

## **RODOLFO LENTZ CORRÊA**

Executive in Industrial and Educational Operations

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### **EXECUTIVE SUMMARY**

Mechanical Engineer with over 15 years of experience in industrial operations management, service units, and vocational/technical education, having worked for organizations such as SESI/SENAI/IEL (Brazilian Industry Social Services and Training System), Kumon, Union Engineering (CO<sub>2</sub> plants), Volvo Trucks, Pressure Compressores, and Frigorífico Roma.

Currently serves as Director of the Kumon Vilhena Center, responsible for the academic and administrative management of the learning center, pedagogical results, and student base growth, with strong focus on strategic planning, performance indicators, and relationship with families and the school community.

From 2022 to 2025, was responsible for the integrated management of SESI/SENAI/IEL Operational Units in Cacoal and Rolim de Moura (RO), including K-12 schools, upper secondary education, technical/vocational courses, an Occupational Health and Safety clinic, consulting services, and technological services for industry, leading a team of more than 70 staff members.

Career built on P&L management, leadership of multidisciplinary teams, engineering projects, and process improvement, with a solid background in Lean Manufacturing, Industry 4.0, and Artificial Intelligence applied to industry. Experienced with national and international standards (NBR, NR, ASME, CE), occupational safety, risk governance, and stakeholder management with industry, regulatory bodies, and the judicial system.

### **KEY COMPETENCIES**

- Management of Operational Units (Education, Health, and Consulting Services)
- Leadership of Supplementary Education Unit (Kumon Center)
- Strategic Planning and Goal Deployment
- P&L, Budget, and Performance Indicator Management
- Leadership of Multidisciplinary Teams
- Relationship Management with Industry, Public Institutions, the “Sistema S”, and School Community
- Process Improvement and Cost Reduction Projects
- Lean Manufacturing, Industry 4.0, and Industrial Artificial Intelligence
- Mechanical Engineering Projects and Capex Management
- Occupational Safety, Risk Governance, and Health & Safety Committees (CIPA)
- Judicial Expert Witness and Engineering Consulting

- Quality Management Systems Implementation (ISO 9001) and Audits
- International Project Experience (Latin America – CO<sub>2</sub> / Gases)

## **PROFESSIONAL EXPERIENCE**

**Nov 2025 – Present**

**Kumon – Vilhena – RO, Brazil**

**Director – Kumon Vilhena Center**

- Responsible for the academic and administrative management of the Kumon learning center in Vilhena, ensuring high-quality service to students and families.
- Manages the team of instructors and assistants, defines pedagogical performance goals, and tracks individual student results in line with Kumon franchise standards.
- Plans and executes actions to grow and retain the student base, focusing on academic excellence and family satisfaction.
- Manages unit performance indicators and financial results, and maintains close relationship with Kumon headquarters and the local school community.

**Oct 2022 – Oct 2025**

**SESI – Social Service of Industry / SENAI – National Service for Industrial Training / IEL – Euvaldo Lodi Institute – Cacoal and Rolim de Moura – RO, Brazil**

**Operational Units Manager – Cacoal and Rolim de Moura**

- Responsible for the integrated management of SESI, SENAI, and IEL units in Cacoal and Rolim de Moura, covering K-12 education, upper secondary education, technical/vocational courses, Occupational Health and Safety services, consulting, and technological services (metrology and testing).
- Led a team of over 70 professionals, including teachers, technicians, engineers, health professionals, and administrative staff.
- Conducted local strategic planning, aligned with state and national guidelines, cascading goals into indicators of revenue, margin, class occupancy, number of students, projects, and companies served.
- Managed the units' P&L, ensuring economic balance, sustainable revenue growth, and optimization of fixed and variable costs.
- Implemented and monitored process improvement projects in academic, administrative, and service areas, resulting in higher revenue, lower operating expenses, and growth in students and client companies served.
- Managed and supervised the SENAI consulting and services team, including projects delivered to regional industries.
- Served as a member of SENAI's national Metrology task force, contributing to the Metrology Strategy 2025–2027.

- Built partnerships with local governments, companies, and institutions to consolidate the units as a reference in education, occupational health and safety, innovation, and technological services for the regional industry.
- Coordinated with IEL Rondônia on internship programs, career development initiatives, and corporate relations.

**Feb 2022 – Sep 2022**

**SESI / SENAI – Social Service of Industry / National Service for Industrial Training – Ji-Paraná – RO, Brazil**

**Operational Unit Manager – Ji-Paraná**

- Managed the SESI/SENAI Operational Unit in Ji-Paraná, with a portfolio of technical courses, Occupational Health and Safety services, consulting, and metrology services.
- Responsible for planning and executing academic, consulting, and technological service activities for industry, leading a multidisciplinary team.
- Led post-pandemic performance recovery and internal process reorganization, focusing on increasing enrollments, improving financial results, and strengthening relationships with local industry.
- Managed the metrology laboratory, focusing on validation processes through destructive and non-destructive testing of concrete, asphalt, soil mechanics, and red ceramics.

**Feb 2022 – Sep 2022**

**Henrifel Engenharia Industrial Ltda. – Porto Velho – RO, Brazil**

**Co-Owner**

- Co-owner of an industrial engineering firm providing project, consulting, and technical assistance services to regional industries.
- Developed solutions for compliance of industrial facilities with technical standards and designed mechanical systems, pressure vessels, heating and cooling systems, and production lines.
- Provided technical support for maintenance, modernization, and expansion of industrial plants, aligned with safety, quality, and productivity requirements.

