**ATS MES Excellence Centres**

# ATS Briefing Sheet Carlsberg MES Project

*"Delivering a Manufacturing Execution System to improve Productivity and Quality at 15 European Breweries"*
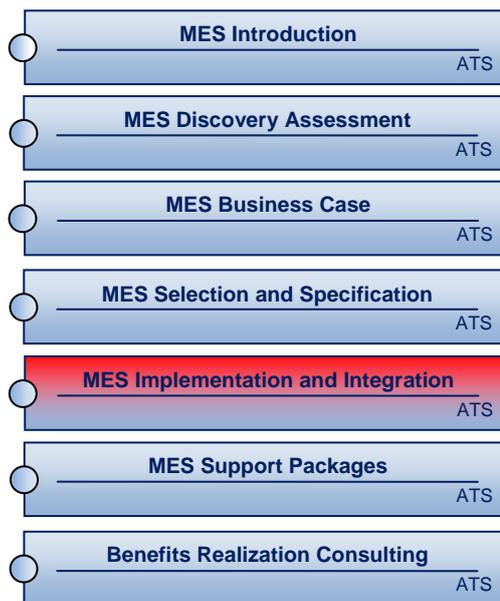
*Brief Dated 2 June 2008*

Carlsberg Breweries, headquartered in Copenhagen Denmark initiated a supply chain management improvement process with a best practice program in 2006. Through this process the Group Supply Chain (responsible for production) began to realize that a significant improvement in productivity and quality could be achieved by combining Lean / Six Sigma initiatives with Manufacturing Execution Systems.

ATS International was then appointed as a "sparring partner" for Carlsberg and a journey was started which has resulted in the implementation of Simatic IT across 15 breweries in Europe.

The process followed to date:

| MES Introduction |
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| MES Discovery Assessment |
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| MES Business Case |
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| MES Selection and Specification |
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| MES Implementation and Integration |
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| MES Support Packages |
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| Benefits Realization Consulting |
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| ATS |

Following an introduction of ATS, the discovery assessment and the development of the business case there followed an intensive product selection phase including:

- Statement of Requirements
- Request for Proposal
- Reference Site Visits
- Conference Room Pilots
- Negotiations
- Selection of **SIMATIC$^©$ IT**

The implementation includes a global Carlsberg MES Blueprint, Functional Design Specification followed by local installations with connections to Level 4 (SAP) and Level 2 (Control) and follows the S95 (Level 3) model as closely as possible.

The implementation involves Simatic IT Production Suite, OEE/SPC and will eventually include the Unilab quality system.

The system utilizes the Cross Industry Library and the Brewing Industry Library developed by Siemens Genoa to create a standardized approach with strict adherence to the S95 model. ATS consultants and software developers are assisting with the development of libraries for Carlsberg specific requirements.

ATS has full project delivery responsibility and is strongly backed by the Simatic IT development teams in Belgium and Italy. ATS is a Simatic IT Global Implementation/Solutions Partner.

The Carlsberg Brewery in Northampton, UK is the first brewery to benefit from the new Simatic IT MES layer.

*The Independent Solution Provider for Industrial and Process Automation & IT*