



# Sustainability and ESG Solutions

nangia nXt



# Table of Contents

1. Introduction   Nangia NXT	03
2. Introduction   Sustainability & ESG Solutions	04
3. Our Services	05
4. Climate Change Advisory	06
5. Corporate Sustainability and Social Responsibility Advisory	10
6. Environment, Social and Governance (ESG) Service	14
7. Nature based Solutions (NbS)	17
8. Meet Our Experts	20



## Introduction | Nangia NXT

Established in 1984, Nangia Group has evolved into a leading business advisory firm in India, offering a comprehensive range of services spanning Audit, Assurance, Taxation, Financial Advisory, IT and digital advisory, Risk advisory, Cybersecurity, ESG and sustainability solutions. Over the past four decades, we have been dedicated to enhancing the businesses of our diverse clientele, including some of India's largest business conglomerates and Fortune 500 multinational corporations.

Our growth is a testament to the exceptional client service provided by our team of over 1000 professionals, known for their excellence in the industry.

The group has a marked domestic presence with strategically located offices in major cities, including Noida, New Delhi, Gurugram, Bengaluru, Mumbai, Chennai, Dehradun, and Pune.

Through Nangia NXT, we are taking a leap towards developing super-specialty in niche services such as Healthcare, Digital Transformation/Technology, Sustainability Solutions, Government and Public Sector, and Cybersecurity.

# Introduction | Sustainability & ESG Solutions

ESG management can be a complex undertaking, but we have simplified and enhanced it through our comprehensive digitized platform. Designed to streamline the entire ESG management process for corporate entities, we offer holistic, user-friendly, and precise solutions.

We have digitized and optimized all the workflows and processes associated with ESG mapping and reporting. This has facilitated data acquisition in two ways: automated integration with existing tech systems and customizable data forms capable of collecting information from various respondents while adhering to predefined data flow procedures.

Setting itself apart, our digitized platform provides an all-in-one solution for ESG Assessment, Monitoring, and Reporting. Its key features include:

## Reflect & Assess

- Maturity Mapping
- Peer & Sentiment Analysis
- Materiality Assessment

## Plan and Approve

- ESG Planning
- ESG Risk Assessment
- ESG Target Setting & Approval

## Implement and Report

- Impact Project Implementation
- Data collection - ML / AI Engine
- Sustainability Reporting

We believe net zero is not just a vision but a responsibility to reduce our environmental footprint of emissions, pollutants, water use, and waste.

- ✓ **CAPTURE it right** - Accurate and real time data acquisition for emission, energy, effluents, water and waste into a single sustainability repository. Right accounting starts with right data.
- ✓ **ACCOUNT it right** - Holistic Sustainability accounting and inventory planning that complies to international standards.
- ✓ **REPORT it right** - Automated sustainability reporting as per GRI, CDP and other frameworks. We provide full reporting and benchmarking service through a detailed questionnaire (300+ data points). Reports include quantitative scoring and reporting benchmarked against sector, international standards, UN SDGs, self over time from a reputational risk perspective. These services are delivered via a secure, proprietary cloud-based platform.



# Our Services

## Climate Change Advisory

- Policy and Strategy Development
- Carbon Projects Development
- Climate Change Adaptation
- Corporate Climate Actions
- Climate change presents financial risk to the global economy
- Assessing and managing climate-related risks & opportunities
- Integrating climate related risks and opportunities

## Corporate Sustainability and Social Responsibility Advisory

- Sustainability Reporting and Assurances
- Environment, Health and Safety (EHS) Services
- Lifecycle Assessment & Sustainable Supply Chain Services
- Energy Advisory
- Corporate Social Responsibility Services
- Circular Economy

## Environment, Social and Governance (ESG) Services

- ESG Framework and Strategy Development
- ESG Due Diligence
- ESG Rating
- Responsible Investment (RI) Advisory

## Nature based Solutions (NbS)

- Corporate Biodiversity Solutions
- Forestry and Ecology Advisory
- Rivers and Wetlands Studies





## Climate Change Advisory

- Policy and Strategy Development
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01

Climate change is a complex, multi-stakeholder problem that spans portfolio strategy, operations, product design, marketing, investor relations, and more. Addressing climate change can be challenging, but also presents opportunities for growth.