**2018 – 2021**

**Judicial Expert Services in Engineering – Various Clients**

- Acted as judicial expert witness and technical assistant in civil and labor lawsuits.
- Prepared technical reports and expert opinions in mechanical engineering and occupational safety.

- Conducted inspections, damage assessments, compliance analyses, and provided technical clarifications in hearings.
- Extensive experience interpreting technical standards, forensic evidence, and legal documentation.

**Nov 2016 - 2021**

**Entrepreneur, Independent Mechanical Engineer, and Engineering Consultant - Rondônia, Brazil**

- Provided services in mechanical engineering, industrial projects, technical consulting, and support to companies in Rondônia.
- Developed process improvement projects, compliance adaptations, and equipment implementation, focusing on maintenance cost and energy reduction and increased operational reliability.
- Built a network of industrial clients and maintained technical liaison with equipment and service suppliers.

## **EARLY EXPERIENCE IN ENGINEERING AND PROJECTS**

**Apr 2015 - Nov 2016**

**Frigorífico Roma - Guajará-Mirim - RO, Brazil**

**Project Coordinator**

- Coordinated process improvement, maintenance, and new equipment implementation projects at the meat processing complex, in compliance with national standards and state inspection requirements.
- Responsible for refrigeration system maintenance and control, implementing changes to reduce maintenance costs and energy consumption.
- Led projects involving cattle slaughtering, charque (dried meat) production, refrigeration and cold rooms, water supply, compressed air, steam, and effluent treatment.

**Apr 2013 - Apr 2015**

**Union Engineering LATAM - Curitiba - PR, Brazil**

**Project Coordinator**

- Coordinated engineering teams in the implementation of CO<sub>2</sub> extraction and purification plants for beverage and industrial gas companies in Brazil and Latin America.
- Prepared regulatory documentation, plant P&IDs, and equipment specifications.

- Managed contractors, acquisition and validation of components and systems, site implementation, and performance testing.
- Served as CIPA (Internal Accident Prevention Commission) President 2014/2015, leading safety initiatives for internal teams, external staff, and contractors.
- Coordinated equipment manufacturing at the Curitiba facility, ensuring compliance with design, testing, and shipment requirements according to NR-13, ASME, and CE standards.

**Aug 2012 – Apr 2013**

**Tess Desenvolvimento do Produto Ltda. – Volvo do Brasil – Curitiba – PR, Brazil**

**Project Coordinator / Test Engineer**

- Planned schedules, resources, and test logistics in the Feature Verification and Validation (FVV) department at Volvo do Brasil.
- Represented the prototype testing area with product development teams, managing test execution time, costs, and efficiency.
- Prepared project status reports to support go/no-go decisions on development programs.
- Worked on truck and bus prototype testing, including test instrumentation and data analysis, in close collaboration with quality and development teams.

**Mar 2008 – Sep 2011**

**Pressure Compressores Ltda. – Curitiba – PR, Brazil**

**Project Coordinator**

- Responsible for piston compressor product projects and cost reduction initiatives, including product adaptation to commercial requirements and development of tooling and fixtures.
- Designed pressure vessels and condensate separators in accordance with ASME standards, specifying materials, welding processes, controlling EPS/RQS/RQOS, coordinating non-destructive and destructive tests, analyzing test reports, and preparing design calculations and databooks.
- Led R&D projects for tools and machinery, including automated welding equipment with PLC control, embedded systems programming, and CAM programming.
- Delivered internal training in basic metrology, reciprocating compressors, and technical training for authorized service centers.

## **ACADEMIC BACKGROUND**

Postgraduate Certificate in Smart Factory (Industry 4.0) – Sep 2025

Serviço Nacional de Aprendizagem Industrial – SENAI São Caetano do Sul, Brazil

Postgraduate Certificate in Lean Manufacturing (Lean Production Engineering) – Mar 2014

Pontifícia Universidade Católica do Paraná – PUC-PR, Brazil

Bachelor's Degree in Mechanical Engineering – Jul 2011

Universidade Estadual de Maringá – UEM, Brazil

### **SELECTED ADDITIONAL TRAINING**

- Industrial Artificial Intelligence – SENAI
- Mediation and Arbitration Course – Concorde Mediação e Arbitragem
- NR-05, NR-18, NR-35, and NR-36 (Brazilian Occupational Safety Regulations)
- PLC Programming – SENAI
- Applied Electronics – SENAI
- Monitoring and Measurement Equipment Control – CTKL
- Compact Valves Technology and Electro-pneumatic Systems – FESTO
- Internal Auditor Training – ISO 9001:2008 – Íntegra
- Powder Industrial Coating – WEG
- Welding (MIG/MAG and Submerged Arc) – Pressure Compressores

### **TOOLS AND TECHNOLOGIES**

- Management and collaboration: Advanced Excel, VBA, Power BI, Microsoft Office Suite, Microsoft Teams, SharePoint, OneDrive, Outlook (Microsoft 365 / Office 365)
- Project management: MS Project
- CAD / CAE / CAM: Solid Edge, Fusion 360, NX CAM, PowerMILL
- Databases and engineering tools: Standard SQL, CerebroMix (pressure vessel design)

### **LANGUAGES**

English – Advanced

Spanish – Intermediate

Portuguese – Native