



Unique  
way of  
doing with  
excellence





# ABOUT US

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We are a **consulting, management, and corporate sustainability projects** company, offering the best services and solutions to the mining, infrastructure, energy, oil and gas, industry, construction, and other productive sectors.

We believe in the evolution of society, with a balance in the use of natural resources.

Considering life as our main asset, we develop efficient and innovative solutions sustainably, with technical excellence from our talents, credibility, discipline, and commitment.

We offer consulting, planning, integrated management, environmental, social, and corporate governance solutions, optimizing performance and promoting sustainable growth for our clients.



Unique way  
of doing  
with  
excellence



# +900

**Employees**

including specialists  
and field professionals

# +1.800

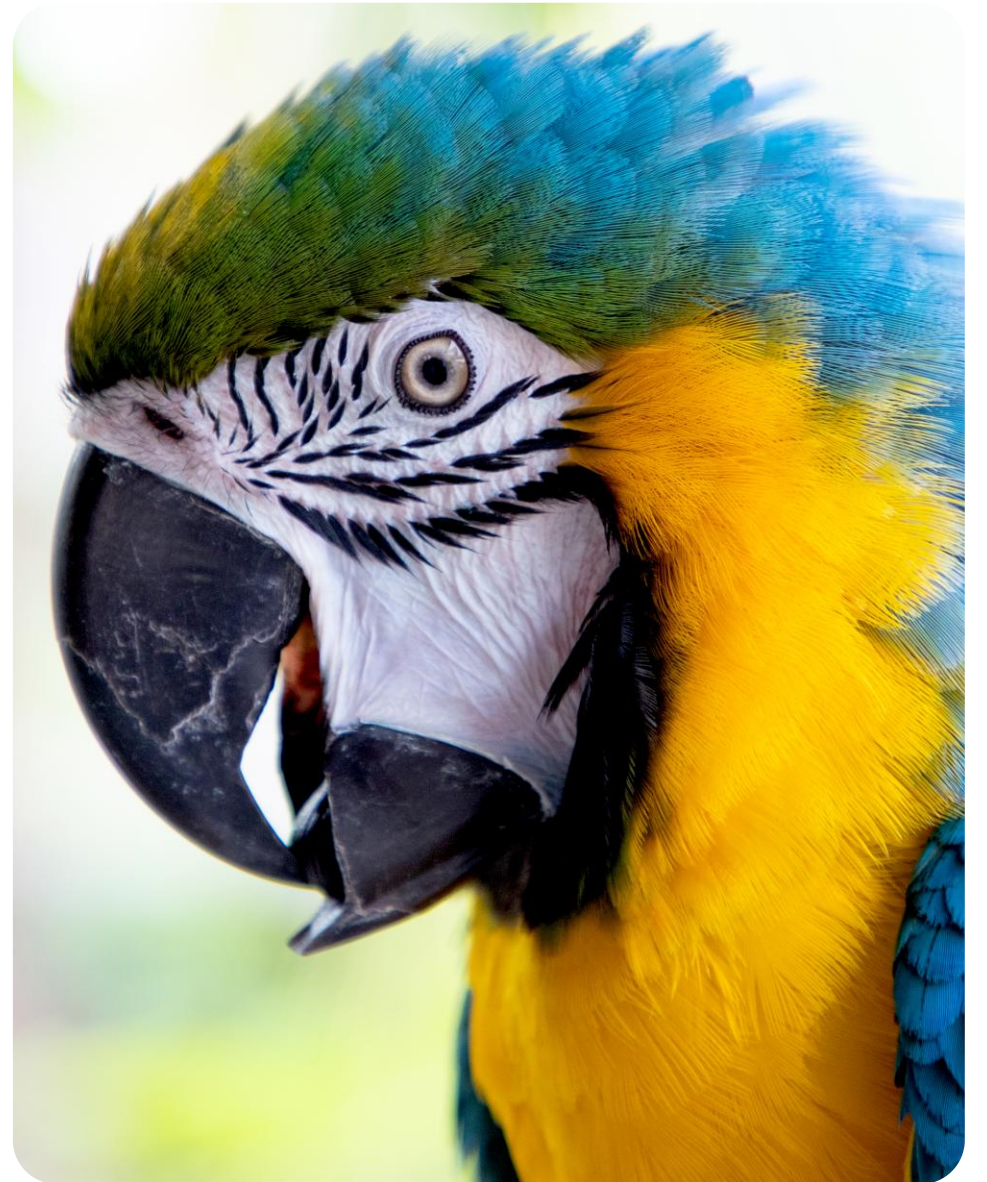
Projects carried out

# +150

Companies  
served with high quality

Clam is your  
**ideal  
strategic  
partner**

[Learn more](#)



