



## INDUSTRY 4.0: WHY EVERY MANUFACTURER MUST GET INVOLVED IN THE 4TH INDUSTRIAL REVOLUTION

In December of 2017, my blog titled “A New Industrial Revolution is Already Underway” spoke about Smart Manufacturing and Manufacturers need for speed! If you were not listening, then it is even more important now to understand why every manufacturer must get involved in the 4th Industrial Revolution. ***Your ability to compete and be successful may depend upon it!***

The new industrial revolution, or what some call Industry 4.0, is fundamentally different from all previous industrial revolutions. Prior revolutions were mainly driven by advances in technology. Industry 1.0 introduced steam and the first machines that mechanized some of the work. This gave way to electricity, the assembly line and the birth of mass production. Industry 3.0 came about with the advent of computers and the beginnings of automation.

Industry 4.0 is an industrial revolution in which the computers and automation of industry 3.0 will come together in an entirely new way. The ability to connect these computers and automation with robotics and then connect them remotely to computer systems equipped with machine learning algorithms are changing the game. These advanced machine learning algorithms can learn and control the robotics and even make proactive corrections with little to no input from human operators. This provides the manufacturers with an ability to optimize their operations quickly and efficiently.

These new “intelligent” advancements will impact all disciplines, economies and industries. The health and safety of human workers could improve dramatically. Supply chains should be more readily controlled when there is data at every level of the manufacturing and delivery process. Computer control will produce more reliable and consistent productivity and output. And the results for many businesses will be increased revenues, market share, and profits.

The future is happening around us now. Early adopters will likely be rewarded and those who avoid change will risk being left behind. If you have not begun to question everything around you and rethink traditional strategies and business models you will likely find yourself at the back of the pack.

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