Success Story

THE IMPORTANCE OF INTEGRATION AND EQUIPMENT MAINTENANCE IN MINING

With Arcstone's solutions, a leading mining company successfully extracted one true source of data from a wide array of operational platforms and equipment. Enhancing productivity and safety across the value chain.
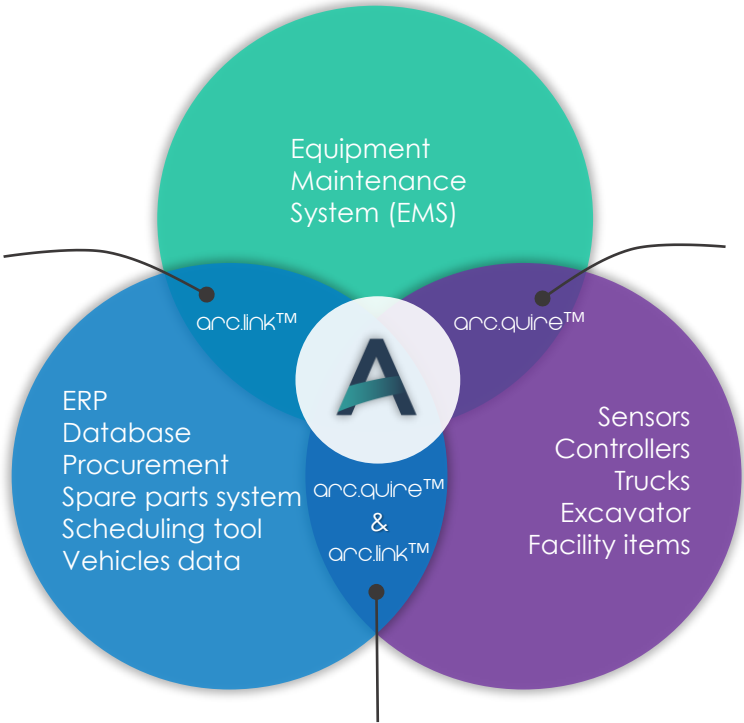
Challenges

Automation is not new in the mining industry. However, the majority of automation employed in mines is mostly standalone, resulting in a lack of integration with disparate data. Our Client, one of the leading contract mining companies in Indonesia, faced the same challenge. Inside their operations, they had a large number of independent pieces of equipment and systems, hardly communicating with each other. This posed considerable difficulty for the production manager and technicians when planning production and scheduling maintenance, especially when the volume and complexity of data collected at the mining site were exponentially increasing.

Our Solutions

By understanding the complexity of the value chain, Arcstone implemented arc.quire™ and arc.link™ integration systems, enabling the client to achieve total integration of data and work processes across the business.

Enterprise Software Integration
Integration with SAP and other software to push, pull, and share instructions for the operations to work

Equipment Maintenance System (EMS)

arc.link™

ERP
Database
Procurement
Spare parts system
Scheduling tool
Vehicles data

arc.quire™ & arc.link™

Hardware Integration
Integrated with the existing mining equipment and tools. Extracted data for predictive and preventive maintenance based on triggers

arc.quire™

Sensors
Controllers
Trucks
Excavator
Facility items

End-to-End Integration
Empowered the Client with visibility of one true source of data

ARCSTONE