



Manufacturing Intelligence Digest

What is Manufacturing Intelligence (MI) & why is it important?

Manufacturing Intelligence (MI) is a term which applies to products and methods used to provide companies with real-time visibility into their manufacturing performance. The MI services team brings large amounts of manufacturing data together from multiple sources and uses analytical and visualization tools to deliver the right data; to the right people; at the right time.

This data transformation creates intelligence out of information from your best-of-breed systems, which can then be used to help drive strategic business results. Leveraging visualization tools and reporting capability, our MI services team can further assist you in communicating that actionable intelligence throughout the enterprise – changing the culture of your manufacturing organization.

[Refer a colleague and be eligible for our quarterly referral drawing!](#)

LINE	OEE	SHIFT OEE	SHIFT D/T	RUN RATE	MAXT RATE	ORDER CASE CT
A	60.2	02:42	91	105	787	
B	87.3	00:40	122	125	12,021	
C	54.5	00:51	39	55	292	
D	72.1	00:55	88	100	2,783	
E	76.4	01:02	116	123	6,071	
F	63.7	01:58	78	85	227	



Industrial Network Systems

INS was started 21 years ago solely to supply customers with scalable factory automation solutions that deliver increased productivity and ROI from manufacturing and throughout the enterprise. Our focus is on providing solutions that collect, distribute, control and provide visualization of information from any plant floor system.

To learn how INS can help you, [click here](#).

Visit our Manufacturing Intelligence group

www.insmig.com

Check out our Product site

www.ins3.com



What is OEE & Why Is It Important?

Have you ever driven a car with a speedometer that didn't work? Imagine for a moment that you couldn't tell how fast (or slow) you were going. A factory without a display of production metrics is like a car without a speedometer! You might know where you're going, but you have no idea when you'll get there.

Timeliness is critical too. OEE information in tomorrow's report is not nearly as useful as instantaneous reporting of OEE metrics in real-time. Real-time display of production metrics enables your operators and maintenance personnel to quickly respond to issues that would otherwise disrupt and reduce your plant's productivity. Visual metrics serve as a gauge when making adjustments that lead to incremental improvements, and provide real-time right-now incentive to everyone on the plant floor. Sign up for our OEE Insight series. Complete the program and be eligible for a pilot OEE system at your plant!

[Click here to subscribe.](#)

Data Analytics & Intelligent Historians

Major Wine & Spirits Producer – Case Study

This particular example involves the largest wine and spirits producer in the world. Their main winery facility has 650 storage tanks each capable of storing 3,000 gallons. The winery's crush (juice produced after crushing the grapes) goes into these large holding tanks. Each tank may hold a different variety of grape crush, which allows the winery to then blend them to create specific types of wine by moving that crush from tank to tank. This process is very complex considering the volume of production at the facility.

Grapes are a commodity. Like any commodity, the higher the demand for grapes, the higher the cost. As winemakers throughout the region reach capacity in their own crush tanks, they stop buying grapes. As the number of winemakers able to accept the grapes declines, so does the cost of grapes.

Originally, the producer had no visibility into how full their crush tanks were at any given time. Industrial Network Systems provided them that visibility by installing levels and providing management with dashboards to track the level of each tank. Each manager now uses their dashboard every morning to identify issues and bottlenecks to focus on. That was a culture change in management – every manager now contributes to continuously improving the process.

This new visibility allowed them to optimize the fill of their crush tanks by flushing them as soon as they reached capacity. In turn, the company was able to purchase more grapes after the peak of the demand and after the prices had dropped significantly. This provided the producer higher margins in the process.

In fact, in the two years following the implementation of the new visualization techniques, the winery had their two largest crush yields in history.

[Register for our upcoming webinar on April xx to learn more about our customer successes and what INS's Manufacturing Intelligence Group can do for you.](#)