



Kathia Elizondo Associate

Education

BS – Sustainable Development,
Tecnológico de Monterrey

Languages

Spanish
English



Experience Summary

Kathia is a Sustainable Development Engineer with experience in water efficiency in manufacturing plants, water availability and high-water risk areas, environmental compliance, water treatment technologies, sanitation, culture transformation and training, and environmental, health and safety governance. She has studies on environmental policy instruments and risk assessment for soil and water pollution at the Chalmers University of Technology in Sweden with Environmental.

Kathia has worked in international organizations in the private and public sectors, started her career on water and sanitation projects with FEMSA Foundation, and later won a national competition among +600 participants to work with the Secretary General's Envoy on Youth Office for the United Nations on New York City Headquarters where she led a project on youth tracking data for the SDG on 193 Member states.

She has vast experience in water efficiency usage and wastewater treatment for 40 snacks facilities in 14 Latin American countries providing process support, audits and tailored made solutions for production lines optimizing true efficiency and reducing food waste from agriculture to packaging and the impact it has on resource intensity and environment, all sustained by a holistic cultural and educational campaign that aims to shift the way collaborators work and think about the relationship manufacturer: environment.

For the past two years, Kathia has worked in ALO Advisors as Project Manager for Water Fund creation and strengthening work with the Latin American Water Fund Partnership in projects across the region from the work to assess the feasibility of the Water Fund with a situational analysis of conditions in each country to the development of the strategic planning of these projects. Additionally, Kathia has led the incorporation of new technologies for the use of data analysis and satellite monitoring systems in water stress monitoring and implemented these systems in the assessment of replenishment projects for Coca-Cola FEMSA and the Latin American Water Funds Partnership.

Kathia has supported several companies and organizations to develop sustainability strategies around water management, climate change, diversity and inclusion, and circularity. In this work, she has been instrumental in the development of monetization, monitoring, and implementation tools for such strategies and projects in the United States of America, México, and other Latin American countries.

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Associate

Representative Projects

- Return on Sustainability Investment (ROSI™) projects for diverse industry sectors in American and Europe Markets. Development of four ROSI models to identify, quantify and monetize benefits of sustainability interventions and development of metrics that allow the monitoring and reporting of these benefits into corporate financial performance and other business practices.
- Replenishment Projects Audit for Coca-Cola FEMSA in Costa Rica, Guatemala, Panama, and Colombia using cutting-edge satellite technology to monitor water stress and vegetation health in +400 location projects identifying results of the replenishment progress and efficiency of conservation activities.
- Management of Sustainability agenda for Latin American 43 snacks operations of Sabritas, Gamesa, Quaker, and regional brands, on resource intensity (water, fuel & electricity) through state-of-the-art projects like the first Zero liquid discharge for PepsiCo LatAm, waste heat recovery, sewage separation, wastewater design project, and reuse systems.
- Developed a cultural strategy for manufacturing plants on Environmental Sustainability called Environmental Cup with three editions. A four-month competition for 43 manufacturing facilities where each week they win points based on indicators of performance, cultural activities, training, and operational efficiency practices. Proven improvement of almost 10% on KPI compared to last year.
- Reuse systems monitoring, auditing, and parameters control for eight MBR and Osmosis plants in Mexico, Chile, Dominican Republic, and a Zero Liquid Discharge in Colombia.
- Redesign and redeploy of Water initiative Index with all water efficiency initiatives for potato and corn lines like starch recovery, reuse, and nozzles for peeling, washing, and slicing. Full understanding of initiatives and production lines with collaboration across snacks manufacturing plants and cross-sector practice sharing and mastering of technologies.
- Active leader on the development of a Wastewater treatment plant for Gamesa Monterrey, elaboration and lobbying of CAR (Capital approval request) considering costs, ROI, compliance with Nuevo Leon Laws, and international as well company standards. Construction permits, licenses, soil preparation, and sewage separation phase coordination with contractors.
- Coordinator of Safety for production lines and EHS strategy deployment leading on STPS –Secretaría del Trabajo y prevision social- Self-management for Safety Governance Systems Audit for Gamesa Monterrey Team and GEHSMS PepsiCo's EHS Management system.
- Evaluation of water and sanitation projects for rural communities and city areas. Creation of the framework to analyze technology feasibility, investment, and M&O cost, sustainability, social impact, social engagement, and revenue for the company.
- Leader on SDG Youth Tracker project and data analysis for the state of youth in all 193 Member states and contemplating, at the time, 170 indicators of the Sustainable development goals. The tracker was made upon from an Experts Group Meeting with participation from organizations like World Bank, ILO, UNDP, and others to measure the SDG deployment and impact and have the right information when lobbying with governments and private entities on census and youth investment and development for the environmental and social target.