

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENTS

Comprehensive baseline studies, integrated impact assessments and collaborative risk analysis are the building blocks of our Environmental and Social Impact Assessments (ESIA) and Environmental Impact Statements (EIS). A well written ESIA or EIS will not only achieve project approval but will also provide a sound basis for project management.

Our experience with large, complex projects shows that early consideration of environmental and social impacts with appropriate community engagement can significantly influence the long term success of a project.

We provide project management and co-ordination services to ensure that the scope and objectives of baseline and impact assessment studies are achieved. By supporting the effective completion of the project approval process we help ensure a smooth transition to operational planning.

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Archer River, Aurukun - potential impacts relating to bauxite mining

Sustainable Solutions Global will help you:

- ⊗ **Meet regulatory and legal obligations** for government approvals.
- ⊗ **Minimise social and environmental project risks** through comprehensive baseline studies and sound technical advice on relevant and realistic risk management solutions for project design, implementation and closure.
- ⊗ **Enhance company reputation** with pro-active social and environmental management and mitigation strategies.
- ⊗ **Access external technical expertise** across all environmental and social aspects of a project including biodiversity assessments, water quality and soil characterisation, vegetation surveys, greenhouse gas audits, community health assessments, human rights obligations, cultural heritage surveys and socio-economic assessments.
- ⊗ **Avoid delays through effective and efficient project management** for timely delivery of your ESIA or EIS.
- ⊗ **Implement appropriate community and stakeholder engagement and support** to provide a clear analysis of community sentiment and strategies for ongoing community engagement and development.
- ⊗ **Strengthen the capacity of your project staff** to understand social and environmental aspects of project design, implementation and closure through formal capacity building events and on-the-job training.

The SSG Approach

Sustainable Solutions Global provides strategic advice and independent social, environmental and management expertise for the mining, oil and gas, energy, transport and agricultural industries.

We strive to maximise the social, environmental, and economic benefits of a project while minimising risks. We recognise that a solution will only endure if concerns and opportunities are balanced across all project stakeholders.

Comprehensive Baseline Studies

We work with our clients, government regulators and community representatives to ensure that baseline characterisation studies are appropriately scoped and resourced for the project location, environmental and social issues and potential direct and cumulative impacts.

Integrated Impact Assessments

We provide project management and co-ordination services to ensure that the scope and objectives of your ESIA are achieved on time and in budget. Well written impact assessments help ensure a smooth transition to operational planning and provide the foundation for sound project closure planning.

Collaborative Risk Analysis

Risk workshops are facilitated by our team to prioritise risks and develop agreed mitigation strategies for environmental and social impacts, with strategic input from project teams. This process provides an opportunity to clarify and discuss key risks and agree on mechanisms for avoiding, managing or compensating for project impacts.



Butterfly pollinators



Cultural Excavations



Cultural heritage surveys



Long-term social impacts

NOTABLE PROJECTS

Kelian Gold Mine, Indonesia

SSG managed the ESIA for alluvial gold mining and wetland construction for this mine in East Kalimantan. The wetland was designed as a critical component of the sustainable post-closure land use and water mitigation strategies for the mine.

Coal Seam Gas, Australia

We developed scoping studies for the Social Impact Assessment of this large central Queensland project using social performance management systems in collaboration with the client's corporate team. We were then commissioned to undertake the Social Impact Assessment of associated water (a by-product of gas extraction).

Central Kalimantan Coal, Indonesia

The in-migration impacts of a proposed coal mine were assessed by SSG in collaboration with the project team.

The environmental and social impacts and mitigation strategies were documented and prioritised using a comprehensive risk assessment process then priority actions delegated in accordance with project team responsibilities.

South of the Embley Bauxite Mine, Australia

We project managed the Social Impact Assessment and coordinated the community consultation process involving extensive engagement with local indigenous and non-indigenous stakeholders throughout Cape York.

Argyle Diamond Mines, Australia

SSG reviewed environmental and social studies for the open cut mine to advise on the scope of impact assessment studies required to transition to underground mining.

Sepon Gold & Copper mine, Lao PDR

From 2005 to 2013, SSG has project-managed the Environmental and Social Impact Assessment studies for all mine expansion projects, including a new tailing dam, power lines, processing plants, staff accommodation, new pits and associated infrastructure.

The studies involved collecting baseline data for both environmental and social impacts, and developing impact mitigation and management strategies in collaboration with project and Government personnel. Our involvement contributed to timely approvals and a smooth transition into the operational phase.