We can help you create a differentiated strategy to capture value from your reduced carbon footprint. Our climate change consultants can help you systematically reduce the carbon intensity of your operations, supply chain, and product mix - asset by asset and product by product.

## Policy and Strategy Development

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Given what we know today about the emerging climate risks, there is a clear need for the Government to adapt to the actual impacts of climate change and build resilience.

Climate risks can impact different locations in different ways, and are often hard to predict. Multiple stakeholders, may also have different views of the trade-offs involved in adaptation plans. Our experts can support the Government in assessing its exposure to climate risks and also developing climate strategies that address peculiar challenges.

We also develop Action Plans for taking decisive steps to tackle the climate crisis and build a clean energy economy. Besides, we render technical support in implementing Measurement, Reporting and Verification (MRV) requirements under the UNFCCC.

- National Policy and Programme on Climate Change
- Development of National Climate Action Plans
- MRV Frameworks
- Vulnerability Assessment



## Carbon Projects Development

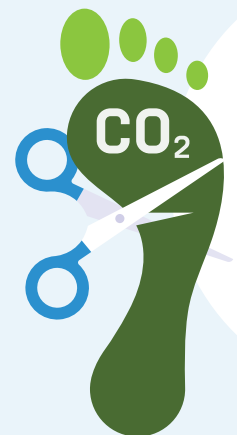
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Carbon credits or offsets are consequential in the battle against climate change. They enable companies to support decarbonization beyond their own carbon footprint and also help finance projects for removal of carbon dioxide from the atmosphere.

Our team can assist in developing Carbon-Reduction Projects that generate Carbon Credits in line with the criteria specified by independent standards such as Gold Standard and Verified Carbon Standard (VCS).

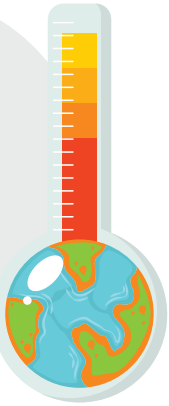
Further, we deliver enhanced Carbon Asset Management Plans to source Carbon Credits and fulfill clients' climate commitments and drive real climate impact.

- Carbon Reduction Project Idea Development
- Carbon Offset Project Development (CDM, VCS, GCC, Gold Standard and Others)
- Carbon Credit Transactions
- Carbon Asset Management



## Climate Change Adaptation

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Climate change is here, and we certainly can't future-protect the planet with mitigation efforts alone. Corporates as well as governments will need to consider adaptation and resilience plans.

Our proficiency helps you to build systemic resilience to withstand and recover from a range of hazards. Our strategies necessarily incorporate early-warning systems and ensure financial backstops for damages.

- Building Climate Change Resilience and Adaptation Strategies
- Climate Risk Assessments
- Implementation of Climate Change Adaptation Strategies
- Disaster Risk Reduction (DRR) Action Planning
- Climate Change Resilience and Adaptation Audits

## Corporate Climate Actions

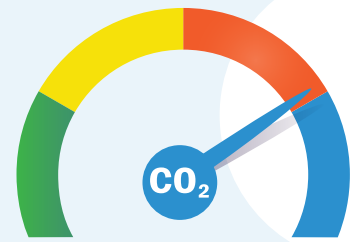
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In order to avoid potentially catastrophic climate change, the consensus is that we have to fully decarbonise - reach 'net zero' - by around 2050.

There is a major opportunity for companies to make a concrete contribution to decarbonization. We can help you embed sustainability in every facet of your strategy and operations.

