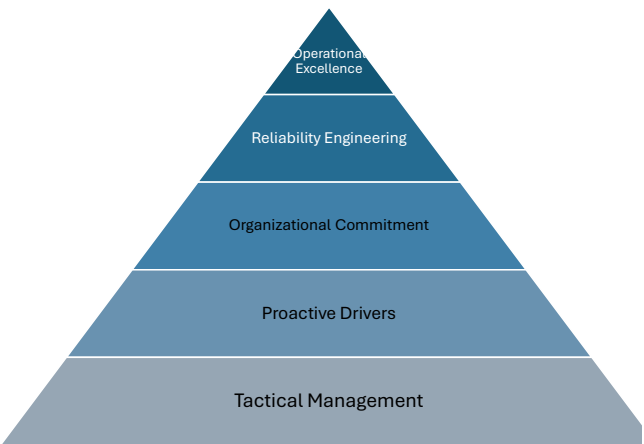




## Asset Bridge™ – Integrated Asset Management System

**Organizations need assets to develop products or provide services.** In industrial environments, **asset management** is the discipline that ensures equipment and facilities maintain their performance, safety, and value throughout their lifecycle. It involves integrating engineering, maintenance, operations, and financial management to make informed decisions about asset acquisition, use, maintenance, renovation, and disposition.

**Properly managing them through proper maintenance not only improves their technical performance, but ensures their availability when needed and maximizes value capture opportunities.**



What is the Asset Bridge program?

**LYSPAS & CO's** Asset Bridge is a structured program that has a set of elements that allow the approach to the difficulties that each plant has for the Optimal Value Capture of its assets.

It is a program that combines international standards, good practices and continuous improvement tools, with the operational reality and maturity of each plant.

Generate links between the areas of Maintenance, Operations, Engineering and Management to maximize the return on value of your investment through availability and reliability.

### What problems does it solve?

- Low equipment availability and unplanned downtime.
- High maintenance costs due to reactive practices.
- Lack of coordination between maintenance, operations, and safety.
- Poor traceability in work and technical decisions.
- Over Inventories or critical spare parts not availability
- Difficult on measuring asset management maturity

### Benefits

- Increased availability and reliability of critical assets.
- Reduced maintenance costs and losses due to unplanned downtime.
- Optimization of the inventory of critical spare parts.
- Effective integration between technical and operational areas.
- Regulatory compliance and improvement in industrial safety.
- Clear view of the level of maturity and evolution in asset management.



### 1. Plants in operation

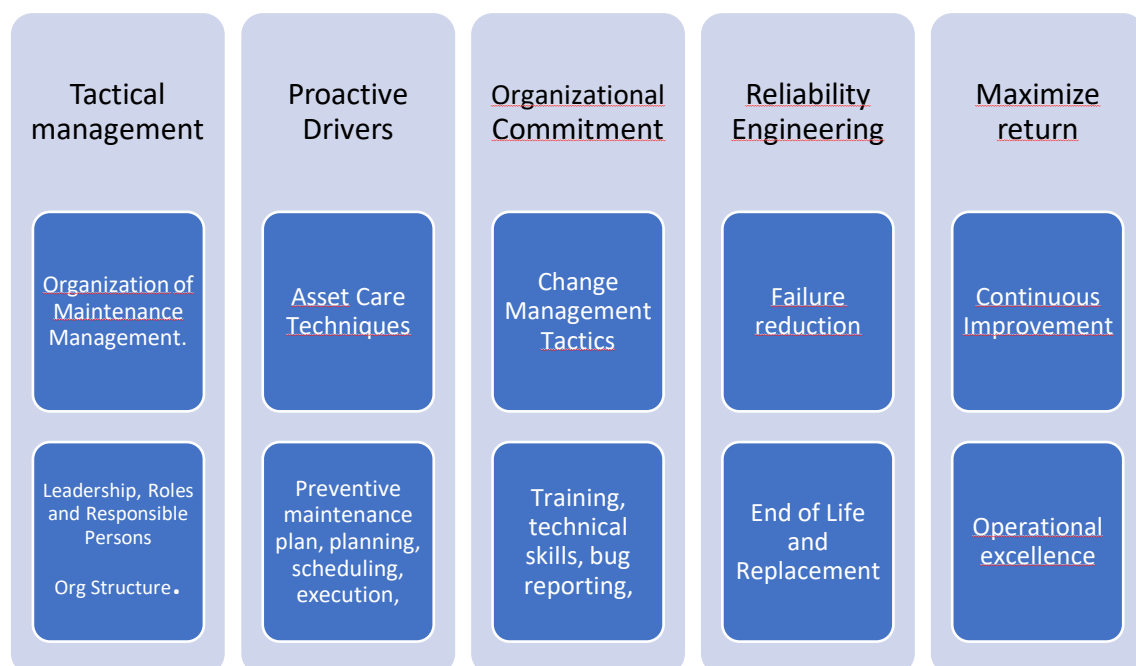
- Asset management maturity diagnosis, identifying gaps in processes, technology and competencies.
- Implementation of preventive, predictive and proactive maintenance routines and standards.
- Integration of online and offline monitoring, with field tracking and calibration protocols.
- Optimization of the management of critical spare parts, tools and technical resources to improve response times.

### 2. Projects and new plants

- Incorporation of maintainability and reliability criteria from the detailed engineering phase.
- Definition of maintenance and spare parts strategies from the beginning to avoid recurring failures.
- Establishment of key performance indicators (KPIs) for assets from start-up.
- Early training of operators and technicians to ensure a culture of asset care from day zero.

## Methodologies and timing

The program combines world-class practices with LYSPAS & CO's proprietary tools working on five key subsystems:



Each subsystem is consolidated through a set of key elements that allow the different aspects of the Integrated Management System to be addressed.

The division by elements allows you to track the level of implementation maturity of the categories to define an evolution roadmap.

The level of maturity is measured through a score of each element in 5 levels:



Applications by Industry and Specific Focus

Asset Bridge™ adapts to the **critical assets of each sector**:

- **Oil industry:** Rolling mills and crushers, equipment whose reliability has a direct impact on production capacity and extraction performance.
- **Grain movement:** Unloading platforms, conveyors, dryers, where operational continuity avoids quality losses and downtime.
- **Milling and other mechanical processes:** Mills, screens, crushers, hullers, minimizing wear and ensuring a consistent final product.
- **Industrial refrigeration systems** (compressors, evaporators, condensers).
- **Deboning and packing lines** (conveyor belts, saws, sorters)
- **Critical Fluid Transfer Systems and Pumps**

Duration: adaptable according to initial diagnosis. Typical implementations: 10 to 12 months, with quarterly milestones and visible results from the first quarter.

At what point along the way is it recommended to implement it?

- Ideal for plants in operation looking to move from reactive to proactive/predictive maintenance.
- Key in the project phase to ensure that the design includes asset management practices from the outset.
- Recommended after technical audits or critical events that show weaknesses in availability

What other products it relates to?

- Ops Excellence System™ – to integrate asset management within an operational excellence system.
- Measure Bridge™ – to ensure accuracy in condition measurement and monitoring.
- Change Bridge™ – to manage the cultural and organizational adoption of new practices.
- StratBridge™ – to align asset strategy with corporate strategy