

JAIME VENEGAS, PhD

PMO & Program Manager | AI-Driven PMO Governance

PhD in Project Engineering · MSc in Project Management · Industrial Engineer

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Bilbao, Spain (open to relocation) | Hybrid work model

Spanish National ID, Colombian National ID, and U.S. Visa

PROFESSIONAL PROFILE

Industrial Engineer with a PhD in Project Engineering, an MSc in Project Management, and over 18 years of experience across projects, programs, and Project Management Office (PMO) functions in banking, cybersecurity, IoT, B2B/B2C eCommerce, ERP/CRM, and manufacturing. Specialized in PMO governance (PMBOK), risk management (ISO 31000), digital transformation (ISO 56001), continuous improvement (ISO 9001), regulatory compliance (ISO 42001, ISO 27001, ISO 27701, ENS), and in applying Artificial Intelligence to the PMO: predictive analytics, real-time executive reporting, process automation, product validation, and AI governance (EU AI Act). A results-driven professional who delivers business outcomes through leadership, planning, organization, and effective communication.

CORE COMPETENCIES

Languages: Spanish (Native) · English (Professional working proficiency, C1) · Portuguese (Intermediate Proficiency, B1).

Governance & PMO: PMO design, implementation, and management · Program and project management · Governance and operating models · Demand management · Investment prioritization · Executive reporting and KPIs.

Project management: Planning and control (scope, schedule, cost, quality, and lessons learned) · Risk management · Stakeholder management · Vendor management · Budgeting and cost control · Change management.

Methodologies: Agile: SAFe, Scrum, Kanban, and Lean · PRINCE2 · Hybrid methodologies · Continuous improvement.

AI Applied to the PMO: Predictive cost and schedule analytics · Automated executive dashboards · AI agents and workflow automation · Generative AI for project artifacts · AI governance / EU AI Act · Prompt engineering.

Standards: ISO 9001 · ISO 31000 · ISO 56001 · ISO 42001 · ISO 27001 · ISO 27701 · ENS · Operational auditing, documentation auditing, and regulatory compliance.

Tools: Jira · MS Project · Microsoft 365 · Google Workspace · Claude · Gemini · ChatGPT · Copilot · n8n · Notion.

PROFESSIONAL EXPERIENCE

Principal Consultant - PMO & AI Strategy | Founder

Momentum Quasar (independent consultancy) · Bilbao, Spain (remote) · November 2025 - Present

- **Advising 4 projects:** a children's academy app and a real estate app in the USA, an inventory app in Colombia, and a satellite navigation systems app in Germany, for PMO implementation and AI adoption.
- **Automated executive reporting:** design dashboards that consolidate finance, operations, and marketing data in real time, reducing status-report turnaround by 60%.
- **Predictive risk analytics:** build early-warning models for cost and schedule deviations, anticipating critical risks 3 to 6 weeks in advance across multiple projects.
- **Automation with AI agents:** implement automated workflows (n8n) to plan, execute, control, monitor, and close tasks, cutting team members' operational workload by 30%-40%.
- **AI governance and compliance:** define protocols for secure AI use and documentation traceability aligned with the EU AI Act and ISO 27001, properly managing cybersecurity best practices.

Project & Product Manager (PMO & IT)

Ironchip Telco SL - Cybersecurity · Bilbao, Spain · January 2023 - October 2025

- **Project management:** managed the full lifecycle of 3 concurrent financial cybersecurity and data-protection projects, supporting contract renewals and a 25% reduction in false-positive fraud alerts.
- **Governance and reporting:** rolled out the project tracking and reporting model (Jira dashboards), increasing executive visibility and reducing report-consolidation time by 40%.
- **Regulatory compliance:** supported leaders and managed the ISO 27001 and ISO 27701 certification projects and ENS alignment, passing the audit in 14 months to enable sales to banking and public-sector clients.
- **Team leadership:** coordinated multidisciplinary teams of 10 people (engineering and product), reducing schedule deviations by 15%.
- **Stakeholder management:** supported the team in translating B2B clients' business requirements into a product roadmap, increasing the visibility of product improvements by 30%.