# OUR HISTORY



**1997**



Development of Urban Environmental Licensing services in Minas Gerais

**2010**



Technical portfolio's expansion - General Environmental Licensing and Water Resources

**2015**



Entry into the Mining market. Expansion of the technical body with the internalization of sectors

**2018**



Assistance in Environmental Emergency Responses. Achievement of large-scale and long-term projects

**2019**



Consolidation of strategic portfolio. Pioneering service in the Dismantling of Geotechnical Structures - Dams

**2021**



Expansion into the Energy market

**2024**



Consolidation in Land Degradation Recovery services. Entry into the infrastructure market. Expansion of services and new solutions in ESG, Corporate Sustainability, and SGI themes.



# SKILLED PROFESSIONALS

diversity in ideas and identities is not only recommended but encouraged.

**Together we are stronger!**

Our multidisciplinary and highly energetic technical team is composed of professionals from various fields of knowledge related to environmental and sustainability issues, such as ecology, hydrology, geochemistry, waste, monitoring, integrated management, licensing, corporate sustainability, among others, with the experience and qualifications necessary to generate results with effectiveness and quality.



# RECOGNITIONS

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- **Safety Quality Award 2018:** Highlighted for performance in the S11D Project (Eliezer Batista Complex) by Vale.
- **Outstanding Safety Supplier 2020:** Recognized for performance in the Legal Compliance Evaluation, conducted by the Health and Safety Management of the Vale's Special Directorate for Repair and Development.
- **Outstanding Supplier in Minas Gerais 2021:** Recognized for performance with Contract Management and Environment of the South/Southeast Corridor of Vale.



# SOLUTIONS FOR YOUR COMPANY



! Management of processes and people, proposition of strategic and innovative methodologies, technological systems, environmental solutions, SGI and ESG.



Environmental Permitting and Compliance with Legal Requirements



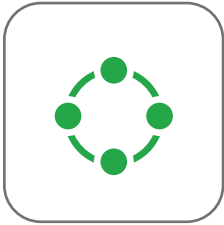
Monitoring and Solutions for Physical, Biotic, Social, and Cultural Heritage Environments



Water Resources Engineering



ESG and Corporate Sustainability



Integrated Management System (IMS), Legal Compliance, Audits, and SGI Outsourcing



Socio-Environmental and Historical, Artistic, and Cultural Heritage Studies



# ENVIRONMENTAL CONSULTANCY

## PERMITTING AND LEGAL REQUIREMENTS | Examples

- Environmental Impact Assessment and Environmental Impact Report - EIA/RIMA;
- Environmental Control Report and Environmental Control Plan - RCA/PCA;
- Simplified Environmental Report - RAS;
- Preliminary Environmental Report - RAP;
- Environmental Performance Assessment Report - RADA;
- Degraded Areas Recovery Plan - PRAD;
- Technical Project for Flora Reconstitution - PTRF;
- Environmental Intervention Project - PIA;
- Health Services Waste Management Plan - PGRSS;
- Services Waste Management Plan - PGRS;
- Construction and Demolition Waste Management Plan - PGRCC;
- Environmental Education Program - PEA.





# ENVIRONMENTAL CONSULTANCY

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## STUDIES AND ASSESSMENT | Examples

- Consultancy within the scope of Emergency Action Plans for Mining Dams (PAEBM) - Sections I to V;
- Monitoring of socioeconomic indicators;
- Execution of Territorial Development Programs;
- Consultancy for formalization, training, and strengthening of collectives;
- Socioeconomic, productive, and related services diagnostics for involuntary removal processes;
- Surface and groundwater concessions;
- Management of environmental and urban processes;
- Preparation and standardization of Thematic Environmental Mapping;
- Potential assessment, prospecting, detailing, and relevance studies in cavities;
- Environmental conditions management;
- Diagnosis, prospecting, rescue, and archaeological salvage;
- Consultancy and monitoring of environmental licensing processes - Federal, state, and municipal spheres.



