

AMPHOS 21

Amphos 21 Consulting, S.L.
Barcelona, Spain

AMPHOS ²¹
SCIENTIFIC AND STRATEGIC ENVIRONMENTAL CONSULTING

**ABOUT**

The company started its activity in 1994 and adopted its current denomination, Amphos 21, in 2007. Since its inception, Amphos 21 has developed its activity at an international level, with a special focus on R&D projects.

They offer scientific, technical and strategic consulting in different fields related to the environment, in particular Nuclear, Mining, Water, Sustainability and Oil&Gas.

Amphos 21 consists of 4 companies established in Spain (1994), Chile (2009), Peru (2012) and France (2012). They develop studies and projects in many countries, in addition to the the countries of operation: Sweden, Finland, Germany, UK, USA, Belgium, Canada, Japan, Panama, Colombia, etc.

**EXPERTISE
MARKETS**

Nuclear: Amphos 21 offers consultancy in the entire nuclear fuel cycle as well as in all the issues related to radioactive waste management. More than 25 years of expertise as international consultants are behind us.

Mining: They offer consulting engineering services to the mining industry in water resources management in the various stages of the mining process. Our services are aimed at generating pragmatic solutions whose design is based on a thorough understanding of the system and in continuous communication with the client.

Water: Amphos 21 offers consulting services throughout the water cycle, with specialised services and high added value in the fields of hydrology, hydrogeology, hydrochemistry, numerical modelling, environmental impact assessment and public participation. We also offer expert advice on the characterisation and management of soil, groundwater and contaminated sites.

Sustainability: Amphos 21 offers consulting services aimed at promoting sustainable development for both the public administration and the private sector.

Oil&Gas: They offer consulting services in geochemistry, hydrogeology, mathematical models, social risk perception and public participation to companies that develop and manage projects related to exploration, extraction, transportation and oil and gas storage, including the geological storage of CO₂.

R&D: R&D is the basis of the company's development. They have been carrying out research and development activities since their birth in 1994, either as self-supported activity or in collaboration with clients. As a transversal activity to all of their market sectors, they develop

R&D projects in a vast majority of their activities.

Advanced numerical modelling: Numerical modelling is a key tool in geosciences and engineering. It is very useful for gaining additional information in physical-chemical processes, to predict the behaviour of complex geological systems, to assess the performance of engineering works, as well as to demonstrate the efficiency of new technologies and prototypes.

SERVICES**Nuclear**

- Experimental and modelling studies
- Radioactive waste repository performance assessment & siting
- Environmental and radiological impact of radioactive waste storage and disposal facilities
- Expert advice to authorities in waste management related issues and risk assessment
- Consulting in NORM and TENORM issues
- Risk perception and risk communication

Mining

- Acid Mine Drainage
- Mine Hydrology
- Hydrometallurgy
- Water Resources
- Environmental Hydrogeochemistry
- Engineering
- Mine closure
- Environmental Impact Assessment

Water

- Assessment and management of water resources
- Water quality and pollution control
- Water and environmental strategies
- Groundwater and engineering services
- Management plans of contaminated sites
- Risk analysis, file management
- Environmental Due Dilligences (EDD)

Sustainability

- Waste and pollutants management
- Environmental management and policy development
- Environmental and energy policies
- Strategic environmental communication
- Green economy and sustainable development

Oil&Gas

- Research, characterisation and development of geoscientific studies
- Mathematical modelling and multiphysics process simulation
- R&D and innovation projects
- Geological monitoring and characterising
- Hydrogeology and geochemistry
- CO₂ Recovery
- Risk Analysis
- Environmental impact studies
- Public communication and perception

Amphos 21 has a multidisciplinary team of over 100 highly qualified professionals in various disciplines, such as chemistry, geology, engineering, environmental science, hydrogeology, geochemistry, physics, biology, environmental communication, economics, information and communication technologies.

**MORE INFORMATION**

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