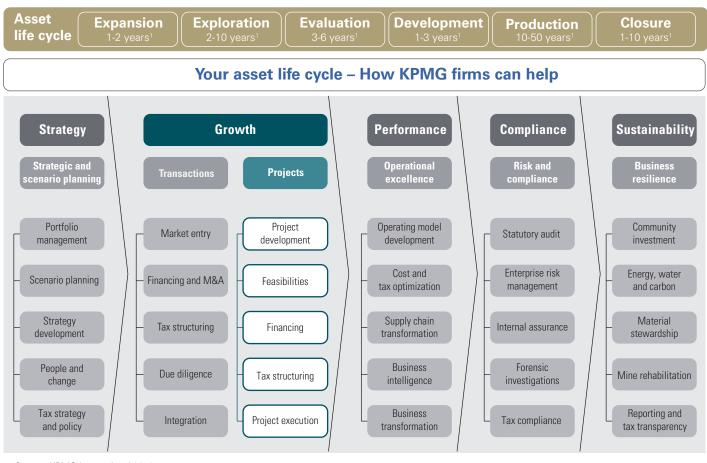
Tax structuring: optimizing mining projects

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### Mining asset life cycle



### **KPMG's** mining growth service offerings



Source: KPMG International 2012

Note: 1. Estimated duration of stage in the mining asset life cycle



# Introduction

In a tough economic environment, with many existing mines already exploited, companies are looking to invest in and develop projects that bring greater shareholder value.

Major projects are complex and time-consuming, and success or failure is often determined by the degree to which they are aligned with company operations and strategy.

In this paper, we consider the issues facing mining companies wishing to develop new mines or expand existing ones. If you would like to discuss any of these topics in greater detail, please contact one of our global specialists, or your local KPMG advisor, whose names are listed at the end of this document.

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# **Mining Centers**

KPMG member firms offer global connectivity through our 14 dedicated Mining Centers in key locations around the world. By working together seamlessly, we help clients adapt and respond to a rapidly evolving mining environment.

Our centers are located in or near areas with high levels of mining activity: Beijing, Brisbane, Denver, Johannesburg, London, Melbourne, Moscow, Mumbai, Perth, Rio de Janeiro, Santiago, Singapore, Toronto and Vancouver.

Each center is composed of professionals with extensive practical experience in the mining industry, who work together to share information, thought leadership, training and support. As a client, you get access to the latest industry thinking, skills, resources and technical development,

from a team that has local knowledge backed up by in-depth global expertise. We are continually building our understanding of global trends and developments by sharing observations and insights that are passed onto you, the client.



# Project development: timing is everything

With each day of development consuming vast amounts of expenditure, owners need to maintain a fast pace throughout the project and keep their human and physical resources fully productive. Changes to plans are unavoidable, but additional costs can be minimized through effective management decision-making and strong contract management.

Few mining companies possess either the engineering strength or the will to build a mine completely independently. The 'engineer, procure, construct' (EPC) model is an increasingly popular approach to oil, gas and infrastructure development, with full responsibility passed to a single, large contractor, who charges a premium for assuming the risk. This approach is attractive to financiers, who are reassured that the development is in the hands of a large,

reputable organization. However, EPC gives the project owner less influence over standards, and with contractors struggling to find sufficient skilled people, engineering and construction quality can suffer.

An alternative is to use 'engineer, procure, construct and manage' (EPCM), which involves contractors designing and managing the project, while the owner chooses a range of



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other contractors (or in some cases in-house teams) to carry out various elements of the building work, thus retaining more control. 'Early contractor engagement' is a further option, with a number of contractors engaged to undertake design, and one eventually chosen for the build phase, although this can prove more costly as the contractor must be paid in the initial stages.

Regardless of the type of contractor arrangement, once the development begins, the clock is ticking – in some cases to the tune of millions of dollars a day – making delays the biggest enemy. Project managers have to cope with incredible levels of complexity and scale, with thousands of workers across multiple sites that may be hundreds of kilometers apart. Every detail must be attended to, including building power stations, water lines, transport connections and accommodation, clearing the ground and arranging

catering, as well as smaller yet important details such as TV quality and reliable broadband connections. Cultural sensitivities are also becoming more important; for example, in Australia, construction cannot start before a comprehensive survey of heritage sites, which can take a year or longer.

