

THE PERFECT PLANT – REALISING THE VISION >>

Expert Opinion by Phil Mapley

Manufacturing isn't getting easier. Enterprises are under constant pressure to deliver innovative products, reduce costs, respond to customer demands more quickly and improve efficiencies. Furthermore, the challenges of globalisation, increasing regulatory demands, mergers and acquisitions, complex supply chains and operational costs are ever present.

The manufacturing facility has to be transformed, from a necessary cost evil into a source of profit and innovation, in order to become a truly responsive component of the wider supply chain.

No single solution is yet available, and manufacturers' searches for potential solutions normally result in an approach that requires a large capital investment and a far-off payback.

Feedback from operations staff about what is required to reduce costs or improve performance typically identifies the need for:

- > More or better qualified staff
- > Faster and higher-capacity equipment
- > More storage or production space
- > Improved reliability of process equipment
- > Faster and more reliable packaging machines
- > Automation or improved controls
- > More real-time, actionable information.

How does the manufacturer make the judgment to choose which initiatives will yield the greatest business benefit?

In response to this, Atos Origin has developed the Maximise Manufacturing Together (MMT) approach, to provide a comprehensive answer to these questions, and to enable manufacturers to realise the vision of the 'Perfect Plant'.

**THE PERFECT PLANT – HOW TO MAXIMISE YOUR PLANT
VISIBILITY, PERFORMANCE, RETURN ON EXISTING SAP**

MAXIMISE MANUFACTURING TOGETHER (MMT) EMPOWERS ENTERPRISES WITH INFORMATION, DEPENDABILITY AND INDUSTRY-SPECIFIC FUNCTIONALITY, USING A SET OF SAP-CENTRIC SOLUTIONS

Manufacturers must improve the visibility of operations within the factory in alignment with the immediate demands of the enterprise to maximise profits, and make the factory a source of collaborative innovation for the long-term. This will maximise return on investment.

A three-way balancing act is required, including:

- i. An optimised process view of operational planning
- ii. Asset performance
- iii. Execution scheduling.

Most of the detailed information required to support these processes is buried in the shop floor systems and not visible to the wider enterprise.

Atos Origin has developed a benefits-led approach to the delivery of the plant information, aimed at making the best use of existing plant systems data, putting the data in context with the enterprise view and maximising its decision support potential.

We call this approach Maximise Manufacturing Together, Next Practice.

This MMT approach is not just theoretical. Working with a leading food and beverage manufacturer, Atos Origin developed the MMT approach so that manufacturers can achieve the 'Perfect Plant' in a set of measurable, repeatable and practical steps – what we call the 'Next Practice'.

To achieve the 'Perfect Plant', MMT will:

- » Enhance the value of your investment in existing enterprise applications
- » Simplify business processes delivered to the front-line operator
- » Exploit the existing manufacturing infrastructure and data sources
- » Integrate shop floor information with the rest of the enterprise
- » Provide actionable intelligence through role-based portals
- » Support operational excellence programmes and teams in real time – LEAN 2.0

MMT explicitly links the business benefits, represented in the Perfect Plant vision, with the components of the infrastructure through a defined set of project execution steps – in short, a time-boxed plan that adds value to your existing investment in SAP and shop floor systems.

The MMT process works as follows:

- » The framework used to assess and define the stakeholder benefits (shown opposite in Figure 1) links to MMT functionality, by the use of the proven MMT Benefit Catalogue
- » This catalogue is adopted, adapted and enhanced to identify and quantify potential benefits in a consistent way across all required plants
- » The benefits are then linked to the processes and KPIs which they impact providing clarity on expected operational and financial improvements.

MMT, through its Next Practice approach, exploits the power of Enterprise Architecture tools to capture the vision of the 'Perfect Plant'. MMT then analyses the desired to-be state as a set of business objectives and performance KPIs. It then applies the proven design principles of 'define once, deploy many' to create an SAP and plant-level integration model which can be repeatedly rolled out based on the existing plant infrastructure.

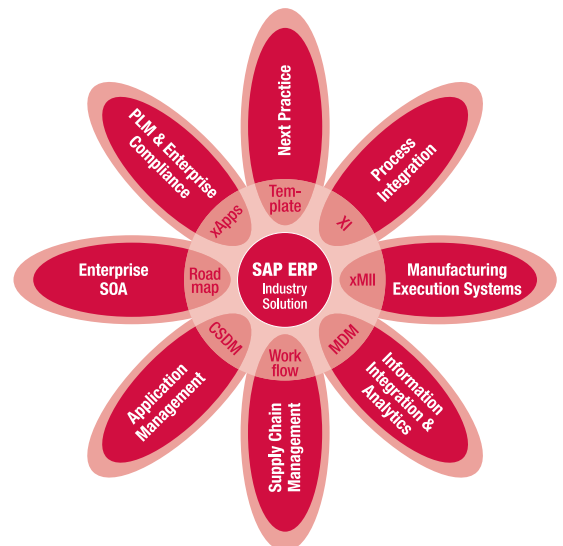
MMT allows the strategic vision of the divisional vice president to be realised in a programme rollout plan by the IS director, and be delivered to the plant jointly by the IT and engineering communities.

