



KEY SERVICE:  
**VIRTUAL COMMISSIONING**

## WHAT IS VIRTUAL COMMISSIONING?

Virtual commissioning is the testing, verification, and validation of automation control systems by using a digital model of the automation equipment and plant. HSSMI virtually replicate and validate the mechanical model, electrical model and automation model of the machine.

The virtual commissioning model is a combination of different simulation models:

- ▶ Automation model - Logic of the PLC program and visualisation.
- ▶ Electrical model and behavior pattern - Active components and behavior of peripherals.
- ▶ Physical and kinematic model - Mechanical components.

## WHY HSSMI?

HSSMI can support your business to develop virtual commissioned models of your process equipment to achieve early verification of key functional behaviours based on PLC programme. Resulting in a reduced time for installation, Reduction of rework during launch, Remote sign-off and operator training. Overall VC will enable a reduction in cost and time.

## HOW HSSMI CAN HELP

Virtual commissioning for machine builders leads to faster time-to-market, reduced error costs and risks .

These are some of the advantages of Virtual Commissioning that HSSMI can support with:



Reduced time-to-market thanks to parallelization of mechanical and automation engineering.



Reduced error costs as errors in an early development stage.



Reduced risk and time for real commissioning.



Evaluation of machine modifications during operation.