When companies gain visibility into the status of their physical assets, maintenance becomes easier, operations improve, and financial benefits accrue to the bottom line.

PwC’s Asset Management Solution
Powered by Microsoft Dynamics® AX
The challenge of managing complex assets

Industrial manufacturers and other companies with significant hard assets often face a challenge keeping tabs on everything. To perform at consistent quality levels, assets require regular maintenance. Any slip-ups in maintenance can lead to equipment failure, which costs time and money. Companies that get this right and take the right preventive measures can increase the reliability and lifespan of their assets, reduce their maintenance cost, and ensure that they hit their production targets. They can also better integrate their assets with other business functions, so that the entire organization operates as a coherent whole.

That sounds easy, but many companies still keep asset documentation on paper (or not at all). Even the companies with digital records often struggle to get this information into the hands of operators so that they can make smarter, more proactive maintenance decisions.

In addition, technologies like machine learning and embedded sensors are creating greater opportunities for optimizing assets through richer data and more granular insights. Companies need to build the right foundation to take advantage of these tools as they become more widely available.

PwC's Asset Management Solution

PwC has helped clients address process and data integration challenges across multiple industries. As a result, we have a perspective and a starting point when we enter an engagement that enables clients to leverage our experience through structured approaches, templates and programmatic aids that help clients jump-start their time-to-value. As a Global Advisory Partner of Microsoft, PwC has significant experience helping companies implement a range of Microsoft products, including Dynamics AX, SharePoint, cloud services, data, mobility, and business intelligence.

PwC’s Asset Management Solution is an advanced module that integrates with Microsoft’s Dynamics AX ERP platform specifically to manage the oversight, operation, and maintenance of hard assets. The solution meshes seamlessly with other AX modules, including master planning, production control, procurement, and inventory and warehouse management. As a result, it automatically syncs maintenance actions with production information and feeds data directly into the Dynamics AX inventory, purchasing, and planning capabilities. Companies can also use PwC’s Asset Management Solution as a foundation for PwC’s asset service management solution, which focuses on servicing customer equipment.
The PwC solution advantage

PwC’s solution provides an end-to-end view of all hard assets in a company’s portfolio. Specific functions include a barcode-based online audit, establishing a real-time, accurate inventory. When the condition of an asset changes, the system will flag it automatically. For maintenance jobs—preventive, corrective, or reactive—the solution will track work orders, generate a checklist for on-site employees, and check for matching competencies and certifications required to perform the job. It tracks spare parts in a proactive manner, analyzing usage rates to predict when a part will be needed based on estimated wear-and-tear and orders them automatically. It calculates KPIs including uptime, downtime, repair time, mean time between failure, and mean time between stops (among others). And users can access all information via a mobile app that is backed up by a central cloud server.

Summary

Firms in the manufacturing, distribution, and servicing sectors need a single, integrated solution that can mesh with their ERP to improve financial and operational performance. PwC’s Asset Management Solution gives manufacturers and other asset owners the visibility they need to manage and service a wide range of equipment—including machines, production equipment, buildings, vehicles, facilities, or any other objects that require regular inspection or overhaul.

The PwC and Microsoft Alliance

PwC has built a body of expertise in Microsoft® Enterprise applications, including Microsoft Dynamics CRM, Microsoft Dynamics AX and Microsoft SharePoint, as well as Azure for cloud–based services, Office 365, and business intelligence, such as Microsoft Power BI. Our teams have combined the power of Microsoft platforms with PwC’s business, technology, and strategy consulting expertise to drive transformative business solutions that meet the unique and specific needs of individual companies, particularly in the mid-market space. PwC’s Microsoft competency offers a depth and breadth of experience leveraging Microsoft technologies and platforms and the global reach that comes from solving real business problems for organizations around the world.

About PwC

Anticipating problems, finding answers—some opportunities feel like impossible challenges. They’re so big and complicated that they require insights from lots of different fields. Every day, our people work with you to create the value you are looking for. We’re a network of firms in 157 countries with more than 195,000 people who are committed to delivering insight and quality in assurance, tax and advisory services. At PwC, we understand how critical business outcomes can be enabled through precisely targeted solutions. With the combination of strategy, risk, and technology advice, we are committed to being the top business integrator, helping companies achieve their technology goals, make improved decisions, and capitalize on business opportunities.

To find out more about PwC’s Asset Management Solution powered by Microsoft Dynamics AX, please contact:

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