

Automation & Data Engineer

Your tasks

We are looking for an **Automation & Data Engineer** to join our **Digital Services Department**, playing a key role in connecting industrial automation systems with the factory's digital and data ecosystem.

This position focuses on enabling reliable data generation and integration from shopfloor equipment, supporting digitalization initiatives, advanced analytics, and data-driven decision making across manufacturing operations.

The role combines expertise in **industrial automation, data engineering, and digital manufacturing**, contributing to the stability and evolution of the factory's automation and data infrastructure.

Main responsibilities include:

- Ensuring the **reliable generation, acquisition, and availability of production data** from machines and industrial systems.
- Supporting the **integration between shopfloor automation systems and data platforms** used for monitoring, analytics, and operational performance management.
- Designing and implementing **data pipelines, ETL processes, and orchestration workflows** to support manufacturing data use cases.
- Contributing to the **development and maintenance of data architectures and data warehouse structures** related to industrial environments.
- Working with **industrial communication protocols** to enable secure and reliable machine connectivity and data acquisition.
- Supporting **complex troubleshooting and technical investigations**, working closely with engineering and maintenance teams during critical situations.
- Contributing to the stability of **industrial PCs, automation infrastructure, and shopfloor digital systems**.
- Supporting the implementation of **cybersecurity best practices in industrial environments**.
- Participating in **digitalization and innovation projects** aimed at improving operational performance, reliability, and data-driven insights.

Due to the transversal nature of the Digital Services department, this role interacts with multiple production and engineering areas across the factory.

Your profile

- University degree in **Electrical Engineering, Industrial Automation, Mechatronics, Computer Engineering, Data Engineering**, or a related field.
- Experience with **industrial automation systems and PLC**



Job ID
REF95432F

Field of work
Engineering

Location
Lousado

Leadership level
Leading Self

Job flexibility
Onsite Job

Legal Entity
Continental Mabor Indústria de Pneus S.A.

environments.

- Knowledge of **industrial communication protocols** such as Modbus, Profinet, OPC, MQTT, or similar.
- Experience or understanding of **ETL processes, data pipeline development, and orchestration tools** (e.g., workflow schedulers or pipeline managers).
- Familiarity with **data warehouse concepts and data architecture design** is considered an advantage.
- Knowledge of **industrial monitoring platforms or SCADA environments** is valued.
- Basic understanding of **cybersecurity principles in industrial systems**.
- Strong **analytical thinking and problem-solving skills**.
- Ability to work collaboratively with **engineering, maintenance, and IT teams**.
- Fluent or Native in **Portuguese** (mandatory).
- Strong **English skills**, written and spoken (minimum B2).

Our offer

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About us

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2021, Continental generated sales of €33.8 billion and currently employs more than 190,000 people in 58 countries and markets. On October 8, 2021, the company celebrated its 150th anniversary.

With its premium portfolio in the car, truck, bus, two-wheel and specialty tire segment, the Tires group sector stands for innovative solutions in tire technology. Intelligent products and services related to tires and the promotion of sustainability complete the product portfolio. For specialist dealers and fleet management, Tires offers digital tire monitoring and tire management systems, in addition to other services, with the aim of keeping fleets mobile and increasing their efficiency. With its tires, Continental makes a significant contribution to safe, efficient and environmentally friendly mobility.