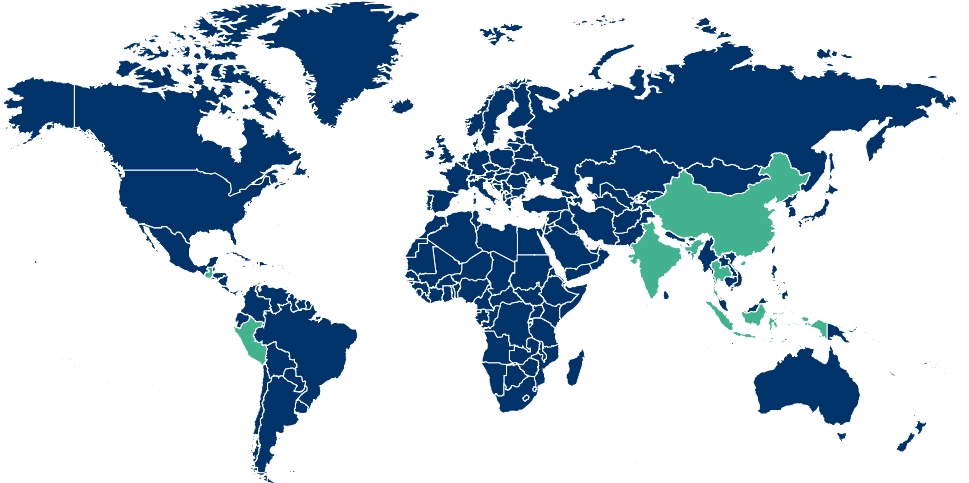


# Our commitment to sustainability in logistics



# Our projects counterbalance emissions



Our offsetting projects are located all over the world:

- Peru
- India
- Indonesia
- Guatemala
- China
- Thailand

# Cordillera Azul National Park REDD+ Project, Peru



2.5 million tonnes of CO2 credits generated annually on average

## Protecting unique biodiversity and restoring degraded land

The Cordillera Azul project supports a rich ecosystem of indigenous biodiversity, high carbon stock forests and a multicultural population of more than 250,000 people organised in 400 communities living in the buffer zone around the Park boundaries. The project protects this unique biodiversity and restores degraded lands with agroforestry systems (cocoa and coffee) in the buffer zone, which are relied upon by small farmers and local communities for their livelihoods.

## Project Highlights

- 1.6 million hectares of endangered forest preserved
- 28 High Conservation Value Species protected
- Manufacturing sustainable products including Fair Trade and organic cocoa and coffee
- Improved schools for 6 communities
- 24 sustainable companies created or supported
- 700+ jobs supported, 30% held by women

The project helps to achieve these UN Sustainability Development Goals



# Katingan Mentaya Project, Indonesia



7.5 million tonnes of CO2  
credits generated annually  
on average

## Preventing forest clearance

The Katingan Mentaya Project protects peatland territories in Central Kalimantan, Indonesia. It stops forest clearance which would have led to the draining of the underlying peat. The protected land is residence to numerous critically-endangered species, including up to 10% of the surviving Bornean orangutans, southern Bornean gibbons and proboscis monkeys.

## Project Highlights

- 149,800 hectares intact peat swamp forest preserved
- Security of necessary habitats for 5 critically endangered species, 8 endangered species and 31 vulnerable species
- Collaboration with 34 communities in the project region
- Over 500 people are directly employed by the project

The project helps to achieve these UN Sustainability Development Goals





# The Guatemalan Conservation Coast, Guatemala



610,000 tonnes of CO2 credits generated annually on average

## Protecting endangered forests

The project supports establishing new nature reserves and supports existing natural forest under threat from deforestation and unsustainable land-use activities. The project area is vital for biodiversity conservation because it serves as a wintering and stopover site for 120 migratory birds species. It promotes agroforestry ecosystems and increases eco-tourism, and supports community development programmes, such as health and education for women.

## Project Highlights

- 59,941 hectares of threatened forest protected, 2,311 hectares reforested
- 30 high conservation value species protected
- 7 sustainable companies founded or assisted
- Over 1,300 people have benefited from health services, especially reproductive healthcare
- 700+ jobs supported, women hold 20%

The project helps to achieve these UN Sustainability Development Goals



# The Improved Cooking Stoves Programme, India



110,000 tonnes of CO2 credits generated on average each year

## Replacing conventional cooking methods

The project aims to provide energy-efficient improved cooking stoves in domestic households. Conventional cooking methods are harmful to people's health causing indoor air pollution, killing over a million people each year in India. They require a lot of firewood, which depletes forests and emits greenhouse gases. The improved cook stoves decrease the smoke produced by burning the fuel, providing a safer and healthier home and significantly reducing firewood consumption.