# ENVIRONMENTAL CONSULTANCY

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## BIOTIC | Examples

- Fauna and flora rescues;
- Diagnostics, monitoring, and surveys of fauna and flora;
- Monitoring and rescue programs for roadkill fauna;
- Monitoring and study of ichthyofauna species;
- Forest inventories;
- Studies for compensation and environmental conservation.

## PHYSICAL | Examples

- Monitoring and technical evaluation of noise and vibration levels;
- Air quality monitoring and studies on dispersion and atmospheric pollution;
- Water quality monitoring;
- Soil quality monitoring;
- Speleological prospecting and studies.

## SOCIOECONOMIC AND CULTURAL | Examples

- Socio-environmental perception surveys;
- Participatory socio-environmental diagnostics;
- Diagnostics for Environmental Impact Studies;
- Socioeconomic and cultural environment programs;
- Execution of actions for the operationalization of PAEBM;
- Archaeological prospecting, monitoring, and salvage;
- Studies and diagnostics - Traditional communities Territorial Development Plans.





# SUCCESS CASES

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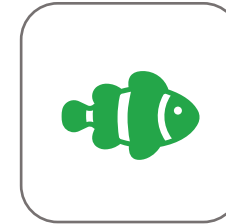
! Each service is carried out in a unique way, always dedicating our technical experience, logistical organization, and credibility.



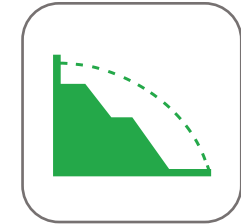
Hydrogeological  
Model



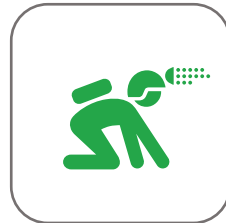
Animal  
Care



Ichthyofauna  
Services



Geotechnical  
Structures  
Decommissioning



General  
Speleological  
Studies



Closure  
Plans



Archaeological  
Monitoring



Environmental  
Investigation  
of Liabilities



# HYDROGEOLOGICAL MODEL

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## Context

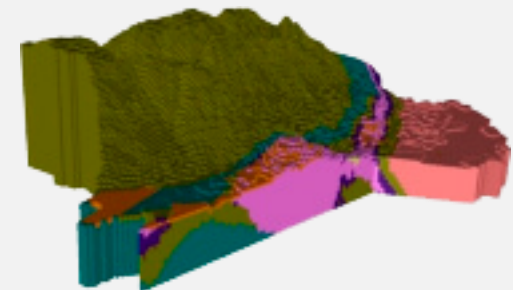
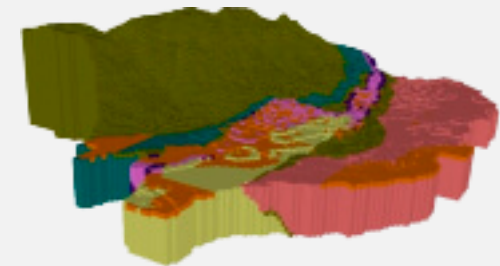
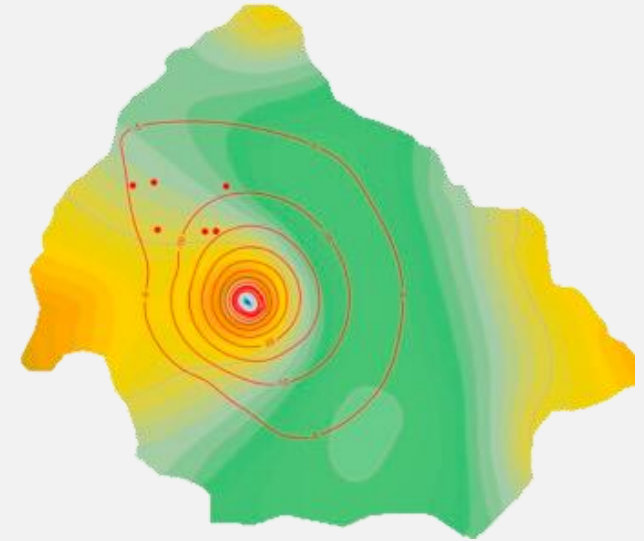
Development of a conceptual hydrogeological model of the coal mine in Moatize, an operation located in the province of Tete, Mozambique.

