

#SWEDENINDIASAMBANDH

A GREEN JOURNEY

SWEDISH COMPANIES IN INDIA



This report is the result of a sustainability mapping conducted by Team Sweden, spearheaded by Embassy of Sweden, Consulate General in Mumbai, and the Swedish Chamber of Commerce India. In two phases, we have covered Swedish companies from different business streams and operations, present in India.

The study provides a baseline of where we are in numbers and actions, identifies best practices, challenges, and future recommendations.

The aim is to encourage constructive dialogue and action among relevant stakeholders with the objective of building sustainable, and meaningful, business.

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Sustainability has become a cornerstone of the Sweden–India partnership. Our countries' shared goal of enabling and expediting a green transition is a common thread in our bilateral exchanges, joint partnerships, and business opportunities. For long-term sustainability to succeed, government, academia and industry must all contribute.

To embark on this green journey, we must understand where we are starting from. This study, mapping the sustainability efforts of almost 50 Swedish companies in India, is an important step in this regard.

It is highly encouraging to see Swedish companies at the forefront of sustainable business practices. We hope that the challenges and opportunities laid out in the report can act as a springboard for deepened innovation collaboration and further green investments.



SWEDEN AND INDIA WORKING TOGETHER

We believe Sweden and India are ideal partners in building a sustainable future for all. We have long-standing relations built on commitment to inclusive and green growth.

India is now home to 240 Swedish companies. They operate in India in line with their sustainability guidelines, while also pursuing contextualised local targets.

Swedish companies have long been at the forefront of integrating sustainability holistically; in their business strategies, innovation labs, and in employee and community engagement.



DRIVING GREEN GROWTH

Swedish companies are committed to green transition across value chains, and demonstrate leadership in several aspects of environmental stewardship, well beyond compliance.

Swedish companies have a long-term perspective. Enabling green growth requires emphasis on life-cycle cost and social impact at all levels.


Swedish companies seek partnership and collaborations to see transition to sustainable technologies and processes accelerated.

49 SWEDISH COMPANIES IN THE STUDY

67% of the companies are manufacturing in India, mainly in Maharashtra, Karnataka and NCR.

35% are in the engineering sector.

Companies range from small to large.



RESPONSE TO CLIMATE CHANGE

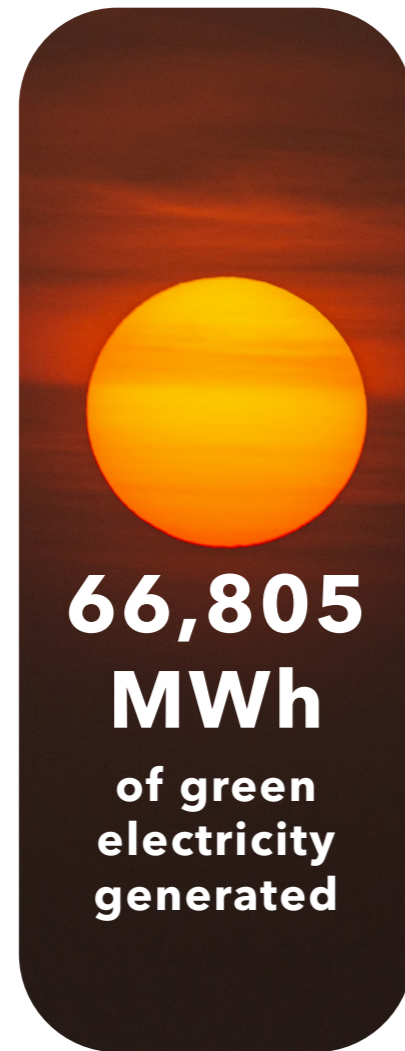
8 out of 10 companies have carbon emission targets or a carbon neutrality commitment in place.

More than half are undertaking a carbon footprint assessment.

Products from **8 out of 10** companies are deemed 'low carbon'. They are either produced with optimized resources or enable energy or resource savings at the customer end.

Climate change mitigation is a top-level leadership responsibility. Carbon emission targets are in place in **3 out of 4** companies where this is given high priority.