Our consulting expertise extends to GHG accounting, building a carbon pricing mechanism to internalize climate and environmental externalities, setting targets in line with the Paris Agreement and devising carbon neutralization strategy.

- GHG Accounting (ISO 14064)
- Internal Carbon Pricing (ICP)
- Corporate Decarbonization Policy, Strategies and Roadmap
- Carbon Neutralization Strategy
- Net Zero Target Setting, Strategy, and Roadmap
- Science Based Targets (SBTi) for Corporates



## Climate change presents financial risk to the global economy

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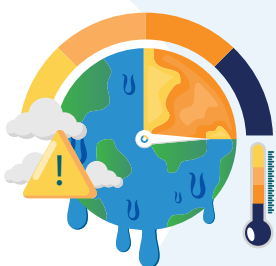
Financial markets need clear, comprehensive, high-quality information on the impacts of climate change. This includes the risks and opportunities presented by rising temperatures, climate-related policy, and emerging technologies in our changing world.



The climate risk disclosures have three-fold benefits, such as

- a. Risk assessment - More effectively evaluate climate-related risks to your company, its suppliers, and competitors.
- b. Capital allocation - Make better-informed decisions on where and when to allocate your capital.
- c. Strategic planning - Better evaluate risks and exposures over the short, medium, and long term.

## Assessing and managing climate-related risks and opportunities



We understand that every business has unique challenges on assessing and managing the climate-related Risk and Opportunities. Even two companies in the same sector will be very different based on their current operational boundaries, future plans, technology portfolio, and growth aspirations. Our multidisciplinary teams can assist you in understanding transition risk and physical risk approaches to identify associated climate scenarios, Physical hazards, and transition risks and followed by the risk assessment methodologies.

We can also provide you with an analysis of different climate risk assessment tools and their pros and cons so that you can take an informed decision.

## Integrating climate-related risks and opportunities

It denominates investors making investment decisions that include considerations of all material factors, including climate-related risks and opportunities. Our services are well-placed to assist asset owners in integrating climate change risks and opportunities into their core processes. Our team can assist them to follow the recommendations in line with the TCFD framework including the technical guidance on scenario analysis. The areas that can be focused are as follows:

- **Intention to disclose:** In line with TCFD recommendations and with the key pillars of the framework.
- **Governance:** Current scenario and how this has changed (or will change in the future) with respect to the TCFD recommendations.
- **Strategy:** The strategy for identifying the risks and opportunities related to climate change (along with the short, medium, and long term).
- **Risk management:** The process for assessing and integrating climate-related investment risks (physical and transition) into investment decisions.
- **Metrics and targets:** The use of climate-related metrics as part of the investment process. These metrics are important for both low-carbon or climate-aligned focused mandates, as well as for broader, integrated mandates.





## Corporate Sustainability and Social Responsibility Advisory

- Sustainability Reporting and Assurances
- Environment, Health and Safety (EHS) Services
- Lifecycle Assessment & Sustainable Supply Chain Services
- Energy Advisory
- Corporate Social Responsibility Services
- Circular Economy

02

Concerns about the changing global climate - and the effect of human activity on ESG factors - has been gathering momentum and urgency. Sustainability and Social Responsibility has emerged as a critical value driver and a strategic priority that involves significant business risks and opportunities.

More businesses are adopting sustainability as a core corporate strategy because of the financial potential of sustainable opportunities. Our experienced sustainability professionals can help you with a full range of advisory services to ensure your business is ready to flourish with a sustainable future.

## Sustainability Reporting and Assurances

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Building trust through rigorous and transparent reporting and assurance, allows you to meet investors and stakeholders needs, and provide valuable insights about how your company's addressing risks and opportunities.

Through our proactive and innovative approach, we can help with insights on an ever-expanding range of reporting and assurance services, including TCFD Reporting, TNFD Reporting, and more.