Even the best prepared projects will inevitably require changes along the way, due to engineering or environmental issues, or because contractors experience financial difficulties. The way in which these changes are handled can make an enormous difference to the bottom line. Fast decision-making is essential to keep construction on schedule. This calls for a swift flow of accurate information to management via reliable processes and systems. Despite the need for speed, owners must remain rational and not give way on every requested change, as this may push costs up to an unsustainable level.

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#### Managing commercial terms and cash flow

Where work deviates from the initial contract, the owner will be keen to avoid any slowdown while the contract is amended (this can take up to 6 months). You may have no choice but to pay the contractor based upon a rough estimate of the additional costs. If retrospective analysis shows that this compensation has been too high, the owner then has the hassle of trying to reclaim the overspend. The alternative is to hold back from paying until the new contract is ready; a risky tactic that could lead to a contractor threatening to walk off the project.

Most mining companies agree to some form of 'take and pay' arrangement with

their customers or major suppliers (e.g. for transportation and/or utilities), which activates as soon as the mine is considered operational. Having been paying out billions of dollars over the development period, owners will want to start earning revenue, so they must confirm that the site is in production. This is harder than it sounds and typically requires certification from government, regulators or bank inspectors, to meet performance guarantees over the level of output. Again, time is of the essence and holdups can eventually lead to cash flow shortages and, at worst, a default on loans.

#### Helping you survive in the fast lane

Moving from feasibility to development involves a big change of pace in activity and considerably higher costs. Having worked on a wide range of projects around the world, KPMG's construction and engineering specialists help clients cope with the new pressures of construction. We can evaluate potential contractors by carrying out a form of

due diligence on their competence, capacity and financial stability. Our forensics experts also act as 'contract doctors,' to adapt to changes in scope and validate and enforce agreements, to avoid disruptions to progress and optimize payments to suppliers and from customers.





#### **Case study**

# From nowhere to somewhere: Building a megaproject in the Gobi Desert

Deep in the Gobi Desert,
Mongolia, one of the world's
most remarkable mining plays is
nearing completion. The project
is remarkable not only because of
its size – it is expected to account
for 30 percent of Mongolia's
gross domestic product (GDP)
once completed – but because
of its rapid development, with
just 10 years between the
discovery of the deposit and
the commencement of work.

This project truly demonstrates the importance of project development expertise, including creating a specific strategy and plan; undertaking strong feasibility studies; identifying financing and infrastructure needs; making a strong project plan with timelines and responsibilities, as well as clear stakeholder engagement plans; and planning for tax and other compliance obligations.



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# Feasibility studies: digging dee Easibility studies:



**By Augusto Patmore**Partner, Global Infrastructure Advisory
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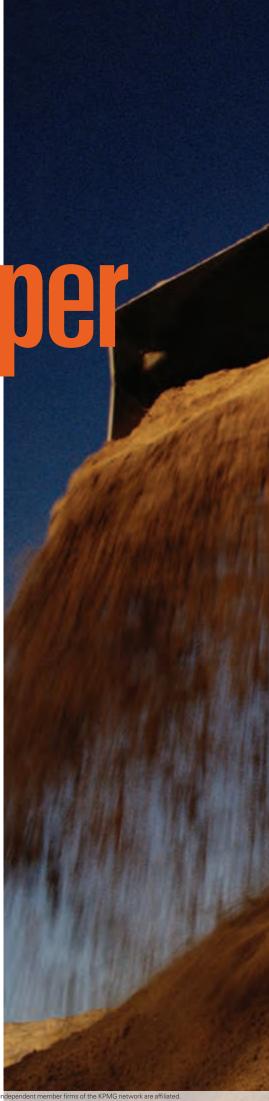
As demand for resources intensifies, a feasibility study has to show that the owners can create the right conditions for a successful project. This calls for a much wider range of skills and an unprecedented depth of analysis that covers the full financial, operational, legal, regulatory and logistical aspects of the project.

