

Quality control in production lines

Artificial intelligence boosts performance



#1 A challenge for factories

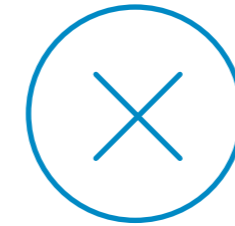
Quality control is a key step in the production process to ensure the quality and final cost of the products manufactured. For manufacturers, it is also a question of reputation, customer loyalty, and development. The reliability of these processes must be beyond reproach.

Zero defect target

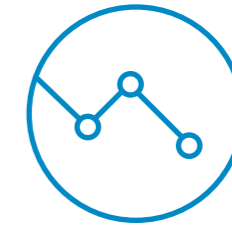


#2 A performance objective

The detection of defects is an important and complex operation. Often carried out by the human eye, it requires time and resources, with no guarantee of reliability.



Reliability



Profitability

#3 A complete solution

To improve quality control, ATOS brings innovation with Edge Computer Vision, an artificial intelligence solution based on edge computing.

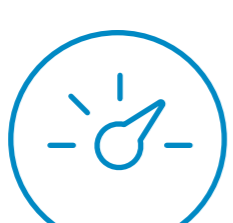


On the production line, smart cameras scan the product in 360° simultaneously, and process up to 1 GB of data per minute.

BullSequana Edge

The Atos BullSequana Edge server collects, sorts and stores the video stream.

This is the only system currently capable of processing this volume of data, in real time, and continuously.



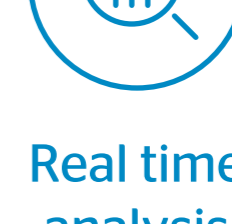
22x faster than human analysis



100% reliable



Active 24/7



Real time analysis

Atos Edge Computer Vision's deep learning algorithms detect defects

(in paint, welding, format, colour, etc.) in real time. They function in the development software of the Edge Computer Vision solution.



#4 100% self-contained on-site installation

Atos BullSequana Edge operates in a non-data centre environment. It can be installed as close as possible to the IoT data generated in order to improve security and reduce data transfer latency.

#5 A technological revolution in Edge Computing

capable of responding to plant growth needs with the Edge Computer Vision solution based on BullSequana Edge.

- Shorten product control times
- Increase the reliability of quality control
- Securely analyse data near IoT sources
- Optimise quality control costs
- Promote local decision-making and team autonomy



Functional in all types of environments



Can be controlled locally and remotely

Together, let's meet new challenges

Contact our BullSequana Edge experts [Atos.net](https://atos.net)