



MANUFACTURING

TECH INSIGHTS

JANUARY - 2017

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TOP 10 MANUFACTURING CONSULTING PROVIDERS 2017

In today's global manufacturing arena, maintaining high quality and low cost is vital for running a successful manufacturing enterprise. While new and innovative manufacturing capabilities are being widely incorporated into enterprises to improve their performance and productivity, most of these enterprises do not have the capacity or expertise to capitalize on opportunities. Here, manufacturing consulting solutions and services will assist organizations in implementing the change initiatives to achieve manufacturing excellence.

The manufacturing consulting professionals work with clients to analyze their problems and recommend the best course of action for a given initiative—significantly saving time, effort, and money for the organization. Furthermore, these providers have deep expertise in multiple systems including ERP and BPM, alongside cloud and big data

to assist manufacturing leaders execute operations at peak efficiency, minimize the total cost of ownership and maximize return on investment.

In this edition of Manufacturing Tech Insights, we bring to you “Top 10 Manufacturing Consulting Providers 2017,” featuring the best solution and consulting providers offering solutions and services to the manufacturing industry. The companies listed here showcase extensive business knowledge and innovative strategies combined with talent base across locations.

A distinguished panel comprising of CEOs, CIOs, VCs, analysts and the Manufacturing Tech Insights’ editorial board has selected top players from over thousand companies. The listing provides a look into how these consulting companies can help you optimize your process while giving a competitive advantage in the market.

RTS Consulting - Automation

recognized by  magazine as

TOP 10
CONSULTING
PROVIDERS - 2017

The annual listing of 10 companies that are at the forefront of providing manufacturing consulting solutions and impacting the marketplace

Company:
RTS Consulting-
Automation,

Description:
RTS's unique value proposition is our ability to provide complete turnkey SAP MES solutions, right to the shop floor assets

Key Person:
Vic Briccardi, President
and CEO

Website:
rtsperfectplant.com

RTS Consulting-Automation Shop Floor to Top Floor MES for the Digital Manufacturing Enterprise

“It’s all about the ‘Digital Enterprise’ these days,” says Vic Briccardi, President and CEO, RTS Consulting-Automation. “Founded in 1992, we started our journey providing shop floor electrical control system engineering services to automate discrete and process manufacturing applications.” In 2007, RTS became an SAP Partner (and Co-Innovation Partner) specializing in manufacturing execution systems (MES).

The “Digital Enterprise” transformation today is fostered by various technologies bridging the IT/OT landscape from IOT, Big Data, and Analytics along with Digital Twinning. In a truly digital manufacturing world, a typical shop floor is inundated with the influx of data, in a myriad of formats, generated by multifarious devices and equipment. For these manufacturing enterprises, there is significant value in unlocking hidden functionality from the data. The lack of an MES system to provide immediate and accurate prescriptive actionable intelligence can take a huge toll on productivity, pushing shop floors into operational instability. “This is where our ability to collect shop floor data directly from PLCs, SCADA systems, historians, and all shop floor assets is making a breakthrough for manufacturers,” notes Briccardi. To that end, RTS has developed eZconnect—a patent-pending software solution innovation that delivers a standardized, easily supportable data messaging format for all shop floor assets.

“The eZconnect solution provides a one-time asset

deployment feature that enables access to all production data parameters,” explains Briccardi. With eZconnect, RTS’s customers gain unlimited access to production data enabling minimal, or no operator data entry requirements. In the golden age of the digital



CONSULTING - AUTOMATION

universe, RTS’s eZconnect allows full play of technologies such as big data, analytics, and digital twinning that are making their steadfast presence felt across the industry.

“IoT is also making shop-floor monitoring less expensive with easy access to data,” states Briccardi. In a similar vein, storage costs are also continuously falling, facilitating inexpensive storage of large amounts of data. “The insights derived from such datasets can be a gold mine of operational and manufacturing process improvements bound to minimize downtime and enhance productivity. Finally, digital twinning, which replaces physical manufacturing models with virtual structures will be the winning wager for higher reliability and optimum performance,” affirms Briccardi.

In times of such rapid transformation, RTS’s approach toward MES for the most part, begins with aligning business goals with

shop floor actionable intelligence. “We start with the executive question of ‘what determines if a plant is successful or not?’” points out Briccardi. From there, the crucial overall plant performance KPIs are broken down to area/department specific metrics and targets which are presented in real time to the shop floor.

“eZconnect is a patent pending software solution innovation that delivers a standardized data messaging format for all shop floor assets

RTS has also developed Andon display software for plant or manufacturing area performance visualization, which provides an intelligent and dynamic annunciation tool with multiple layers of prioritized announcements, depending on production impact. “With the visibility of granular production data, only when needed, our client had increased yields and optimized operator engagement with their production cells,” adds Briccardi. To top it off, RTS has deployed an Andon dashboard that provides management with visibility to plant performance and shop floors across the globe.

“From refining uranium to making cookies, the RTS team has covered the ground of industry experience in the manufacturing sector,” delineates Briccardi. With vested interest in current, game-changing technologies such as IOT, Big Data/Analytics and Digital Twinning, RTS is well positioned to help manufacturers embrace the Digital Enterprise, through its robust manufacturing solutions and services. **MT**



Vic Briccardi