Feasibility studies have traditionally focused on geology and engineering, to determine the volume, nature and quality of the mineral, the best way to extract it and the appropriate equipment needed. It was generally assumed that there would be an accessible supply of people and machinery, and that transport, energy and permits would be readily available.

However, with fierce competition for every type of resource, those asked to fund a project are demanding far more information about the entire operations of the mine and the capability of the owner to deliver the project. They want to know how a project can attract and retain labor and talent ahead of

competitors, and require assurance that both the owners' and suppliers' employees will be recruited, transported and accommodated. Financiers will also ask how equipment is to be sourced (including alignment to any financing arrangement such as tied export credit agency deals), procured and maintained, and how the project will secure a delivery slot in, sometimes, crowded production queues.

Regulatory approval has become a major issue, and more than one high-profile project has failed to get off the ground due to delayed or denied permits, in some cases costing the owners hundreds of millions of dollars.





Today, the project executive is also expected to possess a sound knowledge of finance and debt structuring, commerce, logistics, local and national laws, as well as the political and regulatory environment.

Mining companies are also competing for scarce infrastructure for supply of energy, water and transportation of materials; lack of any of these factors could threaten a project's viability.

With the vast majority of operating costs effectively locked in within the first 5-10 percent of the life cycle, picking the right project in the right location is vital. In the past, an executive leading a feasibility study might have asked for input from a geologist, a mining engineer, a metallurgist and a construction specialist. Today, the project executive is also expected to possess a sound knowledge of finance and debt structuring, commerce, logistics, local and national laws, as well as the political and regulatory environment.

To satisfy the scrutiny of the financiers, feasibility studies have become incredibly complex, including design and construction, technical analysis and due diligence, with contingency planning for delays caused by scope changes, logistics failures or industrial disputes. Cost estimates, financial modeling and projected cash flows have to be robust and credible, which calls for an

understanding of risk and the potential for cost escalations.

The plan needs to detail the financial structuring of the project (which often involves dealing with multiple financiers), as well as the steps required to achieve regulatory approval and a 'social' license to operate from the local community. It must also contain a commercial and legal framework (such as a 'take-or-pay' arrangement) for those infrastructure components that will add value and secure income.

In tight financial times, infrastructure cannot be simply bought and then discarded, so the feasibility study should consider its post-construction uses. Considerable cost savings are possible if the equipment can be made available to multiple users, leased out, or sold and leased back, so the study should detail potential lessees or buyers and the prices they may pay.

Finally, external stakeholders are scrutinizing the capability of the project owners, and are particularly concerned about their ability to manage internal organizational development and growth, to successfully deliver the project and transition into the operational phase.

#### Thinking smarter not bigger

With much of the easier pickings already mined, the grade of ore is declining worldwide. Whereas a decade ago a ton of gold ore would give 7 grams of gold, today the figure is closer to five. All this calls for bigger mills to crush the rock, more trucks to move it, more water, more electricity and more workers – with a resulting rise in costs.

The emergence of techniques such as CRC ORE's Grade Engineering™ offers a way to cut project capital costs, by

combining more sophisticated analysis of the rock mechanics, specialist blasting techniques and rigorous operations management to improve the average grade of material mined. However, all new methods carry a greater risk, so the feasibility study should weigh up the pros and cons and assess predicted cost-benefits, as well as confirm whether the company can maintain operational discipline and access sufficient people with appropriate technical knowledge.



#### **Government engagement**

Large mining projects often require significant mine and infrastructure investment to support the development, with government approvals playing a critical role. The way in which a company engages with and involves the government can have a big influence on the success of the project. When developing investment plans, it is vital to work directly with the government to ensure expectations are managed and aligned, to demonstrate that domestic considerations are properly addressed.



## Going head-to-head with the competition

With a multidisciplinary network of specialists, KPMG member firms have the breadth of skills to address all the challenges within today's demanding feasibility studies. We also have the experience of working on multi-billion dollar projects and can help with overall strategy, financials, licensing, and resource and logistics planning. Our teams can show member firm clients how their study matches up to the competition, to increase the chances of gaining the appropriate funding, resources and approvals for major mining projects.

# Project financing: right time, right investor



The choice and range of equity and debt instruments can make or break a mining project, so owners should be aware of the risks related to each type of financing structure. To compete for funding in a global marketplace, mining companies need to attract the most appropriate partners for each stage of their corporate and project development.