## Methodology

Compilation of existing geological and hydrogeological data; analysis and interpretation of information from monitoring instruments installed on-site; analysis of geophysical tests (electrical resistivity); analysis of tests for defining the hydrodynamic characteristics of aquifers.

## Results

Characterization of subterranean water dynamics and its geometry; configuration of aquifer units; recharge and discharge zones; vulnerability of hydrogeological systems to possible contaminants; water availability in the project area and contiguous portions.





# ANIMAL CARE

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## Context

Development of technical, administrative, and management services for the animal reintroduction program at a wildlife shelter located in the Brumadinho region, Minas Gerais, Brazil.

## Methodology

Development of activities including the reception, treatment, and sheltering of hundreds of domestic and wild animals in a specific structure; necropsies of shelter animals or those brought from other rescue fronts; animal welfare and environmental enrichment for reintegrating rescued individuals; management of the adoption process based on specific protocols and other activities.

## Results

Development of activities including the reception, treatment, and sheltering of hundreds of domestic and wild animals in a specific structure; necropsies of shelter animals or those brought from other rescue fronts; animal welfare and environmental enrichment for reintegrating rescued individuals; management of the adoption process based on specific protocols and other activities.



# ICTHYOFAUNA SERVICES

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## Context

Evaluation of the influence of dredging on fish shoals and assessment of impacts on the drift of eggs and larvae (ichthyoplankton) in the Paraopeba River, Minas Gerais, Brazil.

## Methodology

Development of environmental programs for carcass collection; dredging and shoal monitoring; fishery; water quality parameter monitoring; ichthyoplankton monitoring; necropsy for cause of death assessment; mobilization of a robust team with appropriate certifications, as well as all necessary resources such as boats, vehicles, and engines.

## Results

The services provided aided in the restoration and mitigation of environmental impacts caused by sediment runoff in the Paraopeba River, Brumadinho region, Minas Gerais, Brazil.





# GEOTECHNICAL STRUCTURES DECOMMISSIONING

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## Context

Development of studies, projects, and environmental monitoring related to geotechnical structure decommissioning works in the state of Minas Gerais, Brazil.

## Methodology

Selection of a robust multidisciplinary technical team for in-company action, with strong technical expertise and different levels of seniority, dedicated to meeting the requirements and legislation related to the topic.

## Results

Addressing environmental demands, with team integration and project and process management, providing increased performance and added value to the client's business.







# ENVIRONMENTAL STUDIES AND MONITORING



## Context

Development of licensing, environmental monitoring, and various services for a gold mine, access road, and transmission line in the Amazon biome, in the state of Pará, Brazil.

## Methodology

Characterization and qualitative and quantitative hydrogeological/hydrological monitoring; background hydrogeochemical characterization; assessment of potential acid drainage generation; water balance definition and pit dewatering studies; technical studies for water use and effluent discharge permits; development of Environmental Management System for the mine's operation phase; fauna and flora monitoring; environmental licensing for the landfill and concrete plant.

## Results

Meeting the client's various environmental demands with quality and effectiveness.

# ARCHAEOLOGICAL MONITORING OF EMERGENCY WORKS

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## Context

Monitoring of dam decommissioning works, aiming to identify archaeological structures to prevent possible impacts on Archaeological Heritage.

## Methodology

Walking activities by Archaeology professionals in areas affected by works, identification, isolation, and signaling of archaeological assets, dissemination of knowledge to works collaborators, and communication of preventive actions to competent bodies through letters and/or technical reports.

## Results

Prevention of impacts and dissemination of the Archaeological Heritage of Minas Gerais, compliance with environmental licensing requirements, and specific legislation for the protection of Archaeological Heritage.