NEXT STEPS

Atos Origin has a team of experienced industry consultants who can help you plan and realise the benefits of MMT Next Practice in building the 'Perfect Plant'. For further information, please email uk_sap_practice@atosorigin.com or visit www.atosorigin.co.uk

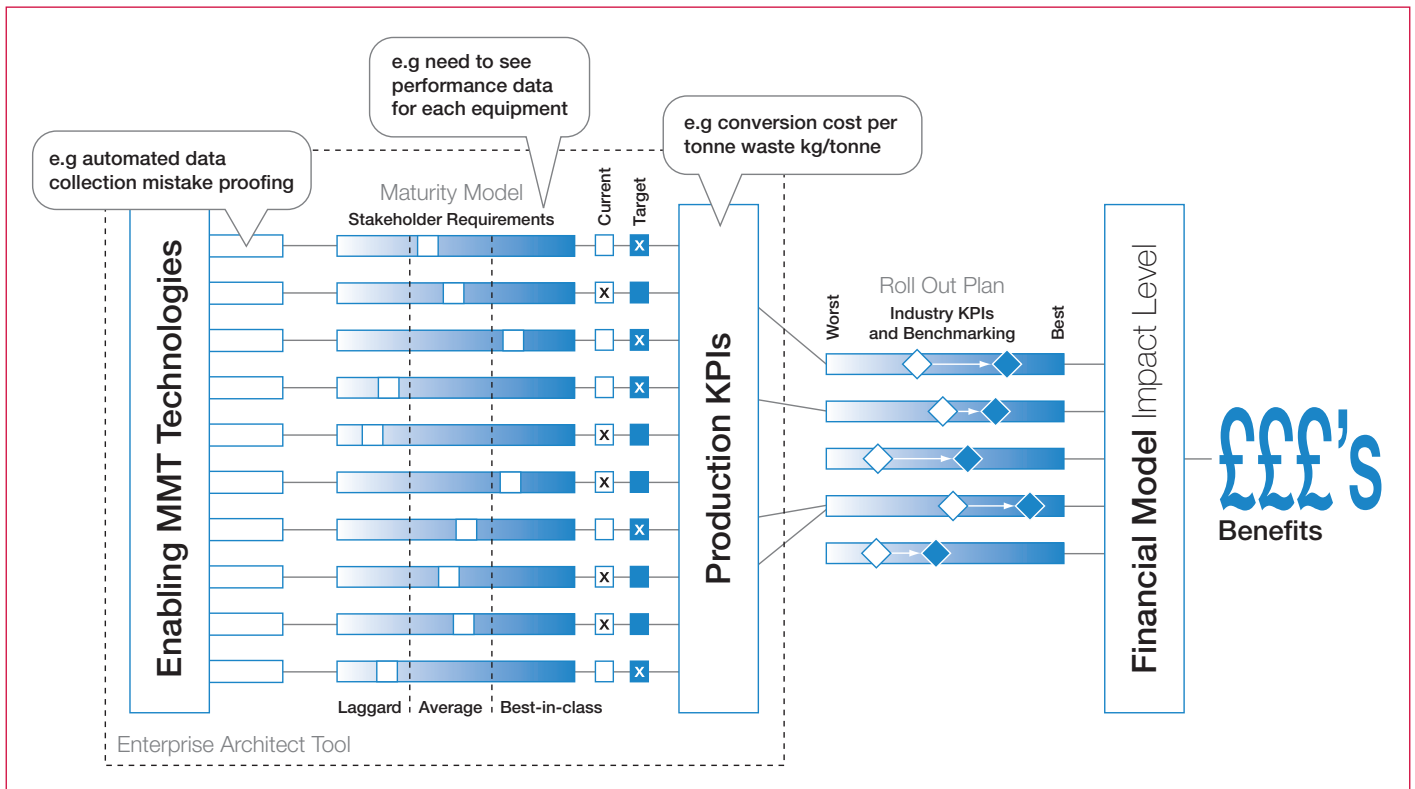


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Maximise Manufacturing Together

Figure 1: MMT Benefits Delivery



**ENTERPRISES ARE BETTER ENABLED TO INNOVATE,
ADAPT AND SUCCEED IN TODAY'S MARKET**

About Atos Origin

Atos Origin is an international information technology services company. Its business is turning client vision into results through the application of Consulting, Systems Integration and Managed Operations. The Company's annual revenue is EUR 5.5 billion and it employs 50,000 professionals in 40 countries. Atos Origin is the Worldwide Information Technology Partner for the Olympic Games and has a client base of international blue-chip companies across all sectors. Atos Origin is quoted on the Paris Eurolist Market and trades as Atos Origin, Atos Worldline and Atos Consulting.

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