In a volatile commodity market, where prices can change significantly over a relatively short period, investors are seeking some assurance that a project will remain profitable. A comprehensive, in-depth feasibility study can go a long way to meeting such demands, showing sufficient levels of drilling, sound geotechnical reports, a strong infrastructure solution, access to resources and accurate financial models.

The quality of the management team is another crucial factor in attracting interest – demonstrating a track record of having brought mining projects into production as per the announced timetable and under budget is key for a successful fund raising.

A company's position in the mining life cycle frequently determines which type of investor is likely to be involved. In the early stages, the founder typically funds much of the activity to acquire an exploration license and carry out geological studies. As the project progresses, specialist mining funds and investors start to show an interest in an equity investment for the company to complete pre-feasibility and feasibility studies. As the owner approaches mine construction, a much broader range of financial institutions will get involved with more equity financing as well as loans, once they have seen evidence of a robust potential forecasted cash flow in the near future.

Understandably, risks are higher during the earlier phases of the project, with investors expecting a more generous compensation structure, given that millions of dollars spent on exploration and drilling could potentially reveal nothing of substance on the site.



**By Rama Ayman**Global Head of
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Political, regulatory, environmental and fraud risks differ. Depending on the jurisdiction, along with access to human and physical resources as well as adequate infrastructure; some countries also have tough environmental planning laws. All these factors will impact future cash flows and would be reflected in the valuation of the project, and will subsequently dictate the terms that investors will demand for providing the funding.

Since the financial crisis, debt financing has become more challenging for more junior mining companies – banks have become more conservative and are demanding more equity for projects, requiring debt/equity ratios of 50:50 or more, forcing owners to work harder to bring in additional equity investors.



#### Stepping through the minefield

With their substantial infrastructure requirements, larger projects for materials such as coking coal and iron ore require a huge investment, and owners may look for an equity partnership or joint venture to spread the risk. Strategic equity partners could include steel companies vertically integrating into raw materials, or trading houses looking for greater ownership of assets. 'Offtake' agreements are common, where a proportion of the product is delivered to the equity partner at a pre-determined pricing formula. These arrangements give more security of supply to the buyer and greater certainty of sales and cash flow to the mine owner, which makes them more attractive to banks and other investors.

All the parties in such a strategic equity partnership have an interest in both ownership and offtake, so are more likely to persevere with the project in the long term – this mutual winwin transaction structure can also bring more stability to the life of mine and its projected cash flows, thus facilitating the project financing.

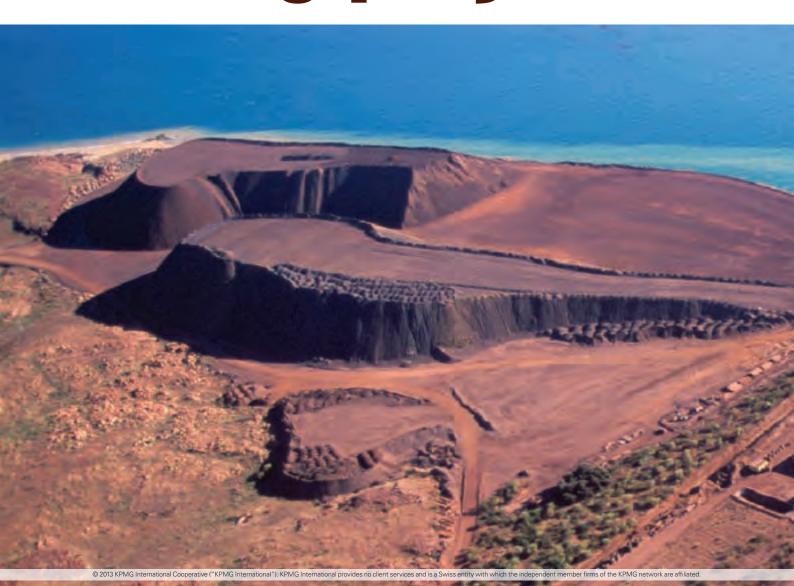
The timing of debt financing is critical. If the owner gets burdened with substantial debt too early, then any delay in the development of the mine could cause cash shortages that hinder the ability to repay a fixed cost. Some banks that eventually agree to provide funding at an earlier stage in the life cycle may also impose tougher terms such as higher interest rates or hedging of commodity prices. For example, if an owner agrees to a fixed commodity price in advance, then it could lose out if those prices rise significantly, or conversely, if the prices fall below their cash costs, the company may not meet its hedging or debt obligations.