# GENERAL SPELEOLOGICAL STUDIES

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## Context

Assessment of speleological potential, prospection, area of influence studies, relevance studies, monitoring in mine operation areas, aiming to evaluate potential impacts.

## Methodology

Surveys in speleological databases; field mapping; detailed topographic surveys; bio-speleological and geo-speleological surveys, particulate matter monitoring; photographic monitoring; physical integrity monitoring; cave fauna monitoring.

## Results

Mapping of existing cavities in the Area Directly Affected by the project and its surroundings; proposal for changing the area of influence; determination of the relevance degree of the cavities; assessment of impacts resulting from operational activities and proposal of follow-up, mitigation, and compensation measures.



# CONCEPTUAL AND EXECUTIVE CLOSURE PLANS

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## Context

Mine operations requiring structured actions planned in line with the best international practices, aiming to ensure the physical and chemical stability of structures, enabling future use and socio-environmental sustainability of the project in decommissioning and post-decommissioning phases.

## Methodology

Detailing of actions related to decommissioning, such as the process of definitive deactivation of structures, associated aspects and impacts, applicable control and mitigation measures, assessment of possible future uses, justification of the chosen future use, costs involved, and schedule.

## Results

Integrated view of the necessary actions to proceed with decommissioning and ensure the best future use alternative, considering all socio-environmental and financial aspects.



# ENVIRONMENTAL INVESTIGATION OF LIABILITIES

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## Context

Development of the Preliminary Assessment Report and the Confirmatory Investigation Plan in areas of inactive mines.

## Methodology

Primary and secondary data collection, including, for example, temporal aerophotogrammetric survey, to characterize changes in land use and occupation in the target area and its surroundings; interviews; and field inspections. The Confirmatory Investigation Plan is elaborated based on data availability, quality, and obtained information, which will support the Initial Conceptual Model of the Area - ICA, with its different levels of uncertainties.

## Results

Through data collection and developed studies, the aim is to find evidence, indications, or facts that allow suspecting the existence of contamination in the areas, verifying the need for the continuation of the investigation (execution of the Confirmatory Investigation Plan).





# RECOVERY OF DEGRADED AREAS - RAD

## Context

Services involving the elaboration, execution, and also supervision of projects for the recovery of degraded areas and compensatory plantings within mining, infrastructure, and agro-silvicultural enterprises.


## Methodology

Development of programs and executive projects in the context of environmental licensing and meeting the operational demands of clients. Execution of hydroseeding, direct seeding, fence installation, seedling planting, monitoring, and various related activities. Technical inspection of RAD implementation services.


## Results

Meeting the cliente's needs from the elaboration of executive projects with appropriate solutions for each case, supervision of work fronts, to the actual execution with the environmental recovery of degraded or altered areas, slope.






RELAÇÃO Nº 01/2023



RELATÓRIO DE VALLUREC - ID MUDAS

Dados do atendimento			
Código do ponto de atendimento:	Nome do ponto de atendimento:	Tipo ponto atendimento:	Status do Atendimento:
00000001	Vallejo - ID Mudas	Mudas - ID Mudas	Ativo
Unidade de atendimento:	Região:	Empresa:	Código LPI:
Vallejo - ID Mudas	Vallejo - ID Mudas	25.44.100 - Vallurec	0
Localização:		Código do ponto de atendimento:	
Endereço que realizou o atendimento:		Código de atendimento:	
Vallejo		25.44.100 - Vallurec	

ID Mudas		
Área:	Responsável pelo preenchimento:	Local:
Área de Trabalho	Adriano de Souza	Área (m²)
Área de Trabalho:	Data:	Nota:
Área de Trabalho	25/09/2023	00.00
Código - Coordenada UTM E:	Código - Coordenada UTM N:	Faixa:
00000001	00000001	00000001
Especie:	Nome popular:	Planta:
Cereja Colombiana	Cereja Colombiana	00000001
Valor comercial:	Foto - Preparação:	Foto - Montagem:
00		
Foto - Montagem:	Foto - Montagem:	Foto - Montagem:
		
Altura da muda:	Associação:	Proteção:
00m	Não	Não
Gravidade ambiental:		

# DETAILED CASE STUDY - PROJECT



Review and Restructuring of the Integrated Environmental Plan - of the Tubarão Unit, in the municipality of **Vitória / ES**



CLAM operates at the Tubarão Unit, dedicated to the development of the Integrated Environmental Plan.

