

## \* Artificial Intelligence - Case Study - 2

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### 4<sup>th</sup> Industrial Revolution Using AI Big Data and Robots

#### \* How is AI driving the New Industrial Revolution-

AI Adoption is growing faster than many had predicted. Research from a recent Global AI Survey by mashing consult and commissioned by IBM indicates that 34% of businesses surged across the US, Europe and China have adopted AI.

That number far exceeds estimated from market watchers last year, Which put adoption rates in the low teens and the examples of AI at work in the business world are vast and varied. For example a major European bank was able to reduce costs while enhancing productivity at its customer call center with an AI powered virtual assistant. All healthcare providers in the mid west used AI to create a program that could help it better predict which patients were most likely to develop sepsis.



## ★ How Big Data is driving the New Industrial Revolution -

Britain's manufacturing sector has just posted its strongest growth in over 2 years - Latest figures show that export orders have increased at their fastest rate since January 2014, and factories have also taken on more workers with employment rising for the second consecutive month. However the export benefits of a weakened pound will not last forever and so as the manufacturing sector continues to evolve, this year FT future of manufacturing summit looked at how big data analytics, advanced robotics, the IOT and additive manufacturing are shaping the economic of production and distribution within the sector.

## ★ How the Robots are driving the New Industrial Revolution -

In 2019, a business intelligence report, "Robotics Innovation 2 Implementation, from PMMI. The Association for packaging and processing technologies proclaimed."

Packages grappling with mass customization a shortage of labor (particularly skilled labor) more rigorous food safety standards, greater competition are turning to robots to address these challenges, and robotics suppliers are responding with innovations in hygienic features, vision systems and ease of programming as well as more palatable price point and greater flexibility.