## Project Highlights

- Over 800,000 clean cook stoves have been sold in India
- Envirofit stoves decrease fuel use by up to 60%. This saves families 2 months of time collecting fuel and increases their yearly earnings by up to 15%
- Envirofit's chimney stoves have shown to decrease household air pollution 46% below the limits recommended by the WHO
- Envirofit stoves reduce smoke and toxic emissions by up to 80%

The project helps to achieve these UN Sustainability Development Goals



# Everbright Landfill Gas, China



137,000 tCO<sub>2</sub>e mitigated on average yearly

## Greening the East Electricity Grid with renewable resources

Over 80% of China's power supply originates from coal-based energy plants. China's expanding cities and economies make the supply of energy and goods a logistical challenge – along with its disposal and the implications of increasing garbage streams. This project captures methane emissions from a landfill site and uses them to create power, contributing to China's sustainable development.

## Project Highlights

- 24,992 MWh of sustainable power exported to the grid on average yearly
- Waste control supported by this project, showcasing shift in sustainable industries
- 24 jobs generated for continual positions for project operation, supporting local economies

The project helps to achieve these UN Sustainability Development Goals



# Siam Cement Group Biomass to Energy, Thailand



610,230 tCO2e mitigated on average annually

## Making the Thai cement sector more sustainable

By shifting to renewable biomass instead of fossil fuels, five Thai cement manufacturing plants can substantially reduce their carbon emissions – leading to environmental and socio-economic benefits for surrounding communities.

## Project Highlights

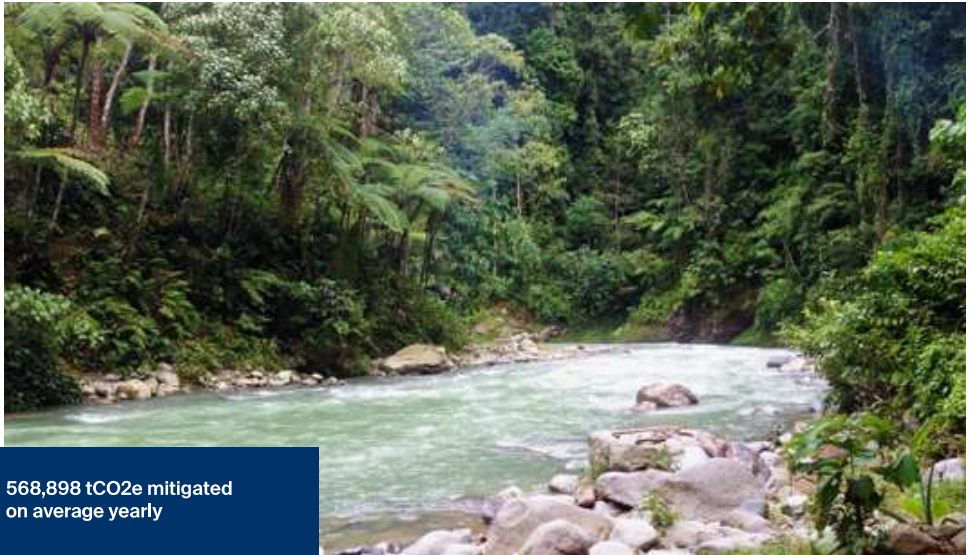
- 68,445 check dams built to improve water sources sustainably
- 9,000 hectares of eucalyptus forest planted, improving soil quality and biodiversity in surrounding woodlands
- 100 people per day are treated in mobile health clinics, providing valuable access to healthcare for communities

The project helps to achieve these UN Sustainability Development Goals





# Musi River Hydro, Indonesia



568,898 tCO<sub>2</sub>e mitigated on average yearly

## Renewable hydropower for the island of Sumatra

Located in rural Sumatra, this run-of-river hydroelectricity project provides the Musi River's flow to generate clean energy for the grid. The project encourages regional jobs and new income streams and has funded infrastructure improvements and a reforestation programme.