#### **Connecting globally**

Mining has become a truly global industry, and a competent corporate finance advisor can connect the owner of the mining project(s) to the right investor(s) at the right time – anywhere in the world. KPMG has a very strong network of member firms in every continent, with excellent relationships with potential investors. We can help member firm

clients position themselves effectively, to attract interest through creating and managing a competitive and formal transactions process. Most importantly, we remain independent partners throughout the entire mining life cycle, offering tailored advice that includes the most appropriate funding solution, to help our firms' clients achieve their short- and long-term goals.

# Tax structuring: optimizing mining projects



Whether a mining project is large or small, early tax planning can optimize tax benefits, increase certainty over the tax burden, and create a flexible framework for developing the legal ownership structure, contractual arrangements and funding.



**By Rod Henderson**Global Mining
Leader – Taxation
KPMG in Australia

As mining companies adopt increasingly sophisticated structures spanning countries and regions, they are viewing project structuring across the entire

supply chain. The associated tax structuring should therefore be an integral part of the planning process throughout the mining project life cycle.

#### **Up front assurance over key tax inputs**

Right at the start, before any development work commences, project owners should be aware of the key tax rates and methodologies that will apply over the life of the mine. When combined with knowledge of global and in-country

tax policy, such understanding will ensure a realistic forecast and ultimately support the decision to mine.

Tax and resource royalty rates, as well as other tax rules, may change



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substantially over the project lifetime as governments come and go and new taxes are developed. Such variations may impact the overall return on investment, and in extreme cases create an element of uncertainty at the project planning and feasibility stage.

One way to hedge against such uncertainty is to negotiate with the authorities to agree to a fiscal stability agreement (FSA) that locks in a fixed royalty rate. A well-drafted FSA will also achieve greater assurance over income tax rates, debt/equity safe harbor levels, tax depreciation rates and new taxes.

Certain countries may also have bilateral investment treaties (BIT) that protect investments against expropriation or unfair treatment and create a level playing field. For mining investors from relevant treaty countries, a BIT offers access to international arbitration – a neutral forum for resolving disputes between foreign investors and the state.

By considering all these issues, owners can more reliably include important tax assumptions in the project feasibility financial model. Of the many factors that impact the forecasted after-tax project returns, the crucial tax inputs are the royalty rate and methodology (e.g. royalty or resource rent tax), the corporate income tax rate and the depreciation write-off rates. In some countries it is useful to confirm the recoverability of tax credits such as VAT.



#### **Case study**

# Resource nationalism sweeping the world

'Resource nationalism' is a creeping phenomenon as cashstrapped governments seek to maximize revenues from their natural resources, with royalties sometimes stretching to a double-digit percentage of sales income. These royalty rates are susceptible to sudden increases – particularly in less stable economies, or following national elections. Even developed countries such as Australia have raised resource royalties, as governments seek to offset lower tax revenues in the global downturn. In the most extreme cases, the entire assets of a mine have been seized with little or no prior warning. By keeping an up-to-date barometer of the political climate, mining companies can stay informed of any changes well in advance. By staying actively involved in the development of resource tax policy, companies can help shape resource regimes which strike a fair balance.



#### **Get the right structures in place**

Today's mining projects are so immense that even the largest companies may not have the capital, resources and expertise to go it alone. A popular holding structure for mining projects is an unincorporated joint venture (UJV), which enables two or more parties to directly hold a defined stake in the venture.

Part of the attractiveness of UJVs is the flexibility for participating companies to bring their own capital and resources, receive their own share of the mined ore independently and separately account for taxation. For example, in the early years, each party can independently utilize any start-up losses immediately against other tax positive projects, thus optimizing the tax burden.