- Corporate Sustainability Report Preparation (BRSR, GRI, IIRC, UNGC and others Global Frameworks)
- Materiality Assessment
- Carbon Disclosure Project (CDP) Reporting
- Task Force on Climate-Related Financial Disclosures (TCFD) Reporting
- Taskforce for Nature Related Financial Disclosures (TNFD) Reporting
- Assurance of Sustainability Reports (ISAE3000 or AA1000AS)



## Environment, Health and Safety (EHS) Services

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The compliance and operational issues in managing EHS risks are expansive and intricate. Managing EHS risks can have a positive impact on productivity and financial performance.

Through deep knowledge and subject-matter experience across the EHS spectrum, we can help reduce the risks of adverse effects on EHS. Further, we can help you make strategic and operational decisions that drive real productivity outcomes.

- Assessment of EHS Compliance against ISO Standards and Implementation of EHS Management Systems
- Integrating EHS Management into Business Operations
- Development of EHS Strategy, Safety Culture and Behavioral Maturity Assessments
- EHS Risk Assessment
- Preparation of Environment and Social Impact Assessments (ESIAs)



## Lifecycle Assessment & Sustainable Supply Chain Services

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The effects of the pandemic and trade wars are still rippling through supply chains. Incorporating resilience metrics into supply chain KPIs helps an organization to ensure supply chain decisions are made in a way that balances efficiency and vulnerability. We combine the right mix of planning, deep domain expertise, and a rich database of your industry's KPIs to create highly effective, customized solutions for sustainable supply chains.

Since supply chain risk is a continually moving target, we also conduct regular stress tests and reviews to ensure its resilience measures remain appropriate. Besides, we assess the end-to-end environmental impacts of a business decision on overall value creation in line with the ISO 14040 and 14044 standards for conducting LCA studies.



- Assessment of Environmental Impacts associated with all the stages of a Product's Life through:
  - cradle-to-grave;
  - cradle-to-gate;
  - cradle-to-cradle approach
- Verification of LCA according to ISO 14040
- Development, Design, and Implementation of a Sustainable Supply Chain
- Management Strategy
- Sustainability Risk Assessment in Supply Chain.
- Supplier Rating Tool based on Sustainability Risks

## Energy Advisory

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In the next few years, the effort to reduce energy consumption and draw energy from solar, wind, nuclear, hydrogen, and other sources of sustainable energy will be intensified. Our energy advisory team can help you introduce new strategies that will put you at the front of the energy revolution.

We also perform energy audits to identify energy consumption patterns and energy improvement opportunities.

- Energy Audits
- Development of Energy Efficiency and Cost Reduction Strategies
- Development of Strategy for Reducing Energy Consumption
- Perform, Achieve and Trade (PAT) Certification

## Corporate Social Responsibility Services

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A properly implemented CSR concept can bring along a variety of competitive advantages and create significant impact on the value of a company.

Our CSR services facilitate companies to integrate social and environmental concerns in their business operations and interactions with their stakeholders. Our experts can help you develop well thought out CSR plans and strategies, assess its actual impact vis-a vis the intended impact and also comply with the statutory reporting requirements.

- Designing and Implementation of CSR Initiatives in accordance with Schedule VII of the Companies Act, 2013
- Community Survey and Stakeholder Analysis for CSR Initiatives
- Social Impact Assessments of CSR Projects
- Due Diligence of CSR Implementing Agencies
- Annual CSR reporting



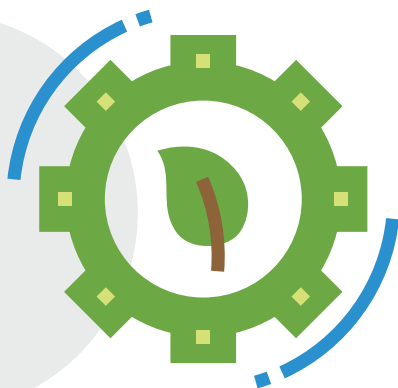
## Circular Economy

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Today, mankind consumes almost double the natural resources that the earth can regenerate in a year. Preventing this imbalance requires a transition to circularity. Circular economy offers an opportunity to increase the productivity of resources, decrease dependence on them, improve competitiveness and unleash innovation.

