



## Key Technology Trends for 2019

As we move into 2019, technology is becoming more and more the driving force behind business strategies and market innovations. This year we anticipate these key technologies to go from “new and trendy” to “proven business differentiators”. With this in mind, let’s look at the key technology trends that will be worth your attention in 2019.

These key trends are focused around four main concepts. These concepts are focused on driving the seamless integration of the digital and physical worlds. They deliver exceptional capabilities in solving “real” business pain points and doing it in a manner that results in an “easy to use” solution and experience. The “ease of use” is key for adoption which enables a company to quickly integrate these technologies into the main activities and deliverables of the business community.

The **four** main concepts are:

### **1. Converting Business Data to Business Information for Decision Making using Machine Learning**

A key differentiator for businesses, is the ability to make key business decisions correctly, as quickly as possible. To be able to do this, adding machine learning capability that can take real time data and guide a business user on what is the correct decision provides a game changing opportunity. The key to success is an organization’s ability to integrate real time data and the context of the decision that needs to be made. The foundation of this information is gathered within an organization’s Product Lifecycle Management (PLM) and Internet of Things (IoT) solutions.

***Integrated PLM plus IoT Solutions with Machine Learning = Game Changing Opportunity!***

### **2. Edge Computing is key to delivering IoT Connected Operations and Products**

As IoT has become a pivotal focus within companies, both from a connected product and connected operations standpoint, the need to localize the computing power is key to driving the speed and reliability needed for a true business solution. The acquisition and computing of this information in real time and providing the business logic to drive business actions requires this to occur on the edge, or locally to the environment. However, we do need to mention that we believe that you will need both - the edge and the cloud to provide a holistic IoT solution.

***Edge Computing puts the real time factor into IoT solutions!***

### **3. Augmented Reality is improving Customer Support and Provides Better Training**

In 2019, Augmented Reality (AR) is the technology of choice for business versus Virtual Reality (VR). Augmented reality has found a multitude of use cases allowing this technology to solve real business problems. Providing key information, be it in a textual or graphical manner, while employees are executing business activities such as: training or servicing, makes a quantifiable business impact to quality delivery. In today’s workplace environment, which encompasses low employee retention and an aging workforce, the need to capture knowledge and provide it in an easily understood and consumable manner to the new generational workforce, is the key to efficient training and enhanced customer support.

***Augmented Reality is the technology of choice to enhance business performance!***

### **4. Autonomous Devices working seamless with employees drives efficiency**

In business, autonomous things are utilized to perform tasks traditionally performed by human beings. All autonomous things use AI to interact more naturally with humans and their work environments. They all operate with varying degrees of capability and intelligence. Today, they are more collaborative with their business environment and personnel to the point, that they have become a solid basis to drive business efficiency. Keep in mind for best results, they need to be utilized for the appropriate function and process. Autonomous devices still do not have the same capability as a human when it comes to decision making.

***Autonomous devices integrated with humans and their work environment provide an optimal workforce!***

With our experience and expertise, we can help your organization embed these key technologies into your business for success in 2019!

Give us a call or email us, if you’d like to integrate key technology trends into your business operations!

## Next Month: Improved Business Efficiency - Integrated PLM & ERP