Many mining companies bring their own capital to the project, so the UJV may require relatively little additional project finance. A UJV enables each party to easily repatriate cash and service its own financing obligations.

With an increased focus on supply chain efficiencies, more sophisticated structures are being developed to hold and operate large scale mining projects – from pit to port, and ultimately to the customer. These structures can span multiple countries, involve varying equity parties at different stages of the chain, and combine UJVs and traditional company structures.

Various tax planning issues will arise when shaping such structures – notably pricing. As the commodity moves through the supply chain, the appropriate pricing mechanism must be determined, because global transfer pricing rules require borders. Transfer pricing may help determine the appropriate value of the ore at the taxing point, to calculate resource royalty taxes based on the commodity value. Advanced pricing agreements provide additional certainty, by enabling the mining company to negotiate transfer pricing rates and methodologies with revenue authorities.

#### Tax incentives add value to a project

Tax concessions and incentives are often used to attract investment and encourage the development of mining projects. Incentives may be agreed up front at the early planning stages, to help support the project economics and the final decision to mine. Incentives are also commonly confirmed at a later stage to sweeten the project outcomes.

Key tax incentives include:

- resource royalty holidays or lower rates of corporate income tax; for example, as a reward for locating project components in special zones or regions
- research and development (R&D) concessions to provide additional tax deductions or cash grants, to encourage reward and innovation in the development or operation of elements of the project

- investment allowances that provide additional deductions for capital expenditure
- generous accelerated tax depreciation write-off rates (available in some countries); for example, over a 10-year period for a project life of 30 years or more, for the express purpose of attracting investment to large-scale resources projects
- exemption from customs duty (for some categories of imported equipment) for major projects
- global trader program incentives offering lower rates of tax, to encourage mining companies to locate a project's commodity marketing and trading activities in another country.

As favorable tax incentives can enhance project returns and accelerate cash flow, it is worth starting early to identify opportunities.



#### **Covering every angle**

KPMG member firms' tax specialists step inside our clients' shoes to address the commercial issues of a global mining operation. We are far more than just tax technicians and can get involved with every aspect of the project process, from feasibility studies, financial modeling and legal agreements, through to managing ongoing tax depreciation, tax incentives and royalty rates. We will even help you in your dialogue with governments and tax authorities, in order to keep abreast of emerging tax developments, agree upon taxation treatments and obtain greater certainty through advance pricing agreements. With extensive experience in energy and natural resources, our people understand the big issues facing mining companies and work with their clients globally over the full project life cycle.

#### **Case study**

#### Projects – Managing a global workforce

Large mining projects need a large work force, generally with specialized capabilities, which may need to be sourced from overseas. In bringing overseas employees to a project the visa, migration and employee/ employer tax implications should be carefully considered. Accurate assignment cost projections should be performed to budget appropriately. Project cost centers may need to be left open following completion of the project as tax-related costs for assignees may lag completion of the project. Global mobility policies and processes may need to be implemented to ensure employees are treated consistently and fairly in accordance with company policies and local regulations.





The sheer scale of many mining projects means that any problems or delays have an enormous financial impact, leading to rising implementation costs and lost revenue streams from delays in completion. Only through excellent program and project management and strong, effective controls, can project owners manage the execution of the many activities involved in a mine creation or expansion program, to ensure timely execution within agreed budgets and timescales. In expanding or developing a mine, owners need to oversee a complex program of interdependent projects, including process plants, transport infrastructure, port construction and direct, mine-related infrastructure. Even securing utilities in remote locations may demand complex engineering feats.

In scheduling such programs, the timing and interdependencies within each stage are critical. Mines are often in distant, inaccessible places, so the transport infrastructure has to be ready before construction can begin, which may require environmental or other licenses from local or national government. In some countries, mining companies have to deploy a minimum quota of domestic labor and locally sourced materials. This can create difficulties if the local workers lack skills and experience or are not living close to the site. If the appropriate human and physical resources are not available to a sufficient degree locally, then the project owner will need to seek permission to source from further afield and have a clear plan for such a contingency. A resource schedule should outline the key steps, along with their sequence, interdependence and expected duration. In evaluating the risks of resource shortfalls and excessive costs. the program manager should be aware of the relative 'maturity' of the plans and the consequences of any problems.