Project Engineering Researcher (PhD and Master's)

University of the Basque Country UPV/EHU · Bilbao, Spain · September 2018 - January 2023

- **Doctoral research (Cum Laude):** in project, program, and portfolio management, artificial intelligence, digital economy, and cybersecurity in distributed energy systems (Virtual Power Plants) for Smart Grids.
- **Scientific publications:** author of 3 international scientific publications (IEEE Access · IEEE E-TEMS) on managing Virtual Power Plants in Smart Grids and other complex systems - see the Publications section below.
- **Predictive model design:** built data-analysis models to predict probabilistic behaviors related to energy production, distribution, storage, and consumption.

Organizational and Commercial Project Manager (IT)

Vencorp SAS · Bogotá, Colombia · April 2017 - August 2018

- **Digital project management:** managed 4 projects (ERP and CRM with Odoo; apps with Xamarin and React Native) covering the design, development, and implementation of digital products, from requirements gathering to production release.
- **Vendor management:** defined the evaluation criteria and selected the software development vendors, optimizing outsourcing costs by 10%.
- **Training and PMO:** trained teams in agile methodologies (Kanban and Scrum), and quality and risk management tools, standardizing project implementation methodologies.

Project and Process Management Analyst (PMO)

Banco Multibank SA · Bogotá, Colombia · March 2015 - March 2017

- **Core banking and financial products:** managed projects for the development, implementation, and updating of financial products, meeting the sector's regulatory requirements.
- **Planning and control:** planned activities, resources, costs, and timelines for work teams, improving on-time milestones by 35%.
- **Stakeholder coordination:** aligned communication among clients, vendors, and partners, reducing incident-resolution times by 30%.

Software Implementation Analyst (freelance)

Banco BBVA Colombia SA · Bogotá, Colombia · September 2013 - April 2014

- **Payment security:** coordinated payment-security projects and the development of financial modules, controlling process documentation and standards compliance.
- **Financial analysis:** analyzed costs, timelines, and financial impact in software implementation, providing the criteria for investment decision-making.

Quality Management System Coordinator (ISO 9001)

Industrias JILA Ltda. Industrial Manufacturing · Cali, Colombia · May 2008 - April 2012

- **ISO 9001 certification:** led the design, implementation, and maintenance of the Quality Management System, achieving the company's certification.
- **Data culture:** implemented a decision model based on statistical information and a management-indicator (KPI) system, reducing non-conformities by 45% with related savings of 15%.

EDUCATION

- **PhD in Project Engineering.** University of the Basque Country UPV/EHU, Spain · 2020 - 2023.
- **MSc in Project Management.** University of the Basque Country UPV/EHU, Spain · 2018 - 2020.
- **Industrial Engineering.** Pontificia Universidad Javeriana, Cali, Colombia · 2002 - 2007.

CERTIFICATIONS & ADDITIONAL TRAINING

- **XPLORE Talent Program.** UnternehmerTUM, Munich, Germany · 2022.
- **Sustainability and Quality in Projects.** Fachhochschule Dortmund, Germany · 2019.
- **Digital Marketing - Hazilan Project.** Garapen and WEROI, Bilbao, Spain · 2019.
- **Internal ISO 9001 Quality Auditor.** ICONTEC Internacional, Cali, Colombia · 2008.

SCIENTIFIC PUBLICATIONS

- IEEE Access - Power & Energy Society (2022): A Review of the Evolution and Main Roles of VPP as Key Stakeholders in Power Systems ([Paper link](#)).
- IEEE E-TEMS (2022): A General Description of Virtual Power Plants as Smart Manager in Power Systems ([Paper link](#)).
- IEEE E-TEMS (2022): Report on the Doctoral Workshop "Smart Cities as System of Systems" ([Paper link](#)).