



THE CERTAINTY OF A WINNING CHOICE

Automha offers its clients the Simulation and Virtual Commissioning service of their plant, meaning the virtual reproduction of its physical behavior via a simulation software.

The 3D Simulation is a video render of the plant, and the virtual commissioning allows eliminating errors in a digital and virtual environment.

It streamlines the process of managing products, mainly those created custom, however it can also be applied to series products.

The use of Virtual Commissioning on custom products became necessary when receiving an ad hoc client request and not having the ability to project an accurate working timeline due to multiple production variables.

Thanks to the virtual approach, it facilitates many processes: adjusting during the creation of the product, testing it and being able to verify if it is truly effective, efficient and economic.

The idea is to connect a digital model to a real system directly with effective control (hardware in the loop).

Thanks to this approach, a simulation model of the plant is created that the client can analyze and understand even before the plant is installed, guaranteeing an optimal functioning and achievement of the requested cycles.

Virtual commissioning enables the simulation of mechanic and electronic controls, so the model of this process is like a digital alter-ego. On this digital twin, analyses can be conducted and considerations made, which would be difficult to do once the real system was functioning and could become costly.

SOFTWARE

SYM.

EXAMPLES