Our consultants can show you how to scan the value chain to gauge circular potential and leverage your ecosystem to find creative solutions.

- Development of Resource Management and Circular Economy Policies
- Development of Framework and Implementation
- Monitoring and Reporting of Resource Management and Circular Economy Performance





## Environment, Social and Governance (ESG) Services

- ESG Framework and Strategy Development
- ESG Due Diligence
- ESG Rating
- Responsible Investment (RI) Advisory

03

More and more companies are implementing ESG strategies that actually make a positive difference - for their business and the planet.

Our passionate consultants bring a unique approach to ESG- focused on benchmarking, strategy development, initiative design, program execution, communications, and reporting.

Our expertise stretches across ESG dimensions, such as sustainability, net-zero, diversity, equity, inclusion, and future of work, among many others.

## ESG Framework and Strategy Development

We understand that every business has highly distinguished ESG challenges. Our multidisciplinary teams can assist you in diagnosing your current ESG positioning, evaluating performance against benchmarks, and creating integrated ESG strategies.

We also design engagement strategies and support partnerships across external reporting, including investors, ESG standards, and ratings agencies.

- ESG Policy, Strategy and Roadmap
- Benchmarking Sectoral ESG Practices
- Development of ESG Framework/ESG Rating Tool



## ESG Due Diligence

Never before have investors been more apprehensive about the sustainability of their investments. No investor wants to confront bad press, excessive fines or see the value of an acquisition plummet.

Our services are well-placed to assist investors in developing and executing their deal strategy, including detailed and vigilant due diligence on high-potential investments. We can help you identify any red flags and assess risks and future value creation potential of your investment.

- Due Diligence of ESG Performance at Pre- investment Stage based on IFC PS, ADB SPS, World Bank ESS, Equator Principles etc.
- Due Diligence of ESG and Environmental, Health & Safety Operations Pre and Post-Merger/Acquisition
- Due Diligence of ESG Performance at Post- investment Stage including Status/ Impact Reporting, Identifying Gap and Providing Remedial Actions



## ESG Rating

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ESG ratings are the starting point to comprehend the business environment of a company and find peers for comparison.

ESG rating reflects market recognition of the company's social responsibility efforts and performance. We can help you to join the ESG rating scheme and also establish a sound ESG governance structure to continuously improve and optimize your performance.

- Ensuring preparedness for anticipated demand of ESG Rating by prospective investors, customers, and other stakeholders
- Improving ESG Rating to enhance Investor's confidence for improved investment
- Assistance in applying and improving ESG Rating- Ecovadis, Carbon Disclosure Project (CDP), MSCI, S&P Global Corporate Sustainability Assessment (CSA), Sustainalytics



