

2021

Industry 4.0 trends



1. AR / VR and XR Extended Reality

With the tendency to reduce human-machine interactions, emerging realities, such as Augmented Reality (AR), Virtual Reality (VR) and Mixed Reality (MR) are increasing its popularity. Extended Reality, the umbrella word for the all, has also been accelerated by the Covid-19, causing an industrial race to digitalization.



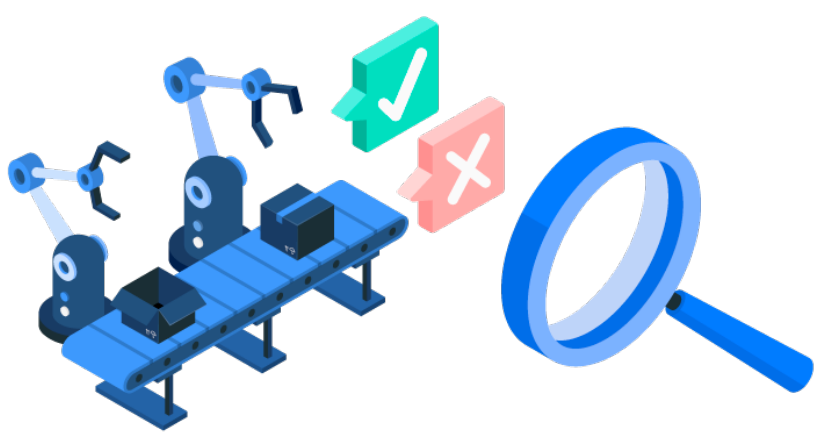
2. Employees and process connected

The Industry 4.0 shift is changing the jobs. Teams are now able to work remotely, accessing real-time data for both execution and decisions. Technology is connecting people around the world, evaluating products, processes' design, to ensure the best combination for a more efficient workplace environment.



3. IoT, IIoT and IoE

IoT is one of the Industrial Revolution top innovations. Automotive leaders are betting on IoT, IIoT and IoE, to ensure more data, for more informed decisions. IoE (Inernet of everything) will provide businesses with data from human, machines and process to support a rich continuous improvement policy.



4. Technology maintenance

New technologies are able to maintain themselves, and, this is becoming more and more the new reality. Smart technologies allow data collection from all machines. This provides a closer track of processes, which enables to predict behaviors, predictive maintenance, and avoiding breakdowns during execution.



5. Cloud Technology

It is becoming more and more important to access data in real-time, and ensuring its secure storage. Cloud technologies allow all of them, in one place, removing work from the company itself. Therefore, and with emerging cloud services, it will become easier to access real-time data and make better decisions.