



## ORBIS Enterprise Manufacturing Intelligence

***“More than 80% of the Brewing companies are wasting money because they don’t have the appropriate information systems. The Brewing sector is an industry that has performed for many years by having knowledgeable people relied upon to make key operating decisions based on experience. “***

The above statistic is shocking. As much as 20% of operating costs could be avoided by taking the appropriate operating decisions. But these decisions are difficult to evaluate without the proper decision support tools. The problem is that existing systems including MES, LIMS and ERP systems generate lots of data none of which is interrelated so that we resort to a multiplicity of spreadsheets and manual methods to plug the gap and at the same time we do not want to invest in yet another system.

Enterprise Manufacturing Intelligence (EMI) provides the answer. EMI works by building on existing systems and spreadsheets to collect manufacturing-related data for the purposes of reporting, analysis, and visual performance management. So data is combined from multiple sources and given a new context to enable users to find what they need regardless of its origin. The primary goal is to turn large amounts of manufacturing data into real knowledge and drive business results based on that knowledge for a fraction of the cost of the originating system.

Orbis EMI provides Breweries with the means to control and minimize costs while improving customer service by reducing energy and environmental costs, minimizing beer losses and maximizing process capability. EMI provides proactive performance management based on a “*Perfect Plant-Brewing*” Performance model. Analysis Tools include KPI Scorecard, Track & Trace, Quality Monitor, Stocks Monitor, Mass Balance, OEE Monitor and Utilities Monitor.

What’s different about this system is that it was developed by Brewers for Breweries with the following proven, repeatable results:

- Reduce OPEX by 4-10%
- Reduce Utilities usage by 10%
- Increase capacity by 8%
- Reduce cost of Quality by 5-10%
- Reduce stocks by 5-10%

Orbis has brought over 100 Man Years of experience of brewing solutions into our EMI product and we are confident of providing measurable benefits for any brewery of any size.