



## ***TOTAL INTEGRATION OF ROBOTS IN AUTOMATION***



**KUKA**



**voltec**  
Industrial automation



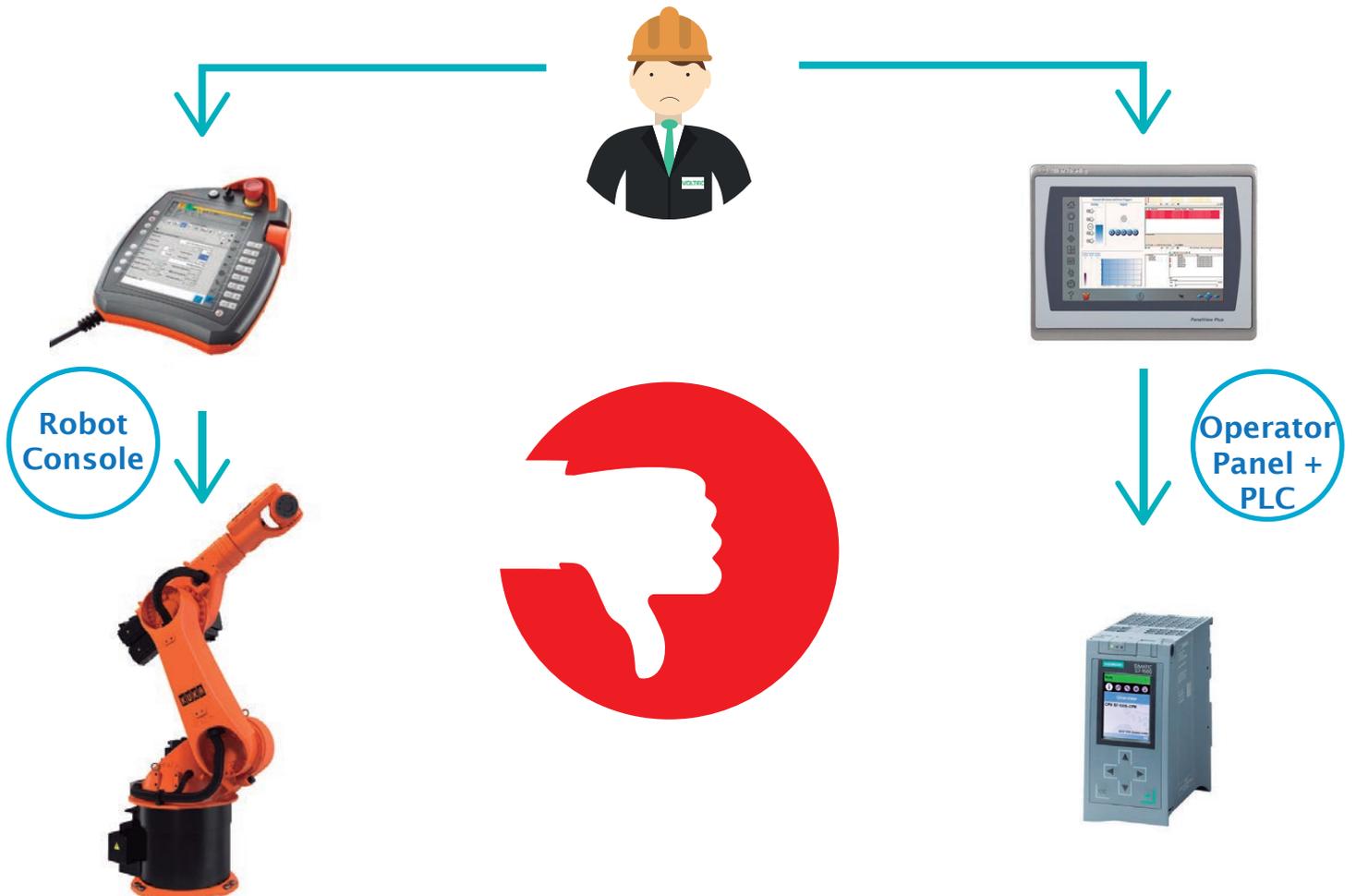
# Total Integration of Robots in Automation

## TRADITIONAL IMPLANTATION of robots

With the traditional implementation system, the operator-machine integration is minimal; the operator needs to interact with two different systems: PLC-HMI and Robot. However, operators do not have the capacity to operate the robot and maintenance personnel need specific training in robots to be able to operate the robot.