This document **aims to unify, standardize, and provide a systematic view of all Plans and Programs** related to environmental control, covering all processes and activities of the Unit's facilities, such as the Port, Railway, Pelletizing Plants, Briquetting, shared areas, and green spaces. The work aims to guide the management of environmental monitoring and control processes. It will play a crucial role in prioritizing demands, optimizing client resources, and promoting long-term value generation transparently.





# OUR DIFFERENTIATORS



Quality



Trust



Innovation



Effectiveness

We believe in  
the **evolution**  
**of society**



with **balance** in  
the use of  
natural resources



# CERTIFICATIONS

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## LABORATORY QUALITY MANAGEMENT SYSTEM (ABNT NBR ISO/IEC 17025)

Certification in the Laboratory Quality Management System, in compliance with the requirements of ABNT NBR ISO/IEC 17025, for the excellence of analysis services, ensuring the production of consistent results and ensuring impartiality and confidentiality.

## HEALTH AND OCCUPATIONAL SAFETY MANAGEMENT SYSTEM (ISO 45001:2018)

Certification in the Occupational Health and Safety Management System, in accordance with the requirements of ISO 45001:2018. This credential highlights the ongoing commitment to employee health and safety, in line with international best practices.

## "SILVER" SUPPLIER AWARDED BY ELECTRIC ENERGY GROUP CEMIG

Award for good results achieved in the development of Environmental Services for the Preparation of Studies, Technical Specifications and Execution of Environmental Programs provided for in the Environmental Licensing process and Integrated Management System of the company's facilities.

## IN IMPLEMENTATION

ABNT NBR ISO 9001 - Quality Management System  
ABNT NBR ISO 14001 - Environmental Management System



