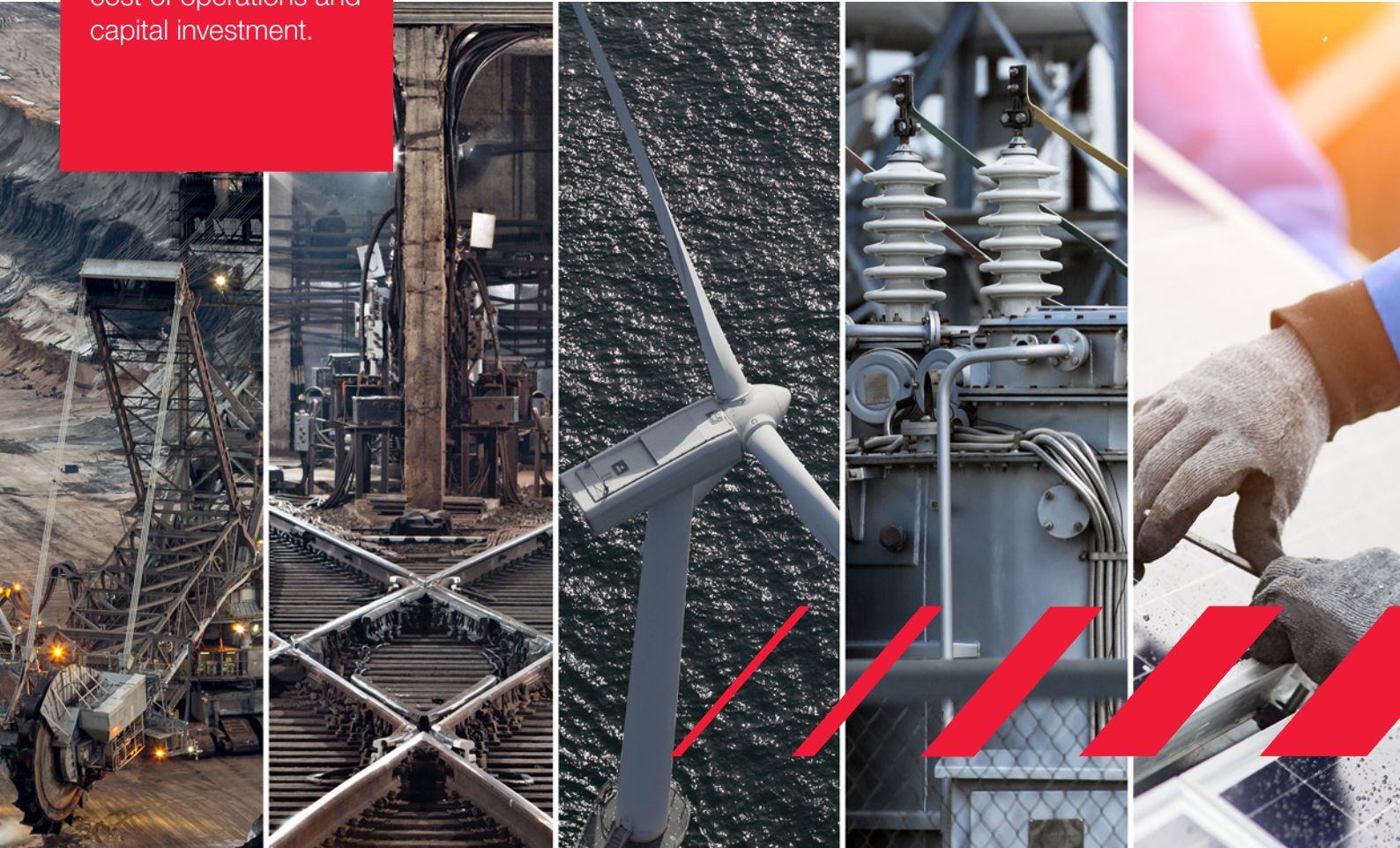




Dependable business outcomes at a superior cost of operations and capital investment.

# HITACHI

Inspire the Next



Enterprise asset management  
for asset-intensive industries.

# Lumada EAM

# Improve performance and profit with a global market leader in EAM.

## Industry challenges

Companies in asset-intensive industries such as energy, utilities, transportation, oil & gas, and mining, share a unique set of challenges that must be addressed to increase operational performance, reliability and profitability.

For one, the overall performance of these companies is dependent on the performance of critical assets; when they're not running, the company is not making money. Examples include generators and transmission lines for utilities, draglines for mining companies, and rail cars for railways. For another, asset-intensive companies intrinsically require large capital expenditures, and financial performance is largely dependent on return on assets. Finally, the assets are typically spread across a wide geographic area, overseen by a field-based workforce, and subject to physical and environmental stress.

Addressing these challenges is critical to delivering sustainable gains in performance and profit.

## The solution

Lumada EAM is a purpose-built enterprise asset management solution that delivers business outcomes at a sustainable and superior cost of operations and capital investment. Lumada EAM is designed to support the largest and most complex operational environments with highly robust functionality. Combining best practices in asset management and industry-specific expertise, Lumada EAM enables peak operational performance and continuous process improvement in line with ISO 55000 recommendations.

