

CÉSAR CATALDO LEIVA

cbcataldo@gmail.com / +56952287011

Engineer PUCV, Industrial Civil Engineer UDLA©,

MSc. Industrial Engineering UNAB, MSc. Water Engineering and Management UDIMA

<http://linkedin.com/in/césar-cataldo-leiva-6714718a>

SUMMARY

Bioprocess Engineer, Industrial Civil Engineer ©, Diploma in Operation Management, Master in Industrial Engineering, Master in Water Engineering and Management with solid experience leading teams in engineering projects, design and operations management in companies in the Engineering, Services, Environmental, Sanitary sector both in Chile like abroad. Proactive professional with a high orientation to results, high analytical capacity and recognized leadership of multidisciplinary work teams under pressure environments with focus on optimization and emphasis on caring environment, sustainable development and work environment. Experience in management and administration of different resources and services, planning and control, forming value network with teams, clients, suppliers and authorities and stakeholders in general.

PROFFESIONAL EXPERIENCE

ESVAL S.A

February 2014 to June 2020

Drinking water and sewerage service company in V Región with more than 620,000 customers. It is one of the 3 largest water sanitary company in the country and is part of the OTPP Holding, Ontario Teachers Pension Plan.

Head of Treatment Department Litoral Sur Management.

October 2019 to June 2020

Responsible for the operational, administrative and territorial management of the infrastructure and treatment units of the Communes Valparaíso, Casablanca and Province of San Antonio. Exercises leadership in safety and occupational health issues. Develops and designs balanced scorecards for the control of processes, according to operational excellence models together with the management and analysis of corporate indicators (KPIs). Budget formulation, forecasting, deviation analysis. Preparation of status reports and management reports, reporting directly to the Zonal Deputy Manager and Regional Manager. Relationship with communities and government regulatory authorities. 170,000 clients. Budget 7.5 MMUSD. Staffing 40 people in charge.

Main achievements:

- Management of 5 submarine outfalls, 2 WWTP and wastewater collection networks.
- Decrease in operating costs, which represented a savings of 325 MM\$ in the first semester.
- 100% quality and regulatory compliance.
- Compliance with the Sustainability and Environment program with zero wastewater discharges on the coastline, taking care of the corporate image avoiding fines of 500 MM\$ per event 2020.

Head of Production-Treatment Department Quillota Management.

August 2015 to October 2019

Responsible for the operational, administrative and territorial management of the infrastructure and production-treatment units Commune Limache and Province of Quillota and treatment of the communes Puchuncaví, Quintero, Zapallar. Leads initiatives for continuous improvement and optimization of processes that reduce costs and minimize vulnerabilities based on operational excellence models together with the management and analysis of corporate indicators (KPI's). Budget formulation, forecasting, deviation analysis. Administration of service subcontracts with external providers. Preparation of status reports and management reports, reporting directly to the Zonal Deputy Manager and Regional Manager. Relationship with communities and government regulatory authorities. 85,000 clients. Budget 6 MMUSD. Staffing 60 people in charge.

Main achievements:

- Management of 14 drinking water production plants, 30 distribution tanks and 6 WWTP.
- Budget compliance (Opex) generating annual savings of the order of 20% equivalent to 1.2 MMUSD each year between 2015 - 2019.
- Maintenance of continuity and quality of drinking water service during 2014 - 2019 with an adverse scenario due to drought.
- Design and execution of an operational optimization plan thar allowed generating incomes from non-regulated services of 540 MM\$ per year.

- Compliance with the Sustainability and Environment program with zero wastewater discharges on the coastline, taking care of the corporate image avoiding fines of 500 MM\$ per event 2015 - 2019.
- Lawsuit for odors against Esval (WWTP El Molino) - Commune of Quillota with favorable result for the company 2017. (Lawsuit against Esval for 15,000 MM\$).

Head of Production Unit Quillota Management

February 2014 to August 2015

Head of Unit, in charge of the production and supply of drinking water for the Commune of Limache and Province of Quillota. Responsible for the operational and administrative management of the production infrastructure and personnel. Assurance and regulatory compliance of quality and continuity of drinking water service. Analysis and management of corporate indicators (KPI's) It develops the technical bases for bidding the first Esval Reverse Osmosis Plant focused on nitrate abatement in production sources, together with technical analysis of the proposals and bidder selection. Reporting to Head of Department. Budget 420 MM\$. 70,000 clients. Staffing 15 people in charge.

EATHISA S.A

August 2012 to December 2013

Chilean Spanish engineering, technical consulting and services company for the industrial sector, with offices in South America, Europe. Africa and Asia

Manta City Bay Sanitation Project, Ecuador. EATHISA – Manabí Regional Government.

September 2013 to December 2013

Project Engineer, process specialty. Study alternatives for the collection and treatment of wastewater from the City of Manta, Ecuador. Development of advanced basic engineering for the pretreatment system and wastewater treatment system (alternatives proposed and studied based on a submarine outfall or activated sludge treatment plant). Reporting to Engineering Manager. Staffing 2 people in charge.

Wastewater Treatment Plant Panama City, Panama. Consortium Odebrecht - Nippon Koei - Degremont

April 2013 to September 2013

Resident engineer in Panama complying the function of technical process advisor and commissioning manager for Odebrecht and Degremont technical counterpart in the commissioning, start-up of Wastewater Treatment Plant Panama City, leading a team of 20 people. Review and control of technical and design documentation. Control of operating setpoints and analysis of operational data. Commissioning protocols controls. KPI's management. Preparation of management reports. Work framed in the Panama City Sanitation Bay Project. Reporting to Project Manager.