## Project Highlights

- 765,677 MWh generated on average annually by the hydro plant
- 50 jobs created in power plant operations
- ±20 hectares of land reforested in the project area as part of a dedicated programme to promote a healthy, natural ecosystem
- Training for locals on composting and making organic fertiliser from invasive aquatic plants
- 2 drawbridges repaired and new roads, trash basins and economic support for public works

The project helps to achieve these UN Sustainability Development Goals



# Jingyuan Solar Power Project, China and Fatanpur Wind Power Project, India



128,000 tonnes of CO2 credits  
generated on average each year



210,000 carbon credits  
generated annually on average

## Replacing fossil fuel power plants

The project is a newly built grid-connected photovoltaic power plant with installed capacity of 100MW, decreasing greenhouse gas emission and the adverse impacts on human health and the local environment by replacing fossil fuel power plants. The project is capable of providing long-term and short-term job opportunities. Further advantages to the local community comprise improved road conditions, working environment and local public facilities.

- 100 MW of installed capacity
- 150,082 MW of estimated electricity generation per year
- Average annual salary for staff is 35% higher than the average salary of local, urban residents

## Clean power

The project involves installing a 108MW wind power project to generate clean electricity using wind energy. The Wind Turbine Generators are installed in and around the village of Fatanpur. The project will displace an equivalent amount of electricity that would have otherwise been generated by fossil fuels. Therefore, wind power will limit the anthropogenic gas emissions caused by fossil fuel-based thermal power stations comprising coal, diesel, furnace oil and gas.

- The wind farm has 54 Gamesa G97 Wind Turbine Generators
- Each wind turbine has 2 MW capacity
- The total installed capacity of the project is 108 MW of renewable energy





## Biodiversity and ecosystem

### Biodiversity at Kuehne+Nagel

Enhancing and preserving biodiversity are important values in Kuehne+Nagel's effort to protect its physical environment. We have been working to preserve biodiversity both on our property and through our support and cooperation with local communities.

### Importance of forests as storage for CO<sub>2</sub>

One hectare of forest filters up to 50 tonnes of soot and dust from the air, generates around 100,000 cubic metres of new groundwater, releases 15-30 tonnes of oxygen per year, and binds 10.6 tonnes of CO<sub>2</sub>.

It is not enough to stop this reservoir from being plundered in order to limit the rise in our atmosphere's temperature. This living CO<sub>2</sub> reservoir must be protected and afforested as nature has the potential to

provide more than one third of the climate solution by 2030.

Nature based solutions comprise all activities related to the protection, or redevelopment, of natural ecosystems such as forests, grasslands, and wetland systems to lower concentration of CO<sub>2</sub> in the atmosphere.

Each of these activities results in the biological capture and storage of CO<sub>2</sub> - typically through the process of photosynthesis.

**We commit to supporting this effort through our offsetting programmes.**

*Source: The Nature Conservancy, American Association for the Advancement of Science*

# Support of the SDGs

## Our projects work towards the UN Sustainable Development Goals (SDGs)

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future.

At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership.

They recognise that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.

In order to make the 2030 Agenda a reality, broad ownership of the SDGs must translate into a strong commitment by all stakeholders to implement the global goals.

Source:  
*United Nations Department of Public Information*

## SUSTAINABLE DEVELOPMENT GOALS



## Sustainability Strategy

Kuehne+Nagel's sustainability strategy is based on the Group's social and environmental responsibility. We are committed to implementing global standards and to keeping a high level of legal and ethical practices, giving back to local communities, ensuring the safety and health of our employees, and reducing the impact of our services on the environment. To stay sustainable, our business directly or indirectly influences all 17 SDGs. Our focus is on ten SDGs. With our initiative Net Zero Carbon our strongest commitment is to SDG 13.



# About us

Thanks to our over 78,000 employees in more than 1,400 offices, in over 100 countries, Kuehne+Nagel is one of the world's leading logistics companies. Its strong market position lies in sea logistics, air logistics, road logistics and contract logistics, with a clear focus on integrated logistics solutions. We are committed to providing customers of all sizes, in all locations, the transport services and logistics solutions that provide peace of mind through trusting partnerships built by our people.

Interested in learning more about our world-changing work?

→ <https://home.kuehne-nagel.com/-/company/corporate-social-responsibility/carbon-offset>



**KUEHNE+NAGEL**