## Responsible Investment (RI) Advisory

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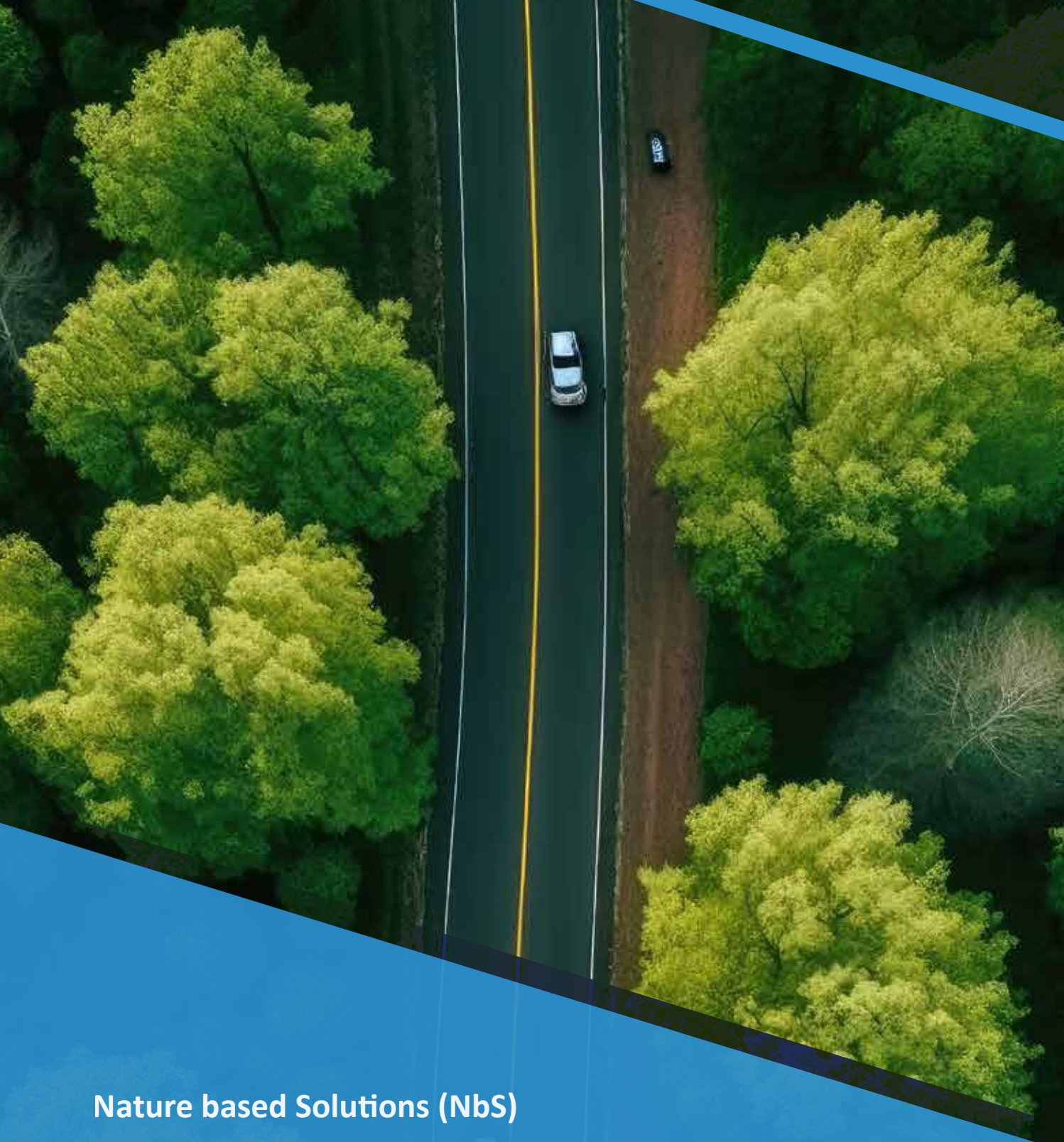
Integrating the financial and the wider environmental and social risks and opportunities into investment strategies i.e. responsible investment (RI) is outgrowing mainstream investment growth. It is being increasingly accepted that it is possible to focus investments on ESG while not compromising on returns.

We provides a range of services and thought leadership related to ESG and responsible investment.

- Developing and Refining Overarching Responsible Investing (RI) Policies and Frameworks
- Implementing RI and ESG Processes and Controls
- Integration of ESG and Responsible Investment Principles into Business Processes and Operations
- Responsible Investment and Impact Reporting, including Gap analysis of Current Reporting Practices







## Nature based Solutions (NbS)

- Corporate Biodiversity Solutions
- Forestry and Ecology Advisory
- Rivers and Wetlands Studies

04

Nature-based solutions address societal challenges such as climate change, human health, food and water security, and disaster risk reduction effectually and adaptively. These solutions protect, sustainably manage, and restore natural ecosystems and also play a key role in climate change adaptation and building resilience.