ENERGY



ENERGY REDUCTION

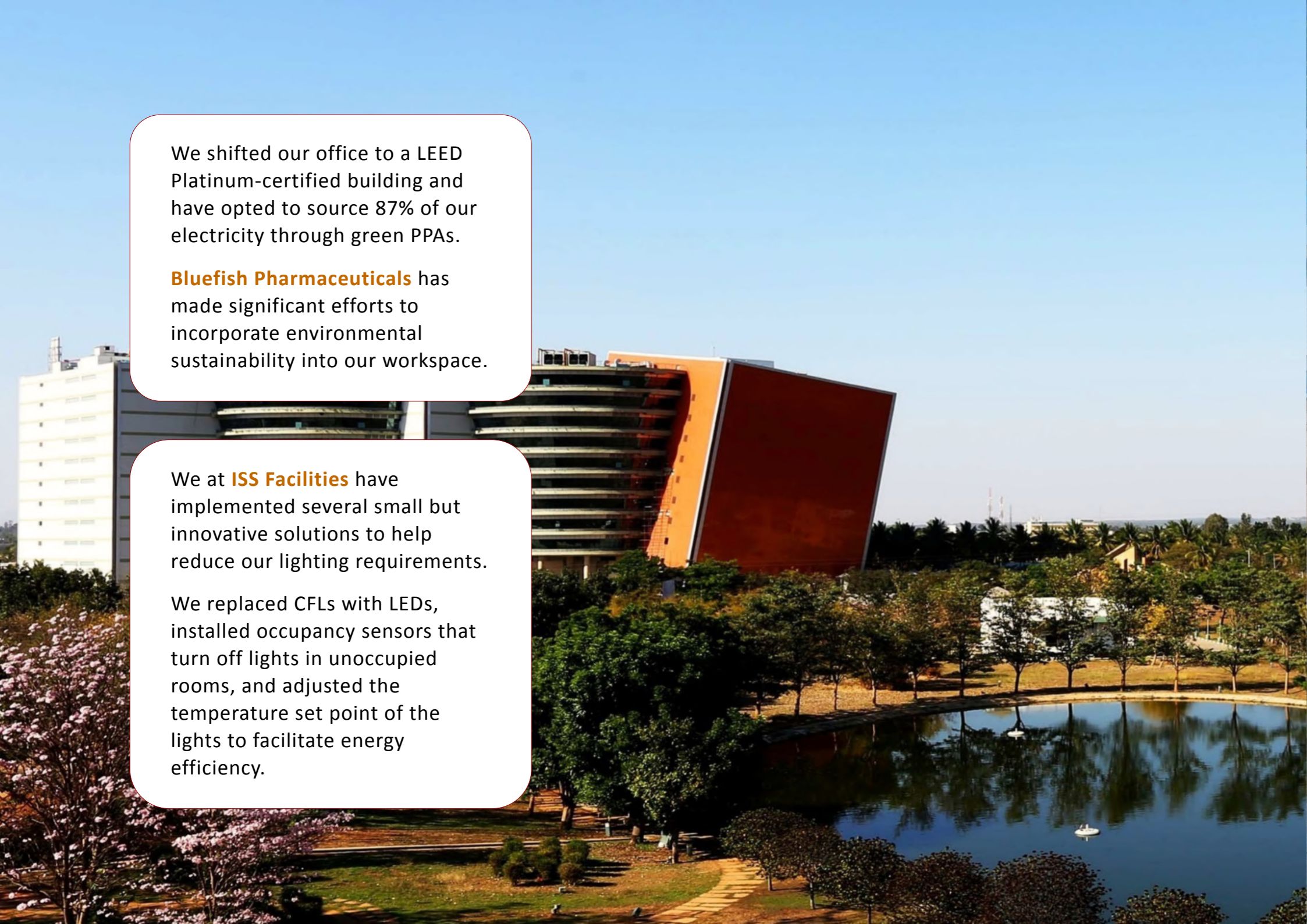
45% of the companies have set energy reduction targets including goals related to transportation.

51% report making technological or process changes to reduce their energy consumption.

45% use renewable energy sources in their India operations today and **10** companies have signed PPA (Purchasing Power Agreement).

Nearly all the companies have implemented at least one solution to green their warehouses and distribution networks.

There is more to do and companies see this as a priority.