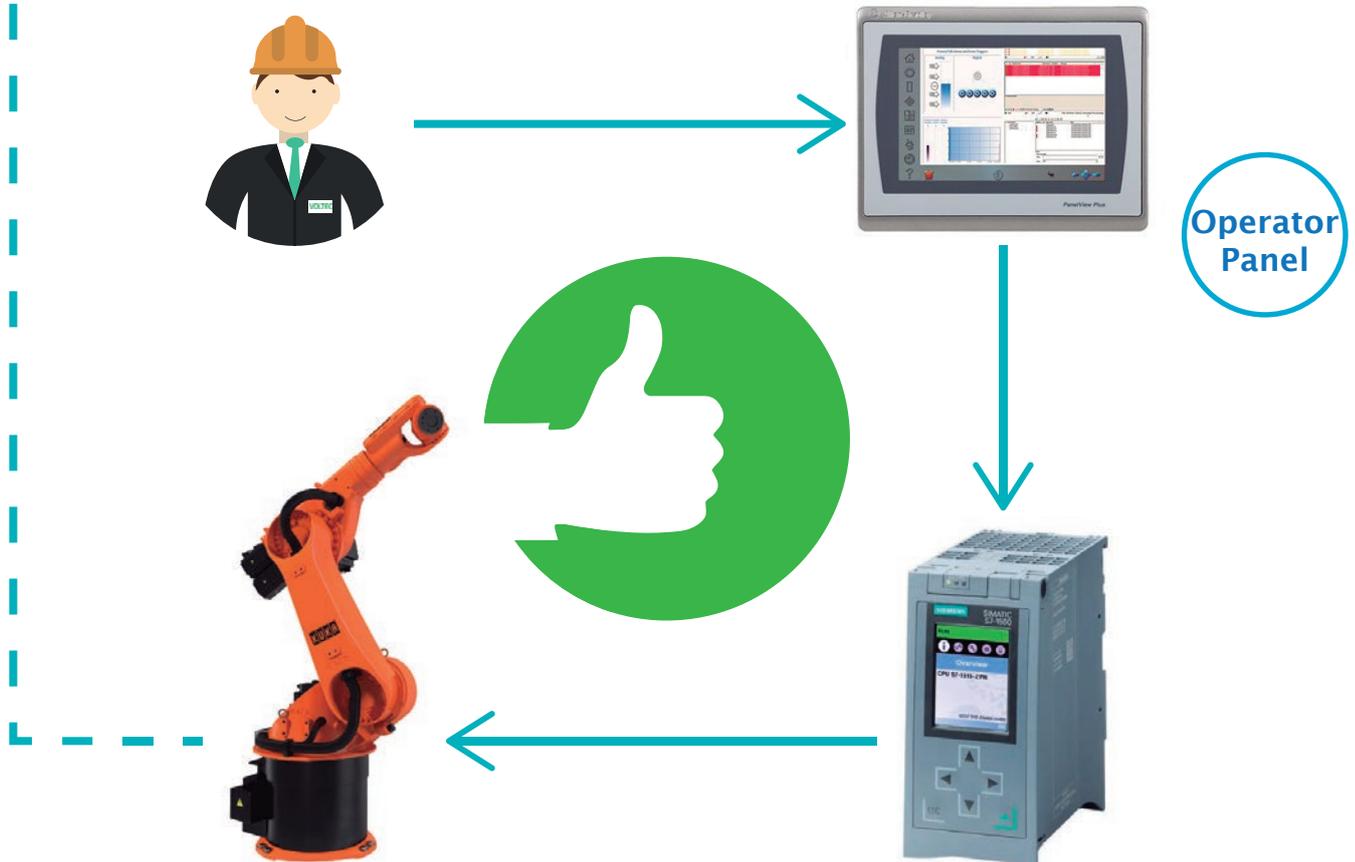
The robot performs its functions autonomously and independently of the rest of the installation.

The operator has two independent and unfriendly systems to operate.



# Total Integration of Robots in Automation

100% integrated application of VOLTEC. The robot becomes another element of the application along with the other actuators, belts ... and the operator has a single interface to operate.



