Alvaro Persichini

MECHANICAL ENGINEER (UNR)

Background in the automotive industry, with experience in body shop and assembly lines. 3D design using CATIA V5, including, simulations, and technical documentation for manufacturing processes.

Hands-on involvement in process studies, station improvements, and production ramp-up, working with cross-functional engineering teams in the USA, France, Brazil, and Argentina. I combine engineering and programming to deliver practical and results-oriented solutions.

LinkedIn: www.linkedin.com/in/alvaropersichini

Work Experience

OSIRIUS GROUP LLC
11 yrs 9 mos.

Manufacturing Engineer Supporting multiple conventional and electric vehicle programs. Involved in series production activities, workstation optimization, and vehicle industrialization across different programs.

CATIA V5 (.NET Framework): parametric 3D/2D modeling, large assembly management, kinematic simulations, ergonomic analysis, interference checks, and welding feasibility studies.

Technical Documentation & PLM: EBOM & BOM, process sheets, work instructions, maintenance manuals, manufacturing documents for industrial processes in accordance with OEM standards.

Welding and Assembly Tooling: Integrated with the design team for welding and assembly fixtures for sheet metal and chassis parts across multiple automotive programs.

Hands-on CAM & CNC Programming: G-code generation using CAMWorks post-processors for plastic components in special-purpose machinery

Plant Layout & Intralogistics: Led AGV/AMR studies, optimized plant layouts, analyzed material flows, and defined buffer sizing and transfer strategies.

GENERAL MOTORS
2012 – 2014 (2 yrs)

Developed technical maintenance documentation for equipment supplier bidding processes. Conducted maintenance studies for the Paint Shop area. Proposed improvement initiatives for cockpit devices and conveyor systems in the General Assembly area.

Education

- Mechanical Engineer (UNR)
- Software Technician (UTN)
- English B2

Skills and technical tools

- CATIA V5 Automation, SolidWorks, NX, CAMWorks.NET Framework / VB.NET, VBA
- HTML / CSS / JS Python / Flask / Node.js / mySQL