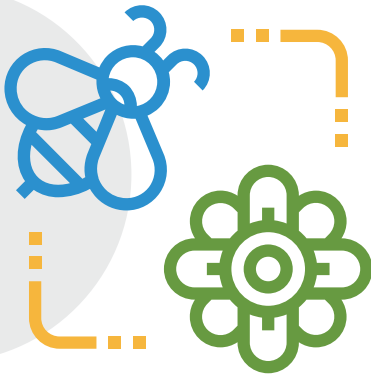
Our consultants deliver breakthrough solutions and our expertise covers everything from corporate biodiversity solutions, ecology advisory to organic farming. We can help you discover new ways to improve every aspect of your operations and scale your innovations.

## Corporate Biodiversity Solutions

An increasing number of businesses recognise broader environmental concerns and the risks and opportunities associated with their impacts and dependencies on biodiversity and, as a result, have committed to integrating biodiversity into their decision-making processes and corporate operations.

To assist such businesses, we offer an approach for developing a corporate-level biodiversity strategic plan, including measurable goals and a set of core linked indicators that will allow companies to assess their biodiversity performance across their operations.

- Corporate Biodiversity Policy and Strategy Development
- No Net Loss (NNL) or Net Biodiversity Gain (NBG) Planning
- Rapid or Comprehensive Biodiversity Assessments
- Ecosystem Management
- Ecosystem Services Review
- Biodiversity Conservation
- Biodiversity Impact and Risk Assessment
- Biodiversity Management Planning



## Forestry and Ecology Advisory

The global community - including governments, the private sector, and investors - are increasingly recognizing that forest ecosystems provide critical and diverse services and values to human society.

Corporate commitments to reduce emissions and deforestation are also proliferating. We are advisors on a range of forestry and environmental resources issues that affect recreation, conservation, and sustainability.

- Forest Landscape Restoration (FLR) Planning
- Restoration Opportunity Assessment Methodology (ROAM) Tool Implementation
- Landscape Restoration (Mines and Forests)
- Afforestation Planning and Implementation
- Ecological Restoration Planning
- Watershed Management
- Agroforestry
- Organic farming



## Rivers and Wetlands Studies

Globally, aquatic ecosystems such as rivers and wetlands are under immense pressure due to multiple threats arising out of increasing development. Government, civil society, businesses, and public are increasingly noticing the change in the condition and ecosystem services provided by rivers, lakes and wetlands in India.

Our team of experts and consultants, equipped with experience of working on some the major rivers, wetlands and lakes of India, provide diverse range of services-including research, documentation and management planning on inland aquatic ecosystems.



1 Basin wise management plan for Rivers and Wetlands

2 Natural and Cultural heritage documentation of Rivers and Wetlands

3 Studies on minor, medium, seasonal streams, tributaries, fading rivers and palaeochannels

4 Ramsar Wetlands Studies

5 Remote Sensing/GIS based Assessments

6 Site specific run-off management plan

7 Watershed/ Catchment Management Plan

8 River Floodplain studies

9 River Islands, Deltas and Estuaries

## Meet our Experts



**Rakesh Nangia**

*Founder & Chairman*

“ESG challenges , such as climate change, have profound implications for businesses, the economy and society at large, thus offering opportunities for both, the society and businesses, to achieve long-term economic and social growth, Climate change and ensuing climate risks can seriously undermine financial and operational performance. The need for risk management and resilience has brought attention to the larger ESG agenda. Investors are demanding companies to disclose how they identify and measure intangible assets as well as the ESG initiatives that impact long-term value creation. We have observed the migration in opinion that a company’s primary objective is to protect the shareholder value (shareholder capitalism), to a view that businesses are better able to deliver long-term value to the shareholders when they cater to the needs of all their stakeholders like customers, employees, investors and regulators (stakeholder capitalism)”.



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