

Using Asset Management Information for Bottom Line Value

Where's the real value in Asset Management?

If you manage a complex production organization, you know that effective asset management is critical to success. You've probably spent a lot of money (and time) on implementing a sophisticated EAM or CMMS¹ application so that you can improve operational efficiency, reduce maintenance and production costs, and achieve production performance that is reliable and predictable.

There's no question that EAM/CMMS applications provide value. But do they really support you in making decisions that are strategic, and that improve bottom-line results? Do they enable you to schedule your operations for maximum production? Or is their value more limited?

The limitations of Asset Management applications

EAM/CMMS applications have limitations because they are transactional in nature. They capture data about your assets in a way that's focused almost entirely on the asset management function. By doing so they hide information that could yield valuable insight into production performance, and that could assist you in taking actions that are strategic—to make reliable operational decisions based on the stored transactional data. For example, while you can use these applications to learn about your assets, and what maintenance activities need to be scheduled in the next shift, or the next month, they don't help you to create a work schedule that balances the most efficient use of your assets against your production targets: for this you're on your own.

Actenum MPS supports strategic decision-making

Actenum MPS solutions move your decisions to a strategic level. They enable you to link your existing ERP, EAM, CMMS, and Supply Chain Planning applications using an optimized end-to-end business process based on integrated scheduling.

By integrating maintenance and production scheduling, you can improve operational performance and ensure reliable production. Actenum MPS helps you to make important decisions in real time, so that you can respond rapidly and reliably to unplanned outages or other disruptions. You can put strategies in place for improving equipment performance and reducing operational risk with Actenum's scenario planning capabilities. And you can align your reliability processes with your business goals.

The result is improved production availability, increased operating efficiency, better understanding of scheduling decisions and how they relate to operational risk, and much better decision quality and response times.

Designed for complex and challenging operations

Actenum solutions are designed for use in organizations that are asset-intensive and where complexity is high. And when downtime impacts production—due to unplanned disruptions or planned schedule alterations—Actenum empowers you to make effective scheduling decisions at the speed of business, rather than using slower, manual methods.

¹ EAM: Enterprise Asset Management; CMMS: Computerized Maintenance Management System

Actenum MPS benefits

Through a sophisticated operational model for production and maintenance, combined with a high-performance optimization engine, Actenum MPS unlocks the information stored in your separate applications, and provides bottom-line impact:

- Ø Increased production availability and output
- Ø Increased operating efficiency and maximized asset performance
- Ø Rapid and strategic decision-making
- Ø Enhanced recovery from planned and unplanned changes and downtime
- Ø More effective collaboration between operating units

About Actenum

Actenum is the leading provider of Asset Scheduling Management (ASM) software for the energy and mining industries. Our solutions increase production uptime through rapid, reliable scheduling of production assets.

During daily operations—even in the most complex, disrupted production environments—Actenum solutions enable you to create optimized asset schedules that are directly linked to user-defined key operational metrics. As a result, you can make informed and effective scheduling decisions that support your production goals, reduce deferred production, and improve operating efficiency.

To speak to an Actenum representative, or to schedule a demonstration, please contact us at 604.681.1262 x 224, or info@actenum.com.

What's the best way to handle an unexpected disruption?

Suppose that an hour into your workday you learn that an inspection of an important pump in one of your production lines has revealed the likelihood of an earlier-than-expected failure.

You need to schedule maintenance for the pump soon, and so you turn to your CMMS application. You're able to review a wealth of information on the pump, the work that will have to be done, the expected operating life, mean time to repair, and so on. But how do you determine:

- Ø Exactly when to schedule the pump maintenance?
- Ø What impact this forced outage will have on your ability to achieve your production targets for the month?
- Ø How the operational risk in your plant will change because of the outage?
- Ø What other maintenance tasks should be scheduled while the pump is down?
- Ø What impact the outage will have on other maintenance activities already scheduled?

You won't find this information in the CMMS (or the EAM application). The most likely method that you'll use to update the maintenance schedule is *manual*, using both your knowledge of the equipment and past experience. You might work with the other members of your staff that have to be involved. All this takes time, and can be stressful. You'll end up with a new maintenance schedule, but you won't be able to quantify the impact of this schedule on your bottom line because your decision-making process is not reliable.

Is this efficient? Does it lead to improved operational performance and increased production? No; you might derive a workable solution but it won't take production efficiency and targets into account.

Actenum MPS would allow you to rework the maintenance schedule in minutes, keeping your operations on track. As well, you'd know the impact of the schedule changes on production output, and you'd have much better control over your operations.