Unlike traditional ERP solutions, Lumada EAM is specifically built to support the complete lifecycle of complex, critical and costly assets. To achieve this, the solution includes complete enterprise functionality across asset management and maintenance, scheduling and execution, work planning, supply chain and material management, multi-entity financial management, and people management.





# Assets are at the heart of the Lumada EAM solution

Lumada EAM delivers dependable business outcomes at a superior cost of operations and capital investment.



## ASSET MANAGEMENT

- Capital and expense projects
- Management of constructions works
- Maintenance strategy
- Equipment costing + performance



## WORK MANAGEMENT

- Plan + schedule
- Execute + complete
- Support for field service
- Job + project costing / analysis



## MATERIALS MANAGEMENT

- Requirements determination
- Vendor management
- Inventory management
- Contracts + procurement



## WORKFORCE MANAGEMENT

- Assignments + planning
- Time + attendance
- Training + skills management
- HSSE



## FINANCIAL MANAGEMENT

- Budgeting + forecasting
- Project costing
- AR / AP
- CPR / fixed assets



## ANALYTICS

- Asset + operations insight
- Construction through operations
- Informed decision making
- Improved outcomes



## Key benefits

1

### Improve asset availability and performance

Lumada EAM enables businesses to manage assets based on risk and criticality to systematically prioritize work and become more strategic about asset management. It's not uncommon for maintenance organizations to have more work to do than they can handle. By carrying out a risk and criticality assessment of their assets, they can identify not just which are the critical assets, but also what are the critical parts for those assets – enabling them to prioritize work and inventory accordingly to ensure that the most important work is done first. Additionally, implementing reliability-centered maintenance, preventative maintenance, and predictive maintenance programs can further increase asset availability and performance. With Lumada EAM, business are able to articulate maintenance policies and strategies that maximize asset value, including proactive programs such as condition monitoring and reliability-centered maintenance.

3

### Standardize on ISO 55000/01/02

The British Standards Institution's ISO 55000/01/02 is a framework for best practice asset management for all types of physical assets across their lifecycle. Standardizing on ISO 55000/01/02 can help you make clearer connections between strategic organizational plans and the day-to-day realities of asset and work management.

Lumada EAM makes it easy for organizations to more readily embrace ISO 55000/01/02. Companies can leverage Lumada EAM to achieve key ISO 55000/01/02 mandates including:

- **Managing risk before it becomes a problem** including building risk assessment and management into alarms, inspections and defects, and work requests and work orders.
- **Understanding the condition of every asset** including automatically calculating the current condition of each asset based on inspection data.
- **Standardizing the asset registry business process** including registering assets according to ISO 55000/01/02 guidelines while ensuring that asset registers avoid becoming too complex.

2

### Optimize the maintenance, repair and operations supply chain

It's imperative to take the guesswork out of the MRO supply chain. Lumada EAM enables companies to manage the activities required for the sourcing, procurement, tracking, distribution and payment of goods and services required for the efficient and effective operation of the business, including production, administration and maintenance.

The objective is to balance the criticality of an asset's impact on operations with the cost of maintaining spare parts inventory and deliver:

- An efficient supply chain that reduces inventory and inventory carrying costs while improving service levels
- Increased in-stock performance and enhanced abilities to increase internal customer satisfaction
- Improved asset productivity
- Improved warranty recovery
- Reduced order cycle times and purchasing costs.

# Asset & work management, powered by Lumada

More than a system. An ecosystem.



**LUMADA APM**  
Asset Performance Management



**LUMADA EAM**  
Enterprise Asset Management



**LUMADA FSM**  
Field Service Management

APM is designed to provide health and performance insights to prevent critical asset failures while optimizing asset lifecycle costs. Leverage online and offline data to drive more intelligent, risk-based approaches to asset management.

EAM delivers business outcomes at a sustainable and superior cost of operations and capital investment. EAM instills best practices and processes to help you manage assets from day to day and throughout their lifecycle.

FSM is a highly scalable and intuitive inspection, maintenance, and repair application. Designed for asset-intensive environments like substations, FSM equips mobile users to execute work orders in the field with optimal efficiency.

EAM is part of the Lumada portfolio for asset & work management, software that enables asset-intensive industries to be more adaptive, collaborative, insightful and predictive. More than a system, it's an ecosystem that embraces your existing technologies, enabling you to gain the benefits of the latest technological advances without sacrificing the investments you have already made.

The Lumada software portfolio offers the latest in development and delivery paradigms, with a modular architecture that is

designed to support customer needs for agile delivery in a changing market. Customers can deploy precisely what is needed, when it is needed—this “selective consumption” model liberates customers from the forced “rip & replace” upgrades of the past.

These solutions are interoperable with our customers' investments in other complementary solutions. For maximum flexibility and choice, Lumada solutions are available via the cloud or on premises.

**PROVEN OPERATIONS  
AND INFORMATION  
TECHNOLOGY  
SOLUTIONS**

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& PROTECTING

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