



Respecting the environment is a permanent goal of our approach, a global approach to sustainable development .

Protection of the environment and the sustainable development represents our society's major challenges. Climate, biodiversity management, scarcity of raw materials, global supply and energy issues require an interdisciplinary approach.

Through our experts, competence and the great commitment of our teams, we provide a comprehensive set of sustainable design services for the benefit of our clients.

Our multidisciplinary team works along with our technical team so that all the studies carried out by JESA comply with the environmental standards in force. Since its creation, the environment department has specialized in environmental engineering, numerical impact modeling as well as environmental and social impact studies.

We have achieved several LEED certified projects in Morocco, and our qualified professionals try hard to design innovative installations that protect the environment and improve the quality of life. We offer cost-effective solutions that meet LEED certification requirements, applicable codes, and energy targets.

Our Missions

- Environmental diagnosis;
- Environmental and social impact studies;
- Environmental audit;
- Environmental feasibility studies;
- Improving the environmental performance of buildings
- Environmental infrastructure;
- Mitigation and adaptation measures to climate change;
- Modeling of atmospheric releases and liquid dispersion;
- Specific studies for reducing atmospheric emissions, liquid discharges and waste;
- Support for the implementation of environmental certifications (ISO, HQE, LEED, etc.);
- Regulatory watch;

- Support in getting the necessary permits for the projects execution.

Fields

- Sustainable development
- Water
- Energy
- Environment
- Environmental quality
- Industrial risks
- Socio-economics
- Environmental follow up on site
- Urban planning

ENVIRONMENT

JESA

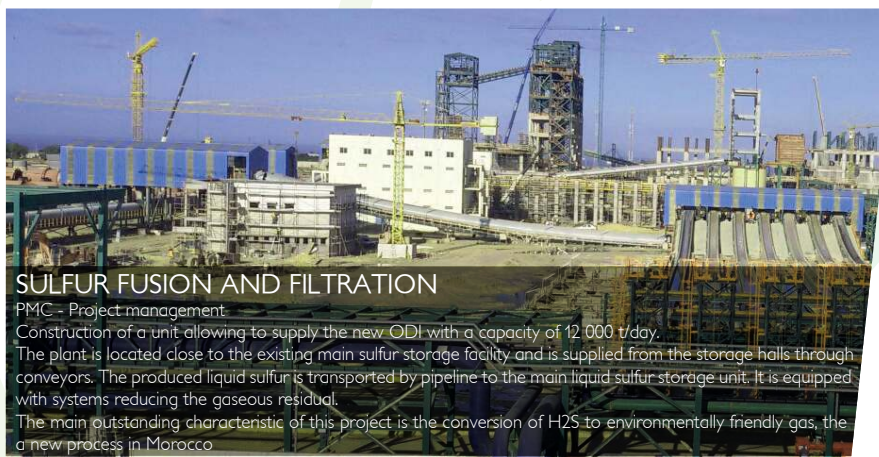
Flagship Projects



DOWNSTREAM - FILTRATION AND DRYING / MITIGATION OF EMISSIONS

PM / CM- Project Management and Construction Management

This project consists of the production and export of phosphate, 10,5 * mtpa, transported by the pipeline to the plant terminal station. The latest technologies are implemented on Downstream such as: the largest dryers in the world (1100 T / h, 75m high), a filtration technology through conveyors, filter press, gas treatment unit for the protection of the environment and others. It is the world's first phosphate pulp drying, filtration plant, and the world's largest phosphate drying unit with flash dryer technology.



SULFUR FUSION AND FILTRATION

PMC - Project management

Construction of a unit allowing to supply the new ODI with a capacity of 12 000 t/day.

The plant is located close to the existing main sulfur storage facility and is supplied from the storage halls through conveyors. The produced liquid sulfur is transported by pipeline to the main liquid sulfur storage unit. It is equipped with systems reducing the gaseous residual.

The main outstanding characteristic of this project is the conversion of H₂S to environmentally friendly gas, the a new process in Morocco



Biodiversity Diagnosis of the Phosboucraa Mine



GREEN MINE

PMC - Project Management

This innovative project of urban development, established on old mining installations, is driven by the respect of the environment and by the improvement of the urbanistic and architectural quality of the city, providing an exceptional living environment to the region of Khouribga.

The Green Mine represents the national SHOWCASE in terms of ecological development with its CO₂-free corridor, solar energy, its Canadian wells and its management of water and energy consumption.



GREEN CITY

PMC - Project Management

This project implements the concept of smart city and sustainable development. The social and environmental investment includes a competitive urban model. The Green City is designed to be organized in five neighborhoods called "urban modules".

One of the outstanding features of this project is the promotion of green spaces that encourage people to use environmentally friendly modes of transportation. This project is certified LEED ND.