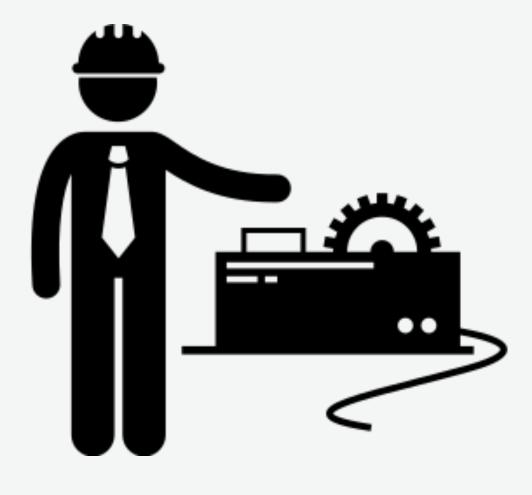
CASE

ASSEMBLY CELL AUTOMATION AND INTEGRATION WITH INDUSTRIAL ROBOT Automatic



Automotive sector

MAIN BENEFITS OBTAINED



with the integration of new equipment

Better workplace ergonomics

Production line optimization and improvement

CLIENT

Automative manufacturer in Sao Paulo, Brazil.



2020

CLIENT AND CONTEXT

PROCESS

cell of heavy Assembly truck transmissions, originally configured with two press machines.



NEEDS AND CHALLENGES

AUTOMATION FOR NEW PRODUCT AND PRODUCTION INCREASE

Integration of new conveyor system, press machine, industrial robot and

vision system.

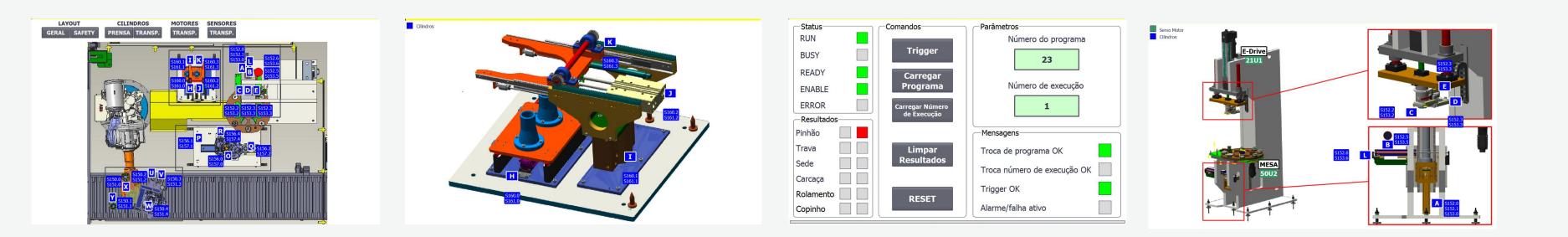


CHALLENGES

PLC programming of production automatic sequences using GRAFCET. Integration and safety interlocks with robot, press machine, conveyor, vision system, barcode scanner and safety sensors.

SOLUTIONS DELIVERED

- NEW PLC AND HMI PROGRAMMING WITH PROFINET COMMUNICATION
- PROGRAMMING OF EXISTING PLC'S TO INCLUDE THE NEW PRODUCT
- VISION SYSTEM CONFIGURATION
- TESTS & COMMISSIONING

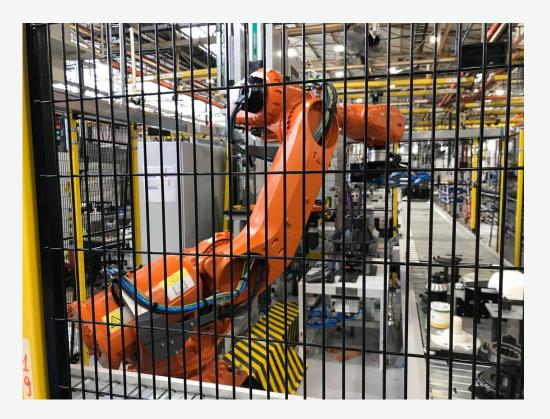


MMUNICATION EW PRODUCT



SIEMENS PLC AND HMI PROGRAMS, TESTED AND COMMISSIONED

SOFTWARE DOCUMENTATION



Technologies & brands

- Siemens PLC and HMI programmed on TIA Portal
- PLC integration with:
 - IO-Link Murrelektronik systems
 - Festo servomotors
 - ABB robot
 - TOX Pressotechnik press machine
 - Keyence vision system
 - Siemens safety hardware





LOCATION

WHATSAPP

E-MAIL

Itajai, Brazil

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Please contact us to receive other cases that may be applied to your challenge.

DRIVEN BY CHALLENGES. WHAT'S YOURS?

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