EAM Connector

Maximise your EAM and asset information investment

Out-of-the-box integration linking assets to documents and management of work packs to support maintenance work orders - improving productivity and reducing costs and downtime.

Deliverables at-a-glance

» Supports concurrent engineering for increased collaboration

» Improves work order oversight, control and coordination

» Full audit trail and reporting

» Efficient searching by functional locaiton, asset tag or MWO

» Mobile device support for field-based activity

» Maintain a single source-of-truth and maximize return on assets

The Challenge

Equipment-intensive industries face unique challenges in maintaining margins and improving return on assets (ROA). Consequently, there are constant pressures to reduce budget, labor and operating costs while increasing production levels and maximizing asset utilization uptime and ROI.

A critical aspect of plant efficiency and uptime is Operations, Maintenance and Engineering having quick access to the most up-to-date asset information in order to carry out regular maintenance work orders (MWO). However, since Enterprise Asset Management (EAM) systems are not designed to manage documents in a collaborative environment, too much time is being lost in searching for engineering diagrams and documents to carry out the work orders. With master documents held in personal repositories, mark-ups and changes getting lost or hard copies being printed for distribution and review, there is no clear visibility of all affected documents and, more importantly,

access to the latest versions. This can have a serious impact on key business decisions and on safety and regulatory compliance due to outdated or incorrect documentation being used – ultimately, adversely impacting productivity and process downtime as well as overall plant and equipment costs.

The Solution

Opidis' EAM Connector is a seamless, out-of-the-box integration between the Enterprise Asset Management and our Engineering Document Management solutions (EDMS) for the creation and tracking of work packs under secure change control to support maintenance work orders. The connector supports leading EAM systems such as SAP and Maximo and most importantly helps to maintain the 'single source of truth' integrity of the EDMS repository throughout the work order lifecycle.

A work order folder is automatically set up within the EDMS and a relationship secured between the two systems. This enables work packs to be quickly

created and documents based on the MWO to be easily searched and merged into a single 'read only' PDF, which can then be controlled and maintained similar to any other document within the EDMS repository. This ensures that only the latest and most up-to-date document version is being used to carry out the work.

Controlled and supporting documents, such as engineering diagrams, vendor manuals, checklists and inspection sheets, can be searched and attached to the work pack, either directly from the released folder structure or using the in-built search capabilities - searching by asset tag, functional location area or maintenance work order.

Once the work pack is issued, it is placed under secure change control. This ensures visibility throughout the process, with the most-up-to-date version always available. An intuitive traffic light system is used to track controlled and engineering document changes and highlight possible issues to engineers and planners.

With a simple button click, maintenance engineers can quickly and easily add field documents to the work pack, such as P&IDs with comments or checklists with approval signatures. Comments and markups can also be applied to

the work packs themselves once they have been issued, which can be viewed and added to by other team members, creating a collaborative environment for all stakeholders during work order execution. When on-site, work packs can be accessed on tablet devices, with field-based redlines applied, significantly improving productivity as well as reducing need for printed copies.

The EDMS will automatically send a notification to document control when work pack tasks are completed so that markups can be processed as part of an as-built incorporation project if required. Tasks can be assigned to multiple people with the same role so that the individual with first availability can perform the task. Automated rules-based workflows ensure the lifecycle status is continually updated, improving project-wide communication between maintenance and engineering and closing the loop on the end to end process.