With commodity prices falling, cost control is a particularly high priority. Baseline budgets need to demonstrate a sound understanding of each stage of the execution, and as the project evolves, all expenditure should be overseen, with close measurement and monitoring of progress against schedule. Even the best-planned projects will encounter changes, and change management process can quickly identify any variation and the subsequent impact on schedule, cost and overall risk level. Armed with this information, the owners can agree on any necessary changes.

Project managers also need to provide an adequate process for identifying key risks, with steps to address any problems, and responsibilities allocated. Risk should be continually monitored, to enable adequate (but not excessive) financial provision within the budget. With an effective risk management process, everyone involved is aware of all the potentially significant issues problems, can assess the probability of such risks occurring, and has a preprepared (and budgeted) plan of action should the worst happen; this could involve vital transport or environmental permits being denied, delays in longlead time plant or currency fluctuations affecting critical financial assumptions.

Fraud, bribery and corruption risks are a particular concern in some regions, and mining companies should address such risks, and ensure that all staff, contractors, agents and suppliers fully understand and adhere to appropriate standards of behavior. Any deviation from policy further up the supply chain can have a devastating impact upon the corporate reputation.

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#### **Knowledge** is power

Executives responsible for executing major projects – as well as their boards and audit committees – require assurance that implementation is in line with defined governance structures and processes or, in the absence of such controls, at least in accordance with good practice. Effective controls and monitoring tools will provide an 'early warning' of a significant issue such as a project going off schedule or over

budget. Boards and audit committees want to hear at the earliest possible stage about any significant problems, in order to decide upon appropriate intervention, while project managers need early visibility, in order to respond swiftly to more routine issues, by deploying well-prepared contingency plans. In practice, however, relatively few mining companies have such safeguards in place.

A strong project reporting system depends upon good lines of communication, as well as reliable, upto-date data. Such information needs to flow from the project on a timely basis, to enable monitoring and early warning systems to operate effectively. This should help avoid the chance of being caught off guard and suffering expensive and damaging delays.



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#### **Mastering complexity**

KPMG's program and project
management and assurance
professionals work with some of the
world's biggest names in global mining,
as well as in other parts of the energy
and natural resources sector. We have
learned what works – and what does
not – and can scrutinize clients' internal
processes and controls, and help create
a culture where everyone recognizes

the responsibility to monitor and report accurate information on time, to enable prompt and appropriate decision-making. Our clients gain a better understanding of the risks facing their projects and the subsequent impact upon timeline and costs, and can create strong plans for dealing with incidents, to minimize delays and keep within budget.



## KPMG mining project services across the mining asset life cycle

**Strategy** 

**Growth – Transactions** 

Growth – Projects

**Performance** 

Compliance

Sustainability

Projects mining asset life cycle						
	Expansion	Exploration	Evaluation	Development	Production	Closure
	1-2 years	2-10 years	3-6 years	1-3 years	10-50 years	1-10 years
PROJECT DEVELOPMENT	Assessment of economic and political risk     Local knowledge and contacts     Executive 'meet and greet' service     Stakeholder and network development     Engineering and environmental assessments     Approvals by government, regulators and other industry bodies	Search for commercially exploitable resources     Preliminary economic assessment (PEA)	Operational model, including EPCM or other contractor arrangements     Cultural sensitivities     Payment and compensation arrangements	Life of mine plan     Capital cost management	Cost and margin optimization	Decommissioning and rehabilitation processes and procedures     Sustainability review and evaluations of plans
FEASIBILITIES	Geological assessments Regulatory approvals  Assess expertise and technical needs Identify the machinery and equipment needed Financial structuring and funding, debt and equity Supply chain and infrastructure assessments and identification	<ul> <li>Financial modeling</li> <li>Energy, water and carbon intensity</li> <li>Infrastructure requirement evaluation</li> <li>Valuation of resources</li> </ul>	Feasibility study completion and review     Infrastructure requirements and investment identification			
FINANCING	Project structure, e.g. partnership, joint venture     Marketing and sales structure, contracts and forecasts		Availability     of financing,     including debt     and equity     financing advice	Negotiate     with investors,     off-take and     strategic     partners		Due diligence of disposal/salvage values
TAX STRUCTURING	Market entry tax study     Tax policy engagement with government	<ul><li>Tax planning and modeling</li><li>Tax incentives</li></ul>	Tax structuring and advice Financial stability agreements or similar Bilateral investment treaties (BIT)	Contract reviews     Employee taxes     Tax asset register	<ul> <li>Tax optimization</li> <li>Repatriation tax advice</li> <li>Royalty compliance</li> </ul>	Tax implications of asset closure/sale
PROJECT EXECUTION	<ul> <li>Project monitoring and assessments, including expenditure</li> <li>Procurement strategy</li> <li>Risk management, including fraud and corruption</li> </ul>	Strategic and operational fit	Corporate integration strategy     People and change     Shared services     Outsourcing     Change management	Establish project controls     Sustainable development, including energy, water and carbon     Review of transition from development to operating	Performance improvement review and management Controls Sustainability Health and safety People and change Shared services Outsourcing Change management	Managing reputational risks     Compliance obligations

