OUR ENVIRONMENTAL CAPABILITIES IN INDIA
Arcadis is a global natural and built asset design and consultancy firm working in partnership with clients to deliver sustainable outcomes that help to improve the quality of life. Through the work that we do, we are helping our clients to address the toughest challenges within the built and natural environments, delivering value for them and the communities and cities that we live in.

Throughout the globe we employ more than 28,000 consultants in more than 40 countries and deliver €3 billion in revenue. Within Asia we have access to almost 5,000 people based in over 50 offices across the region and enjoy a successful history dating back more than 80 years.

Within Asia we have a dedicated team of environmental and safety & risk management experts across a number of locations including India, China and the Philippines. In India we have offices in Delhi, Mumbai, Bangalore, Chennai, Kolkata, Hyderabad and Pune. We also have a number of strategic alliance partners which enable us to combine global expertise and leading technical solutions with in-depth local market insight.

In India since 2001, ARCADIS provides cost effective and efficient technical resources supporting the needs of our clients. We merged with Malcom Pirnie in 2009, incorporated with Langdon & Seah, Asia’s leading cost consultancy in 2012 and integrated with SENES in 2013, further strengthening our Environmental expertise in India.
India is one of the world’s fastest growing economies, recording 7.3% GDP growth in 2014. The World Bank is predicting further growth in 2015 (around 8%) as the country continues to develop on many fronts. With a population of more than one billion people and a pro-business government now in place the future looks very bright for the country.

However, despite the impressive level of growth over the last decade, India remains an emerging economy and further investment is required in a number of areas to support the country’s longer-term development. This is particularly the case for the country’s infrastructure with significant investment needed to help improve India’s waste management systems, grow the clean energy sector and to reduce some of the health and safety risks that remain common across India today.

A bi-product of India’s rapid growth over the last decade has been a negative environmental impact. Whilst privatisation, liberalisation and globalisation have been three of the biggest trends within the India economy, concerns around global warming and climate change has seen the environment emerge as a matter of great concern at both the municipal and national level.

As well as a growing environmental consciousness, tighter regulations and standards and a concerted focus on increasing resource efficiency, has meant that businesses operating in India are now under greater pressure than ever before to factor environmental concerns into core business decisions. This will be crucial in order to manage and minimise potential present and future liabilities, and to provide certainty around sustainable business outcomes.
OPTIMISING BUSINESS PERFORMANCE BY REDUCING RISK AND PROTECTING PEOPLE AND THE ENVIRONMENT

OUR TEAM FOCUS ON HELPING OUR CLIENTS TO:

The main strength of ARCADIS is to assist in the protection of our environment, preservation of resources and enhancing the quality of life. Our team focus on helping our clients to:

- Turn environmental challenges into a competitive advantage
- Create sustainable solutions that add value to the bottom line
- Deliver high levels of safety and business performance

“We currently deliver solutions for companies across a variety of sectors including Chemical and Pharmaceutical, Oil & Gas, Automotive, Conglomerates, Aviation, Financial Institutions, Mining and Commercial Developers.”
We use environmental and safety expertise to support client’s critical business investment, operating, and reputation decisions. By integrating environmental innovation along with safety and risk management, Arcadis is a leading player in developing technical and business-focused solutions that help underpin the safe operation, environmental sustainability and ultimate success of some of the world’s leading companies.

- Providing Business Assurance: offering certainty that operations and products are complying with EH&S regulatory obligations.
- Environmental Site Assessment & Due Diligence: evaluation of environmental and safety liabilities from mergers, acquisitions and divestiture.
- Safety & Risk Management: safety and catastrophic failure risk management to protect employees, the public and assets.
- Sustainable Operation: development an implementation of programmes and systems to operate assets in a manner which is sustainable and provides an economic benefit.

All Environmental and Safety & Risk Management challenges are unique and as such require an offering that is specifically tailored to meet our clients’ needs. At Arcadis we focus on delivering measurable positive outcomes by combining outstanding credentials and technical excellence.

Our talents are aligned in the following value propositions.

1 STRATEGIC ENVIRONMENTAL CONSULTING

- Product Stewardship: product registration and environmental aspects of supply chain management.
- Management Systems: develop and operate systems to track and report environmental and safety requirements and sustainability obligations.
- Climate Change & Sustainability: design and delivery of energy audits & due diligence, greenhouse gas emission, clean development mechanism, climate change & adaptability, carbon footprint assessment, sustainability services & reporting, and corporate social responsibility planning obligations.

2 SITE EVALUATION & RESTORATION

We bring industry leading restoration consulting and engineering expertise to plan and design the most appropriate solution to achieve a positive client outcome. We use innovative risk and remediation strategies to turn liabilities into assets.

