



Enterprise Asset Management Advisory Services

BUILDING THE INTELLIGENT ASSET MANAGEMENT PROGRAM OF THE FUTURE

EPAM, a global product development, digital platform engineering, and business consulting firm, provides world-class Enterprise Asset Management (EAM) advisory services. We help companies unlock competitive advantage by transforming their asset management practices into an enterprise program focused on optimizing end-to-end performance. We also design and develop cutting-edge technology and business solutions that solve the most complex challenges for operators, manufacturers and service providers across the world.

TRANSFORMING EAM OPERATIONS

In order to successfully reimagine EAM operations, companies must break out of siloed thinking, utilize transformative consulting built to tackle their biggest challenges, and allow process, data, technology and people to come together to engage all parts of the business and deliver solutions at scale.



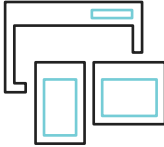





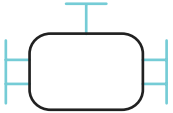

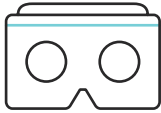

EAM TECHNOLOGY STRATEGY

The right combination of technology can deliver greater efficiency, support future growth and help companies evolve their offerings through new platforms, services, devices and tech capabilities.

QUICKLY RESPOND TO THE CHALLENGES OF TRANSFORMING ASSET MANAGEMENT PROGRAMS

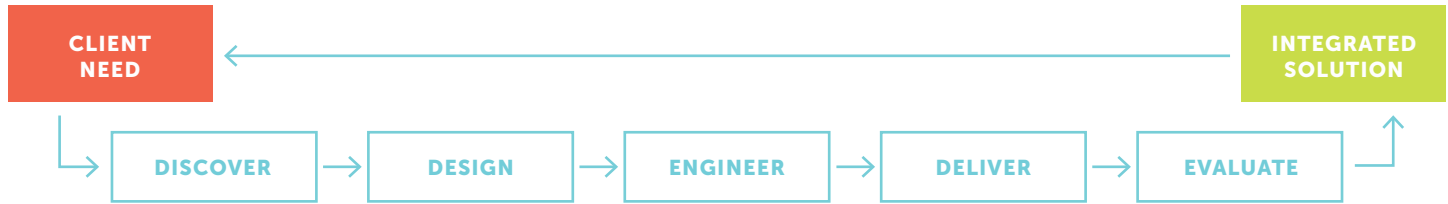
Despite technology's potential to automate and optimize asset management and plant maintenance, many of the world's leading companies are still running legacy platforms and lag behind due to siloed decision-making as well as a lack of standardization and orchestration. Reliability teams spend 80% of their time finding information and 20% of their time actually troubleshooting, while technicians depend on pen and paper or lack a consolidated view of planning, procurement, scheduling and execution activities.

We partner with organizations at all stages of their transformation, from helping establish a strong digital foundation and unlocking the value of new digital platforms to implementing next-gen technologies.

	PROCESS	DATA	TECHNOLOGY	PEOPLE
Foundation	<p>Well-defined, integrated and standardized control of work processes</p> 	<p>Process supported by validated and accurate data and information</p> 	<p>Easy access to information across platforms</p> 	<p>Data is recognized as valuable and treated as an asset</p> 
Next Steps	<p>Seamless digital handover of new assets from projects and procurement to operations</p> 	<p>Enterprise data model has flexible taxonomies that can be changed/re-cast as required</p> 	<p>Impact assessments use data relationships to highlight and demonstrate impacted items</p> 	<p>Enterprise data is used for project monitoring/control and for participation in engineering or safety reviews</p> 
Digitally Mature	<p>Remote operations, mobile mark-up and inspections, and continuous maintenance strategy optimization</p> 	<p>AI and predictive analytics applications such as IOT/ Digital Twin</p> 	<p>3D visual reporting for scheduling and AR for inspection/maintenance activities</p> 	<p>Effective strategies are in place for digital adoption and change management</p> 

OUR APPROACH TO DELIVERING & OPTIMIZING ASSET MANAGEMENT SOLUTIONS

EPAM's EAM Practice follows an end-to-end approach to ideate, design, develop, integrate and optimize asset management solutions unique to your specific business needs. EPAM's team can enter at any phase to provide support to your business challenges.



DEFINE AN EAM TECHNOLOGY STRATEGY THAT GENERATES ROI

Recent advancements in the Internet of Things (IoT), big data, robotics, artificial intelligence (AI), blockchain and cloud technologies present both abundant opportunities and unrelenting challenges to enterprises. By leveraging the power of these technologies, companies can boost operational effectiveness, extend asset lifecycles to new levels and operate at a scale not previously attainable.

We help our clients deliver ROI by leading in the following key areas:

ANALYTICS & BIG DATA

Analyze and optimize the cost of preventative and corrective maintenance, level-load work activities and evaluate asset performance

INTERNET OF THINGS

Build digital twins of production systems, unlock predictive maintenance and remotely monitor/inspect critical assets from pipelines to equipment

BLOCKCHAIN

Provide E2E supply chain transparency and traceability to reconcile procurement and materials management systems, prove authenticity and reduce working inventory

MOBILITY

Enable field and crew personnel, collect and analyze inspection data to improve reliability and optimize ways-of-working for technicians and contractors

AUTOMATION

Automate routine activities to free resources for strategic decision-making, improve the accuracy and timeliness of data and accelerate business processes

CLOUD PLATFORMS

Build collaboration platforms for engineering, reliability and project partners, create data lake solutions to support advanced analytics, and rapidly scale innovative applications

HUMAN-CENTERED DESIGN

Develop solutions that are centered around humans, not machines, to increase performance and safety through usability, adoptability and emotional connection

ASSET MANAGEMENT SUCCESS STORIES

FORTUNE 500 PHARMACEUTICAL COMPANY

Architected **end-to-end industrial IoT solution** to collect and store sensor data, transfer real-time sensor data to SAP Cloud Platform and stage the data in cloud infrastructure in an analytics-ready state to power a digital twin model and predictive analytics engine.

GLOBAL INDUSTRIAL EQUIPMENT MANUFACTURER

Implemented a SaaS strategy and **delivered a CMMS, IoT, GIS and health monitoring solution for mining**. This integrated solution optimized maintenance and operational costs, consolidated IT infrastructure at a centralized location and provides actionable insight in less than 30 seconds.

FORTUNE 15 OIL & GAS SUPER MAJOR

Delivered a solution to enhance preventive maintenance with **advanced analytical models on big data** that predicts events to avoid asset failure anomalies of the process and measurement systems.

FORTUNE 500 ENERGY SERVICES COMPANY

Built a real-world **VR training simulation** to provide realistic training for new employees operating rig equipment. EPAM created a 1:1 scale oil rig in virtual reality with training content related to the operation of the rig systems.

FORTUNE 500 CHEMICALS COMPANY

Designed and delivered an in-house **enterprise asset management software solution to control machines, streamline operations and automate day to day tasks** across the client's 60+ plants in North America and Europe.

GLOBAL INSPECTION EQUIPMENT MANUFACTURER

Created an **integrated pipeline inspection/asset management platform** to aggregate and display sensor inputs, live video capture/compression, ArcGIS data, Maximo data, Scoring Engine and 3D Rendering.

START THE CONVERSATION TODAY

Are you ready to optimize and automate your enterprise asset management systems through the implementation of innovative technologies? Contact us today to schedule your free consultation.

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