#### Further insight

#### **Strategy Series**



#### Country mining guides

This series of country guides provides an overview of the mining industry from a geographical, economic and legislative context. These country guides are invaluable for those already operating or considering an investment in the country.

#### **Growth Series**



#### Growth in a time of scarcity: Managing transactions in the mining sector

This guide is the first in a series that discusses how mining companies can best navigate the asset life cycle, and covers the five key elements of the transaction phase: geographic expansion, financing and mergers & acquisitions, tax structuring, due diligence and integration.

#### **Performance Series**



#### KPMG Mining Operational Excellence Framework

KPMG member firms have developed their own operational excellence framework over the last several years of association with leading mining companies. It starts off as an organization on a journey of efficiency and then, over time, embeds such characteristics in its organization that makes the change sustainable over business cycles. This puts together all the capabilities necessary to assure the CEO of that 'operation' will be able to adapt to support their hunt for the next opportunity, whatever its nature.

#### **Compliance Series**



#### Impact of IFRS: Mining

This publication provides assistance to companies in the mining sector who are considering converting to IFRS. It gives an overview of the IFRS conversion process and looks at the impact of conversion on IT systems, people and business processes. It also considers the main accounting and reporting issues faced by mining companies, and discusses the related elements of the IASB Discussion Paper Extractive Activities.

#### **Sustainability Series**



Capitalizing on sustainability in mining

This publication examines how mining companies can leverage sustainable development to tackle resource constraints and sociopolitical challenges in remote areas in the world.

#### **Commodity Insights Bulletins**



Our series of bulletins focus on key mining commodities. Each bulletin is aimed to provide insight into trends, issues and changes within the key mining commodity sectors. The series currently includes Copper, Gold, Diamonds, Iron ore, Metallurgical coal, Nickel, Platinum, Thermal coal and Uranium.

#### **Mining Webcast Series**



Creating growth and value in a time of scarcity

Optimizing cost performance in an uncertain world

Guiding you through the project life cycle

#### **Mining Event Series**



KPMG's Annual Mining Executive Forum
KPMG Latin America Energy & Natural Resources Conference
ENRich

For more information or to access these and other mining publications, please visit: **kpmg.com/mining** 

## KPMG's **Global Mining practice**

KPMG member firms' mining clients operate in many countries and have a diverse range of needs. In each of these countries, we have local practices that understand the mining industry's challenges, regulatory requirements and preferred practices.

It is this local knowledge, supported and coordinated through KPMG's regional mining centers, which helps to ensure our clients consistently receive high-quality services and the best available advice tailored to their specific challenges, conditions, regulations and markets.

We offer global connectivity through our 14 dedicated mining centers in key locations around the world, working together as one global network. They are a direct response to the rapidly evolving mining sector and the resultant challenges that industry players face.

Located in or near areas that traditionally have high levels of mining activity, we have centers in Melbourne, Brisbane, Perth, Rio de Janeiro, Santiago, Singapore, Toronto, Vancouver, Beijing, Moscow, Johannesburg, London, Denver and Mumbai. These centers support mining companies around the world, helping them to anticipate and meet their business challenges.

For more information, visit:

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