- Financial and Risk Management: manage risks associated with environmental liabilities and asset portfolios.
- Restoration Strategy: collaborative consulting to develop an end-state vision and establish clear objectives that are aligned with business goals.
- Site Evaluation: maximise investment returns by focusing on what is necessary to achieve the lowest life-cycle remedy.
- Site Restoration: deliver full spectrum of world class environmental capability in project execution and management.
- Environment Construction: the delivery of complex environmental and restoration programs to safely and cost effectively achieve targets and reduce risks.
ENVIRONMENTAL PLANNING

We understand that our clients are operating in an increasingly complex social and political environment and therefore, by addressing their challenges at an early stage, we enable our clients to focus on their core business activities.

- Environmental Impact Assessment: anticipate and manage positive, potential negative/cumulative, intended/unintended impacts of projects.
- Environmental, Social & (Public) Health Impact Assessment: use effective solutions to assess corporate ESHIA requirements versus local EIA regulations, and develop bankable ESHIA as per IFC’s Performance Standards and Equators Principles for international financial institutions, private equity funds and private clients.
- Ecology: protect and conserve biodiversity to avoid threats to ecosystems and improve the redevelopment and beneficial reuse of valuable natural resources.
- Social: address and mitigate social risk through assessment of social impacts, community engagement & stakeholder consultation, rehabilitation and resettlement of project affected people.

SOLID AND HAZARDOUS WASTE MANAGEMENT

We assist government agencies, financial institutions, and private companies on a broad range of solid waste issues. These include waste management system & master planning, the assessment of risks associated with specific practices such as incineration; evaluations of impact from proposed facilities; auditing and development of waste reduction work plans; public consultation; evaluation and selection of appropriate technologies and assisting in approvals. Our specialist service includes:

- Feasibility Studies, DPR and Master Planning: waste quantification, characterization, future projection and preparation of waste management plan which includes waste segregation, collection & transportation, treatment, disposal and recycling.
- Site Selection & Assessment: selection of waste treatment & disposal facility site, environmental and social criteria mapping and assessment for site selection, public and stakeholder consultation.
- Waste Treatment Facility & Landfill Design: design of waste treatment – composting, anaerobic digestion, incineration and waste to energy; landfill design, capacity assessment, layout plan and technical specifications.
- Landfill Closure & Gas Extraction System Design: landfill gas potential assessment, closure plan and technical specification, gas extraction system design, flaring and utilization design.
- Implementation Assistance & Construction Supervision: project management, independent engineering and project implementation support, contractor management, quality control & verification, bill of quantities.

“We are an EIA Consultant accredited by the Quality Council of India to deliver projects, providing regulatory environmental clearance for the Ministry of Environment, Forest and Climate Change and State EIA Authorities in India.”
1. EIA of Gas Based Power Project for GVK, Andhra Pradesh, India
2. Landfill Closure & Gas Recovery, Delhi, India
3. EIA for Copper Ore Mine, Madhya Pradesh, India
4. Environment Management Support for CBM Exploration, BP, West Bengal, India
5. EIA for Offshore LNG Terminal, West Bengal, India
6. Biodiversity Framework for O&G Sector in East Godavari Estuarine Ecosystem, India
7. EHS & Social Audit for Ultra Mega Thermal Power Project, Mundra, Gujarat, India
8. ESIA & Due Diligence for various solar power projects, India
9. EIA of Iron Ore Mine, Orissa, India
10. EIA of Oil Pipeline, India Oil, India
11. Phase I Due Diligence for manufacturing facility, India
12. ESAP Implementation, Thermal Power Project, Jharkhand, India
13. ESIA & Due Diligence for various wind energy projects, India
14. National Plan for Rehabilitation of Polluted Sites, India
15. EMS Support Service, Cairn Energy Upstream Facility, Barmer, India
16. Phase I Due Diligence for hospitality project, India
“Within Arcadis Asia we have access to almost 5000 people based in 50 unique offices across the region. Throughout Asia-Pacific we have completed environmental projects in China, India, Bangladesh, Myanmar, Thailand, Singapore, Malaysia, Indonesia, South Korea, Japan, HK, Taiwan, Vietnam, Australia and New Zealand.”
“We all deserve a clean, safe environment in which to live. Now more than ever, organizations recognize the need to integrate environmental factors into core business decisions. Translating the value of clean water, air and land into economic terms is crucial for success within today’s business environment. By truly integrating environmental innovation and engineering services, Arcadis has become a global leader in developing creative technical and financial approaches for the success and sustainability of some of the world’s leading companies. We help convert environmental challenges into a competitive advantage. We partner with our clients, help mitigate risks, and deliver guaranteed solutions through the development of viable, sustainable solutions that add value to the bottom line.”