MECHANICAL ROCK

Better software, faster

About Mechanical Rock

Who Are Mechanical Rock?

Mechanical Rock are Australia's leading cloud native practice and work with some of the biggest names in industry to deliver efficient solutions to complex problems.

We are Amazon Advanced Consulting Partners and Google Cloud Platform Partners.

We deliver high quality software & quicker time-to-market via our blend of disciplined software development, automation, deep technical knowledge and advanced tooling.

A Brief History

Mechanical Rock began in Perth in 2014 and has quickly established a solid client base amongst blue chip, small-to-medium enterprises and startups.

In 2019, after 2 years of over 100% local growth, Mechanical Rock began to explore providing their skills and services within Asia, continuing to focus on innovation and cutting-edge software development.

Our Skills

We have a highly qualified staff of consultants who are attracted to the diverse and challenging work our customers offer us.

We supplement our senior technical staff with handpicked consultants who demonstrate excellent performance and a thirst for knowledge.

More than 90% of our consultants have achieved certification with one of our partners, with many of them going on to higher levels.

Our Partnerships

As a DevOps and cloud specialist, Mechanical Rock partners with select tool and platform vendors to provide clients with best-of-breed options and flexibility.

Mechanical Rock is proud to partner with the following tools and platforms:

aws   harness

Services and Successes

Our Malaysia offerings currently focus on two value streams:

⚙ Enterprise DevOps

Highly productive developer teams are not hampered by repetitive processes or heavyweight procedures. They are free instead to focus on delivering value to your product.

Mechanical Rock can assist with:

► **Automation**
Automate your build-and-test pipelines to increase your feature throughput.

► **Infrastructure As Code**
Converting your infrastructure to code will allow it to be tracked, tested and deployed in minutes.

► **Monitoring**
Real-time monitoring of your systems to catch errors and bottlenecks earlier.

🛢 Cloud Native Applications

Cloud Platforms seek to enable organisations to reduce their products' TCO (Total Cost of Ownership) and prepare them for scalability.

Mechanical Rock can assist with:

► **Re-platforming to Save Costs**
Re-platforming your application to benefit from AWS' lower costs.

► **Scaling**
Architecting your application to benefit from the scalability offered by containers and serverless services.

► **Leveraging Serverless**
Reduce your product's TCO by leveraging and implementing serverless microservices.

Our Solid Foundations

Beneath these, all of Mechanical Rock's engagements are built on the foundations of:

► **Test-First Development:** Test-First techniques are known to improve product quality, developer confidence and reduce defect appearance rates. Mechanical Rock uses Test-first techniques wherever it can.

► **Stakeholder Engagement:** Through practices such as Impact Mapping and BDD (Behaviour Driven Development), Mechanical Rock seeks to maximise the understanding of the product and feature requirements by involving stakeholders early and often, and thus driving up the quality of the product.

► **Automation:** process automation is a key component in decreasing feature lead time. Mechanical rock seeks to automate processes wherever possible, leaving developers to focus on delivering product value rather than running and managing wasteful tasks.

For more information, find us at:

mechanicalrock.io/malaysia

Case Studies

Enterprise DevOps: VGW

A global pioneer of Social Sweepstake Gaming, VGW's platform was struggling with rapid growth, the key issues being platform reliability and cumbersome deployments.

Mechanical Rock implemented **automated build and deployment pipelines** with **Infrastructure-as-code** to make deployments **100% reliable and repeatable** across multiple environments. We also deployed NewRelic to enable stability issues to be detected and resolved quicker.

Cloud Native Applications: INX Software

INX Software's 'traditional' development environment involved slow, inflexible release cycles and manual on-premise deployments. When branching out to a new mobile application, INX engaged Mechanical Rock to assist with delivering it using AWS serverless technology.

Mechanical Rock leveraged services such as Cognito, DynamoDB and AppSync to deliver a **completely serverless implementation**, which allowed the developers to focus on product features rather than infrastructure, at a dramatically **low operating cost**.