finding

the perfect fit to your needs
through MES product selection

Finding the solution to fit the business and deliver the benefits

Your company is unique. Your people, products, plants and processes distinguish you from the competition. So your Manufacturing Execution System (MES) must be a good match with your profile if you want to maximise its potential benefits.

Atos is a leader in working with customers to select MES software that best suits their characteristics. We identify what makes the customer different. Then we can accurately define its MES requirements. We take the worry out of assessing scores of packages available – using our M4MES proprietary methodology that underpins our capabilities, and the ISA-95 international industry standards for MES selection.

We specify the solution and we leverage our unrivalled MES software implementation experience, so you get the best chance of achieving your business objectives. Manufacturers are under constant pressure to improve and compete. Today, they can choose from a fast growing range of MES solutions, to help bridge between business and production – in discrete, process and batch industries.

Growth

MES can build a platform with optimized balance between resource, use of assets, and supply chain efficiency. It can drive out siloed thinking.

Reusability

Manufacturers with multiple plants are saving significant costs by implementing reusable solutions across the enterprise.

Standardization

Consistent shop floor processes deliver business agility, staff flexibility, and benchmarking between plants to drive performance improvement.

Sustainability

Customers and regulators now demand high standards of environmental operations. Process companies need waste, wastewater and energy management.

Time to market

Product launches determine competitive edge for many discrete manufacturers. Integrating plant processes with product lifecycle and development is paramount.

Overcoming the selection barriers

There is no shortage of MES solutions. The challenge is finding the right one for you. You can go direct to the vendor, but MES software is complicated to assess, and often involves multiple offerings. You can use ISA-95 standards as your guide, but you might need specialist knowledge to manage its wealth of advice.

The key to success is scoping your MES requirements accurately. Scoping must be based on a clear analysis of your unique processes and business profile.

Otherwise your MES solution – however good it might be for others – will not exploit your very own market advantages.

Atos

MES software is a growth industry: you can waste a lot of time and money looking for the wrong solution

Software selection – founded in best practice

We can help you find the best matching MES solution. We have done it many times for large multi-site and multi-country organizations, as well as smaller scale enterprises. We use our internationally proven M4MES methodology to get a clear picture of your business, and scope your needs accurately.

We also apply our industry-leading MES skills, honed by 20 years experience implementing some 400 MES solutions all over the world.

M4MES is a transparent framework, encapsulating industry best practice. It is used for implementing MES systems for different types of manufacturers. It has been tested extensively in large multi-site MES projects in both the US and Europe, and can handle any degree of project complexity.

Over the years we have collected common improvement requirements from among manufacturers in particular industries. We store these requirements and objectives in our M4MES benefits catalogue database.

The M4MES catalogue links these requirements to a best practice library of benefits, functionalities and common MES components – the engine for our software selection offering.

How our software selection approach works

We start with a close look at the customer's business climate, market context and strategy.

Our methods are hands on. Visiting the customer's factories helps us follow production dock-to-dock. Face-to-face interviews with customer stakeholders sharpen our understanding.

We apply ISA-95 standard domains (production, quality, maintenance and inventory), as well as our M4MES framework, to determine what the solution needs to cover.

Then we begin vendor selection. We create a long list, based on surveys and research data, and then a short list, determined by questionnaire or comparison tables. We find out whether short-listed solutions cover all, and specifically your distinguishing requirements,
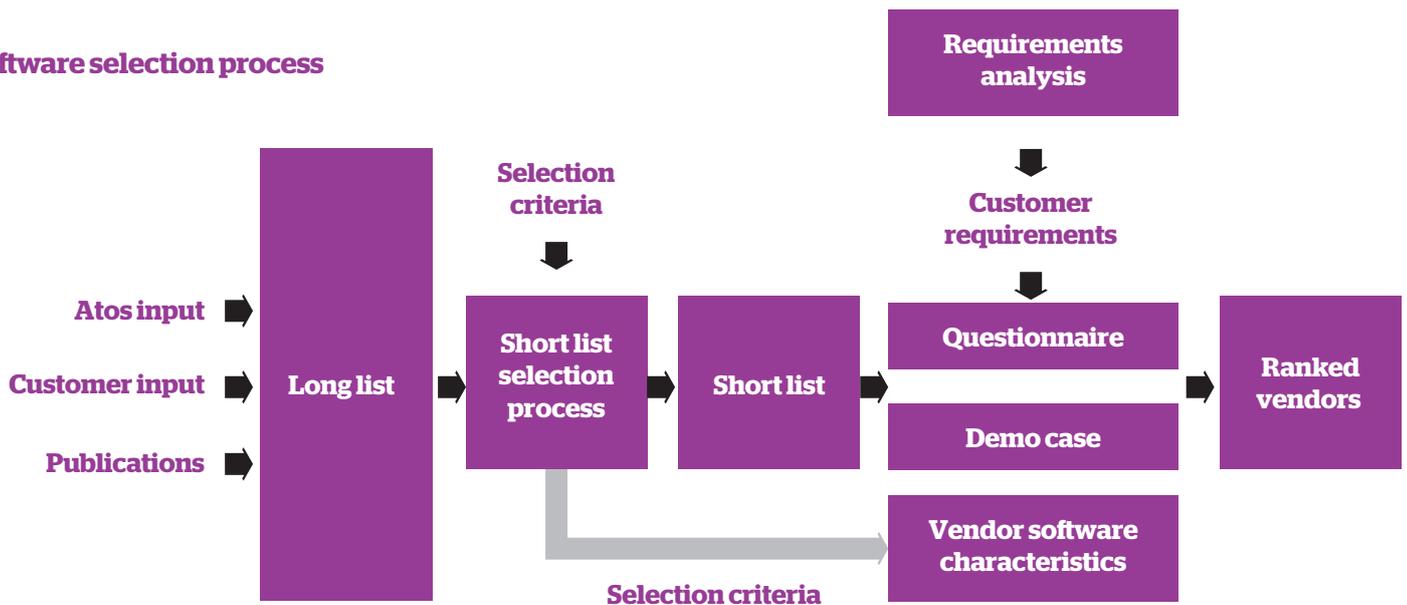
and how much time and effort is required to implement them.

We create a RFI for vendors, with a demo case scenario to test the feasibility of each short-listed solution. Together, we evaluate the vendors' responses, and produce a final report with recommendations for decision makers.

If you are interested in MES software selection, we can show you how our service has helped hundreds of our customers achieve major benefits from the MES solutions we helped to select.

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Software selection process