Project Manager Treatment Plants, Mining Portfolio

August 2012 to April 2013

Wastewater Treatment Plant Chuquicamata Underground Mine. CODELCO
Drinking Water, Wastewater Treatment and Industrial Treatment Plants Rajo Sur Mine Project. CODELCO
Reverse Osmosis and EDI Plants Ventanas Melting. Consortium Ril-Light CODELCO
Expansion Tanks for Pumping Station Project. ANTUCOYA Mining Company.
Raw Water Treatment Plant Supplying. ANDINA Mining Company

Specialist engineer, process area, responsible for the development of basic and detailed engineering, development of process diagrams P&ID, selection of equipment and instrumentation, management and control documents, management and acquisition of equipment. Preparation of technical documentation and process memories. Collaborative work with design area of supplier Severn Trent USA for water treatment projects focused on desalination, brackish and industrial waters for Centro and South America. Reporting to Engineering Manager. Staffing 2 people in charge.

Ingeniería y Construcción SIGDO KOPPERS

October 2009 to August 2012

Chilean Capital Business Group, leader in the area of engineering, construction and assembly on a regional scale and development of works, services and products for the mining and industry.

Project Manager Biogás Project SK-Agrosuper.

May 2012 to August 2012

Project Manager of Biogas SK-Agrosuper phase 2. Responsible for engineering studies, processes (methanization potential). Market study and regulation of the electricity sector together with analysis of profitability, costs, biogas production estimate and energy sale. Conceptual design of 6 plants, as well as the

selection and technical validation of equipment and technologies for the implementation of the plants. Reporting to Division Manager. Staffing 2 people in charge.

Operations Engineer Water Treatment Division.

September 2011 to May 2012

Operations Engineer, responsible for the development of engineering projects and design of wastewater treatment, purifications and potabilization systems, technical operation consulting, preparation of technical and process reports for contracts EPC, EPCM. Administration of O&M service contracts for clients in the mining, energy and industrial areas. Reporting to Head Division. Staffing 4 people in charge.

Deputy Head of Corneche Biogas Plant Project.

October 2009 to September 2011

Deputy Head of the electricity generation project with a Biogas plant from the organic waste resulting from the raising and production of swine. Responsible for the gathering customer information, studies of methanization potential and the development of technical-economic evaluations of the Project. Leads the design and development phase of basic and detailed engineering with the selection of equipment and acquisition with european suppliers (German and Italian). SK- Agrosuper Agreement Project phase 1, which contemplated the construction of 2 anaerobic reactors of 3000 m3 with a generation power of 0.8 MW. Reporting to Division Manager. Budget 3 MMUSD. Staffing 2 people in charge. Management of 4 subcontracts, structural, mechanical, electrical, instrumentation and control specialties.

BSF BODEGAS SAN FRANCISCO

April 2009 to October 2009

Head of Treatment.

Responsible for the area in charge of direct supervision of wastewater treatment plants (5), drinking water plant (1) with a team of 7 people ensuring regulatory and environmental compliance. Prepares, supervises and coordinates preventive maintenance programs for equipment, operational control, along with the generation of procedure manuals. Advises the BSF Antofagasta, Chillán, Temuco and Puerto Montt Centers.

Ingeniería y Construcción SIGDO KOPPERS

February 2009 to April 2009

Project Engineer Water Treatment Division.

Engineer in charge of the supervision, assembly and inspection of wastewater treatment plants, drinking water plants and waste management. Staff 2 people in charge.

Ingeniería y Construcción SIGDO KOPPERS

January 2009 to February 2009

Professional Practice.

Engineer responsible for the operation and control of the Liquid Industrial Waste Treatment Plant Coca Cola Concentrate Plant trained in the TCCQS (The Coca-Cola Quality Sistem).

EDUCATION

Master in Water Engineering and Management
Master Industrial Engineering
Diploma in Operations Management
Industrial Civil Engineer ©
Bioprocess Engineer

UDIMA (2018-2019)
UNAB (2016-2017)
UAI (2011)
UDLA (2020-2022)
PUCV (2002-2008)

KNOWLEDGE

Management of computer tools Ms. Office, Ms. Project. ERP SAP, various engineering software.

LANGUAGES

- English Level: Advance / Italian Level: Native

COURSES

Development of various courses in the subjects of Business English, Budget Control, Project Evaluation, Environmental Legislation, Hazardous Substances Regulations, Reverse Osmosis and Ultrafiltration, Biogas, Wasterwater Treatment, Drinking Water, Water/SewerCAD hydraulic software.

PERSONAL INFORMATION

Nationality : Chilean / Italian.
RUT : 13.998.622-9
Civil Status : Married.
Date of Birth : 23 April 1981.
Military Situation : Military Service Complied
Driver License : Type B.

REFERENCES

Cristian Vergara. CEO ESSBIO cristian.vergara@essbio.cl
Hernán Berríos. Los Ángeles Regional Manager ESSBIO hernan.berrios@essbio.cl
Glenda Bastías Head Department ESSBIO glenda.bastias@essbio.cl
Alicia Martínez Quality Head Department ESVAL amartinez@esval.cl

INTEREST

Sports (Soccer, Mountain bike), reading, music. Barista amateur.