Global demand for Australian commodities is driving a decade long expansion of mining capacity. Responding to this increase in demand has challenged the Australian mining industry. As organisations build new infrastructure to increase capacity, operations become more complex.

To ensure existing and future assets operate at optimum levels in this increasingly complex environment, many firms are investing in technology and support services. As an organisation that has been providing such services, Ajilon is aware of the industry challenges faced in the current market environment:

- **Skill Shortages** – Key staff are hard to find, let alone keep. Many mining and logistics operations are dependent on highly skilled resources with years of industry experience working deep in the mining operation. This model will not scale for the current growth in demand. Firms must learn how to use technology and updated business operating models to leverage their skilled resources across a larger portion of the operation.

- **Asset Downtime** – Increasing throughput on existing asset infrastructure places strain on asset utilisation. This strain results in unplanned and unnecessary downtime, reduces throughput and costs money. Understanding asset utilisation and using this information to reduce unplanned and unnecessary downtime will improve reliability of the supply chain and increase throughput.

- **Lack of Supply Chain Visibility** – Logistics organisations are heavily reliant on manually collated spreadsheets off which they make key operational decisions. These spreadsheets are typically out of date, inaccurate and unable to scale to support increases in infrastructure or changes in operating modes. Improving supply chain visibility will provide the information with which to make tradeoffs that optimise throughput and better manage operational resources.

- **Siloed Operations** – Within a mining and logistics supply chain, departments often operate independently. In this type of siloed operation each organisation is responsible for capturing, validating, and reporting the data related to their portion of the operation. They also use this data to make operating decisions for their operation. Unfortunately these decisions are often suboptimal because they do not incorporate information from across the supply chain. Creating a new operating model that incorporates information from across the supply chain is essential for improving decisions.

Exports from metals and other minerals are forecast to reach around $130 billion in 2011-2012*, now is the time to invest in information to manage your organisation” *(ref: Bureau of Resources and Energy Economics)*
At Ajilon we understand the Australian resources industry and have built a Resources Centre of Excellence to ensure successful engagements across it.

The Centre of Excellence tracks industry trends and innovation in supply chain technology and business process sophistication to help Ajilon clients expand capacity beyond the investment in physical assets. One of the products of this investment is the Ajilon Mining and Logistics industry reference model. This model incorporates the business process, technology and subject matter expertise necessary to transform your operations and take advantage of the current market conditions. This model is supported by an in-depth mining and logistics repository that enables Ajilon to provide independent industry advice to our clients. Specific capabilities include corporate driver trees, vendor collateral databases and industry memberships. Each of these are owned and supported by Industry Experts spanning our 7 industry specialisations, which underpin the Centre of Excellence.
Logistics Scheduling
Can your business respond swiftly to operational issues and still maintain efficiency?
We help you better manage schedule deviation, stock and inventory, whilst minimising delays. Enhance reliability across your supply chain with critical, integrated information and more efficiently manage the availability and utilisation of key supply chain infrastructure.

Rail Operations
Do delays and unplanned rail events cost you time and money?
With automated reporting, we can help you access accurate, reliable data across your rail supply chain. Enhance your ability to forecast equipment availability such as dumpers, loaders and rolling stock for maintenance. Improve workload efficiencies and make more informed business decisions, through integration of your processes and systems.

Port Operations
With access to the right information, could your port operations minimise idle time?
With better management of port inventory, automated stockyard level reporting, product handling and performance reporting, we can help you increase efficiency and throughput whilst meeting shipping commitments.

Shipping Operations
Do your shipping operations lack accurate, real-time data?
Get vessels berthed, loaded and sailed on time, increase asset utilisation and automate generation of key marine documents. Ask us how we can help you improve visibility of other port users, better plan and monitor vessel movements as well as reduce operational and equipment delays.

Delay Accounting
Don’t lose another crucial moment in a supply-constrained market.
We can help you understand your asset utilisation and availability performance metrics. Intensify your focus on poor performing assets and processes, integrate with your condition monitoring systems and automate the capture of delay causes. Ask us how we can help you maximise asset and operational performance and drive profitability.

Asset Management
Are you over or under maintaining your mining assets?
By increasing the transparency of information flow, we can help you develop efficient maintenance strategies to better manage equipment down time and accurately track, measure and improve asset performance. Make better decisions, minimise cost whilst improving capacity.

Inventory Management
Is poor visibility of your critical inventory information affecting what you load and reducing your profitability?
We can integrate and simplify your inventory management and help reduce holding costs. Ask us how to better track inventory data and increase visibility of stakeholder information. Improve your processes, systems and make operational efficiency gains.
Let’s Get Started
Ask us how we can help you make sound business decisions and improve profitability.