

# Master Thesis Project: Automated Machine Integration Framework - Solution Development Center

## Your tasks

Rolling out a project across multiple machines has consistently been one of the biggest post-development challenges.

A lack of shared understanding of the project, limited knowledge of the solution, isolated decision-making, and self-focused approaches are just a few factors that can turn every machine into a separate pilot, making long-term maintenance difficult.

This project aims to address these issues by collecting the minimum required data from each specific machine and automatically generating the most relevant integration codes and supporting materials.

To simplify and standardize the deployment of a project across multiple machines by minimizing manual effort and inconsistencies

## Your profile

- Training Area in Information Technology, Industrial Automation or similar;
- Good knowledge of: IT, C#, ASP.NET Core, .NET Core, React, UI/UX, GIT;
- Knowledge in: PLC, OPC, UA (plus).

## Our offer

Our offer:

- Integration in a challenging and international work environment;
- Collaborative working style;
- Learning opportunities for professional development.

We are committed to fostering a workplace where everyone feels safe, respected, and valued. All kind of applications are welcome.

Please note:

- Mandatory to be studying in a Portuguese University, ready to start Master Thesis Project.
- To initiate on the 2nd Semester of 2025-2026.

Ready to drive with Continental? Take the first step and fill in the online application.

## About us

Continental is a leading tire manufacturer and industry specialist.



Job ID  
**REF90794G**

Field of work  
**Engineering**

Location  
**Lousado**

Legal Entity  
**Continental Solution Center  
Portugal, Unipessoal, LDA.**

Founded in 1871, the company generated sales of €39.7 billion in 2024 and currently employs around 95,000 people in 54 countries and markets.

Tire solutions from the Tires group sector make mobility safer, smarter, and more sustainable. Its premium portfolio encompasses car, truck, bus, two-wheel, and specialty tires as well as smart solutions and services for fleets and tire retailers. Continental has been delivering top performance for more than 150 years and is one of the world's largest tire manufacturers. In fiscal 2024, the Tires group sector generated sales of 13.9 billion euros. Continental's tire division employs more than 57,000 people worldwide and has 20 production and 16 development sites.