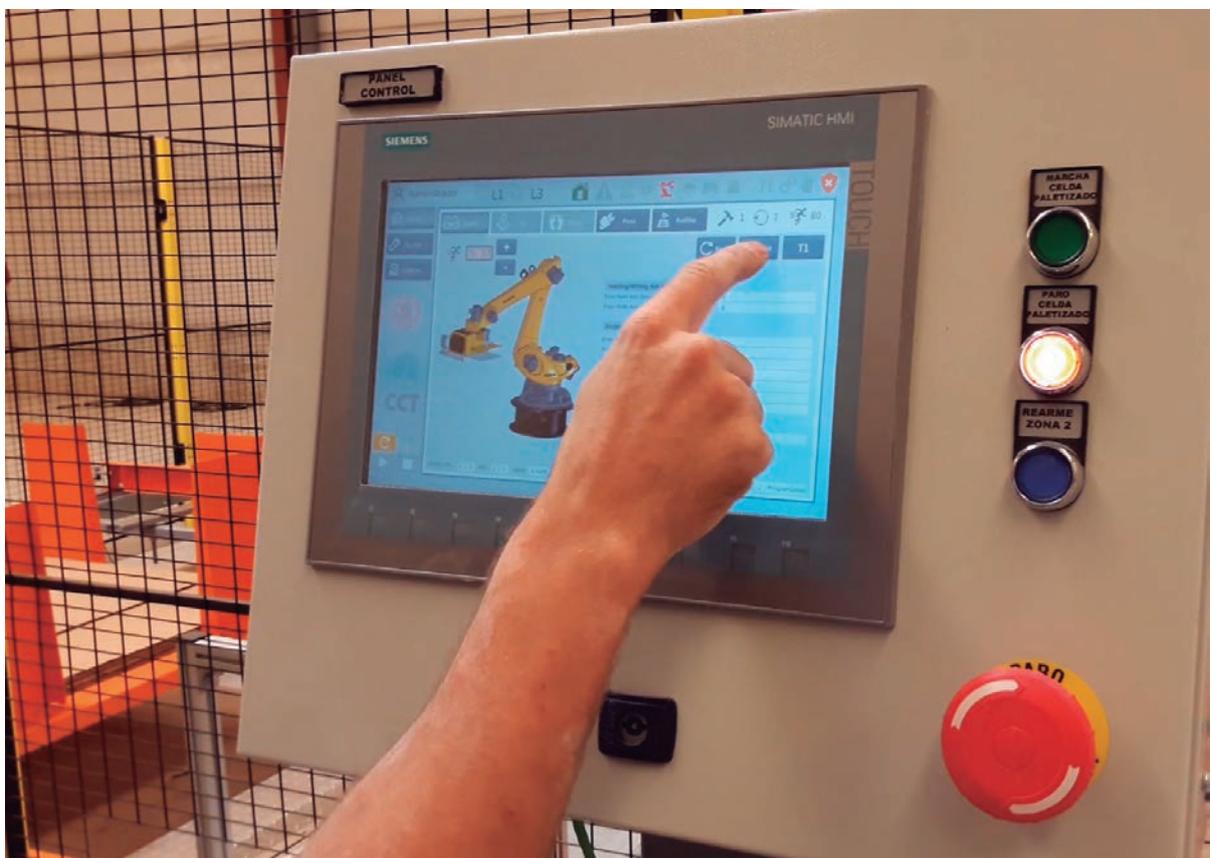
## ADVANTAGES

- ✓ A unique and operator friendly graphical interface.
- ✓ It is not necessary to have specific knowledge of robots to operate and maintain the machine.
- ✓ The robot console can be removed as all robot operation, including manual jogging, can be performed from the application HMI.
- ✓ With a short training, VOLTEC qualified users can make program modifications that improve application performance.
- ✓ Extension of robot parameter management to qualified users.
- ✓ Diagnosis in the same application. Robot status diagnostics are also visible and manageable from the operator HMI.

# Total Integration of Robots in Automation

## BENEFITS: Savings in labour costs

- Savings in specific training in robotics for operation and maintenance staff.
- A single operator and station for the control of the machine and the robot.
- The customer is more self-sufficient to make changes and improvements in the installation without external help.



## BENEFITS: Increased machine efficiency and OEE

- Reduction of machine stoppages and their effective time.
- Greater simplicity of operations.
- Easier diagnosis in a single interface.



***voltec.es***



C/ Empresari Josep Segura i Farré, P-729 N-5  
Pol. Ind. El Segre · 25191 LLEIDA  
+0034 973 184 052 · [voltec@voltec.es](mailto:voltec@voltec.es)