# +150

Companies served  
with high quality

Meet some of our Clients



## Customer Testimonial

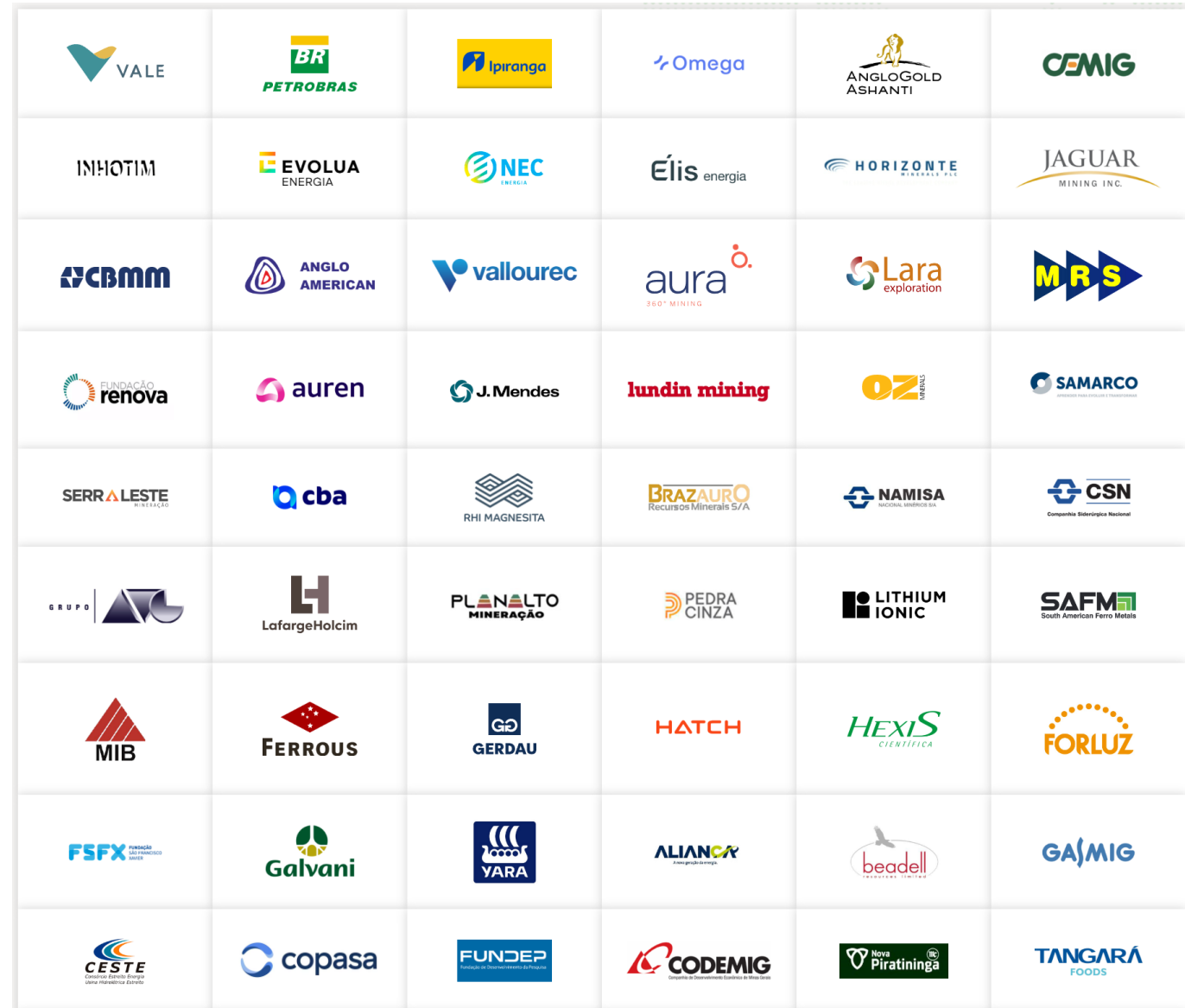


**Bernardo Villani**  
Director | VALE S.A

“

On behalf of the Project Directorate, I would like to congratulate you on obtaining this permit and thank you for the excellent service during the provision of services. We are extremely satisfied with the CLAM partnership. We look forward to new work opportunities with you soon.

”



ESG

IMS

# Achieve excellence in **ESG**, **Corporate Sustainability** and **Integrated Management System**

With CLAM, you are joining a team of specialists dedicated to helping your company achieve excellence in ESG, Corporate Sustainability, and Integrated Management System.





# ESG



Establishing the ESG and Corporate Sustainability concept requires a high commitment, but the **benefits** can be **exponential**, providing a sustainable trajectory for the company and maintaining its market longevity.



The ultimate goal is to achieve sustainable evolution, where the organization operates in a balanced and continuous manner, positively contributing to a broader ecosystem, and impacting clients, employees, communities, and the world at large positively.



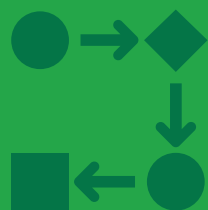
CLAM deeply understands the nuances and complexities of corporate sustainability. We are ready to advance your company's ESG Agenda with confidence and efficiency.

[Learn more](#)



# Operational Excellence through Implementation of Integrated Management System

With an increasingly competitive and regulated market, we understand the importance of not only meeting market expectations and requirements but surpassing them while simultaneously ensuring sustainability and operational efficiency.



An Integrated Management System enables organizations to apply a comprehensive and unified management model for the continuous improvement of their operational processes in various areas, through obtaining Certification in International ISO Standards, recognized worldwide.



[Learn more](#)



# Socio- Environmental Initiatives





# Jovens Florestas Project

The Jovens Florestas Project aims to create opportunities for vulnerable young people by installing and maintaining seedling nurseries and vegetable gardens in socio-educational units, enabling new sustainable paths in their lives.

Clam is an important partner of Jovens Florestas, acting as a technical consultant for the development of the project and training of adolescents in planting, cultivation and management methods, as well as reuse, composting and inventory and compensation of GHG emissions.



# Alazão Project

The Alazão Project works to welcome, treat, rehabilitate and adopt large animals that are victims of abuse and abandonment.

In addition to providing essential veterinary care, it also promotes awareness about animal welfare and the importance of responsible adoption.



# Thank You!



Click on the icon to be redirected



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**CTLog – Technical and Logistics Center**

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**North / Northeast Branch**

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