

Mining Services



Mining Services



Yordas Group is a leading global provider of scientific, environmental and regulatory consulting services. Yordas offers comprehensive services to the mining industry, from the exploration and concept development stage to mine closure. Our objective is to support our clients deliver sustainable mining projects. As a strategic partner, Yordas is focused on adding value throughout the lifecycle of a project.

Environmental Management Services

Yordas provides a wide range of environmental management services to support mining clients comply with environmental regulations. The diverse skill set from our multidisciplinary team can add value to your mining project by incorporating best practices and innovative environmental solutions.

- Permitting and regulatory compliance
- Environmental assessment
- Environmental management systems
- Environmental due diligence review

Stakeholder Engagement and Risk Communication

An effective stakeholder engagement programme is critical for the successful development of a mining project. Early and proactive engagement can help earn the support of the community in which it operates. With the use of innovative tools, we can efficiently develop a stakeholder engagement program that will help improve the social acceptance of the project.

- Stakeholder engagement strategy
- Support for engagement activities
- Risk communication
- Issues management and monitoring

Sustainability and Product Stewardship

Yordas offers sustainability management services to support mining clients with the integration of sustainability practices into their operations. We also offer substitution strategies of chemicals used in the process to promote sustainable substitutions. Our sustainability and product stewardship services can help reduce project risk and improve performance.

- Corporate sustainability strategy
- Sustainability reporting
- Sustainability communication
- Substitution strategies

Chemical Regulatory Services

Our regulatory experts can provide global support for chemical regulations applicable to your mining project. Our team also includes scientific, (eco)toxicity, risk assessment and chemicals management specialists, while our network of trusted partners ensures we can provide regulatory interpretation and direct communication with regulatory authorities globally.

- Chemical regulatory scoping studies
- Preparation of regulatory submissions
- Chemical regulatory compliance
- Laboratory testing strategies

Toxicology and Risk Assessment

Our team of experts in toxicology and ecotoxicology can provide risk assessment services that are tailored to meet your needs. Through a thorough scientific assessment, we can help with the identification of risk management measures that are proportional to the level of risk a hazardous substance or activity presents.

- Human and ecological health risk assessment
- Hazard identification
- Exposure scenarios
- Risk management

Environmental Modelling

With the use of our extensive experience in fluid flow and geophysical modelling, Yordas can provide bespoke modelling solutions to assess the environmental implications of your project. We can help assess complex environmental systems while maximising the use of existing data.

- Bespoke modelling techniques
- Contaminant dispersion
- Tailings slope stability prediction
- Environmental modelling for mine closure

Mining Stages

Integrated regulatory and scientific services applicable to every project phase...

Exploration and Development

Mineral exploration and development are the first activities towards building a sustainable mining project. Yordas has the expertise to support mining developers globally with project planning, regulatory compliance and social acceptance.

- Stakeholder engagement strategy
- Environmental assessment
- Permitting and regulatory compliance
- Modelling of potential environmental effects
- Acid rock drainage and metal leaching assessment
- Environmental due diligence reviews



Mineral Processing

Our team of scientists can add value to your mineral processing activities by helping clients improve ore recovery and product quality, while optimising capital expenditure and operating costs. Yordas can also apply leading edge science and technology to prepare substitution assessments that will result in more sustainable processing activities. We also collaborate with a global network of laboratories that supply innovative testing methods. We complement the analytical services with unrivalled scientific interpretation.

- Substance characterisation and mineralogy
- Sampling and test work strategies
- Substitution strategies
- Chemical horizon scanning
- Risk management and control
- Process safety investigation



Yordas can help improving operational efficiencies by offering a variety of services designed to successfully manage project permitting and environmental performance while sustaining a social license to operate. Our team of experts provide creative solutions tailored to unique project needs.

- Public and stakeholder engagement
- Environmental management systems
- Corporate sustainability strategy
- Regulatory compliance and permitting
- Risk management and control
- Contaminant dispersion modelling

Mining Operation



Sustainable mine closure is an integral part of the mine life cycle. Yordas can support the closure and rehabilitation activities with innovative science to achieve chemical stability of tailings. Through our global regulatory expertise, we can also identify and manage regulatory requirements associated with closure and reclamation activities.

- Permitting and regulatory compliance
- Risk assessment
- Waste characterisation (tailings, waste rock)
- Acid rock drainage monitoring
- Long-term environmental modelling for mine closure
- Chemically induced tailings instability modelling

Closure and Reclamation



Project Example

Mineral Processing

Yordas can analyse your concentrate to identify any impurities present, including organic flotation reagents.

Based on the results of the analysis, Yordas can recommend measures to maximise the ore processing efficiency and to reduce the presence of impurities in the concentrate.

Project Example

Exploration and Development

Compliance with international sustainability standards can help an exploration company build asset value, enhance its company branding and build a sound reputation.

Yordas can review compliance with IFC's Performance Standards on Environmental and Social Sustainability and the Equator Principles. We can support you in demonstrating your adherence to those principles through the preparation of a stakeholder engagement program, a sustainable development strategy or an environmental management system.

Project Example

Mining Operations

Yordas can utilise your site data to characterise the geophysical and fluid properties present in the local lithosphere.

Those characteristics provide a basis for numerical modelling techniques that can: simulate the flow path through porous media of certain substances; predict slope stability of tailings; and assess long-term contaminant containment protocols.


About Yordas






Yordas is a leading provider of scientific, environmental, human health, and global regulatory consulting services. Our unique collaborative approach is designed to build strong working relationships, allowing us to create a customised and integrated service specifically tailored to the needs of each individual customer.



Contact us

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