We shifted our office to a LEED Platinum-certified building and have opted to source 87% of our electricity through green PPAs.

Bluefish Pharmaceuticals has made significant efforts to incorporate environmental sustainability into our workspace.

We at **ISS Facilities** have implemented several small but innovative solutions to help reduce our lighting requirements.

We replaced CFLs with LEDs, installed occupancy sensors that turn off lights in unoccupied rooms, and adjusted the temperature set point of the lights to facilitate energy efficiency.



Epiroc has installed a 780 kWh rooftop solar plant in our Hyderabad factory. We generate about 1080 MWh of energy per year.

Trelleborg and **Beckers Group**, have also made use of solar energy in facilities and CSR projects.

Uva Lidköping is in the process of transitioning to using on-site solar energy.

WATER

51%
undertake
rain water
harvesting

WATER CONSERVATION

Water scarcity is a major challenge in India. Almost **65%** of the companies operate in areas that are deemed over-exploited in terms of groundwater.

43% have water conservation targets and four have committed to becoming water positive or neutral.

78% undertake water conservation initiatives.

57% treat wastewater using STPs (Sewage Treatment Plant) and/or ETPs (Effluent Treatment Plant).

42% have at least one ZLD (Zero Liquid Discharge) compliant facility.

At **Dynapac India** we audited our water systems and eliminated all leakages from the water lines.

This, along with the use of treated and recycled water for gardening instead, has helped us to reduce water consumption by 7%.



Assa Abloy uses RO treated water for electroplating. In these systems, 20% of the water is used, while 80% is expelled as wastewater.

To reduce the amount of wastewater generated, we installed a Multi Effect Evaporator (MEE). MEEs are used for product concentration and can be used for recovery of water from wastewater as well.

We now reuse 100% of the RO wastewater in our processes.

Kappahl is a founding member of the Sweden Textile Water Initiative (STWI), formed in collaboration with the Stockholm International Water Institute.

We create awareness about the need for water conservation among suppliers and help develop effective systems to save water in the textile production process.

The STWI has reportedly saved more than 3.35 million cubic meters of water globally.

We at **Trelleborg** can treat a total of 23 KL of water per day at our ETP and STP plants.

This treated water is directed for use in our gardening and flushing lines, reducing the stress on conventional freshwater sources used for domestic and horticultural activities.

In our Mysore webbing facility, **Autoliv** recycle and reuse 95% of the waste water from production. This is used for the dyeing processes.

Only 5% of the process effluent is converted into solids and disposed of to an authorized land fill.

This has resulted in a zero-liquid discharge plant. We also recycle 6 million litres of greywater annually and reuse the same for toilet flushing at our Bangalore facility.

MATERIAL



MATERIAL CONSERVATION

End to end sustainable transformation starts with sourcing and a holistic perspective is necessary.

Some companies source raw material from scrap vendors or from suppliers using recycled material. Others have repurposed waste to extract raw material to be used in production.

67% report that circularity is a key issue in their sustainability agenda. Almost all companies make efforts to reduce waste.

20% companies procure natural raw materials sustainably.

78% divert a portion of their dry waste from landfills.

CIRCULARITY

31 companies reduce waste generated both at source and the end-user.

27 refuse by eliminating the use of non-recyclable or non-renewable products.

23 reuse materials and extend the lifecycle of products.

20 recycle by converting waste materials into new materials and objects.

12 repair products so that they can be reused or repurposed.

7 recover useful waste for reuse by implementing specific processes or technological solutions.



At **Absortech** we now have a full range of sustainable desiccants. They are easy to recycle and even possible to reuse.

Our desiccants have a high absorption capacity which means lower quantity is required. They are packed with reduced plastic and are most importantly CO₂ neutral.

Haldex has transitioned from using hexavalent coating technology to trivalent coating to reduce our environmental impact.

This technology is less hazardous, reduces air and water pollution. This also leads to less water consumption.



Tetra Pak collects and recycles over 40% of the 12 billion packages we produce every year in India.

We hope to double this recycling rate and have partnered with various stakeholders from collection agencies to waste recyclers.

To scale up our recycling program we also need industry and government collaboration. To this end we have started ARC, an industry alliance supported by Coca-Cola, Dabur and Parle on recycled carton collection.

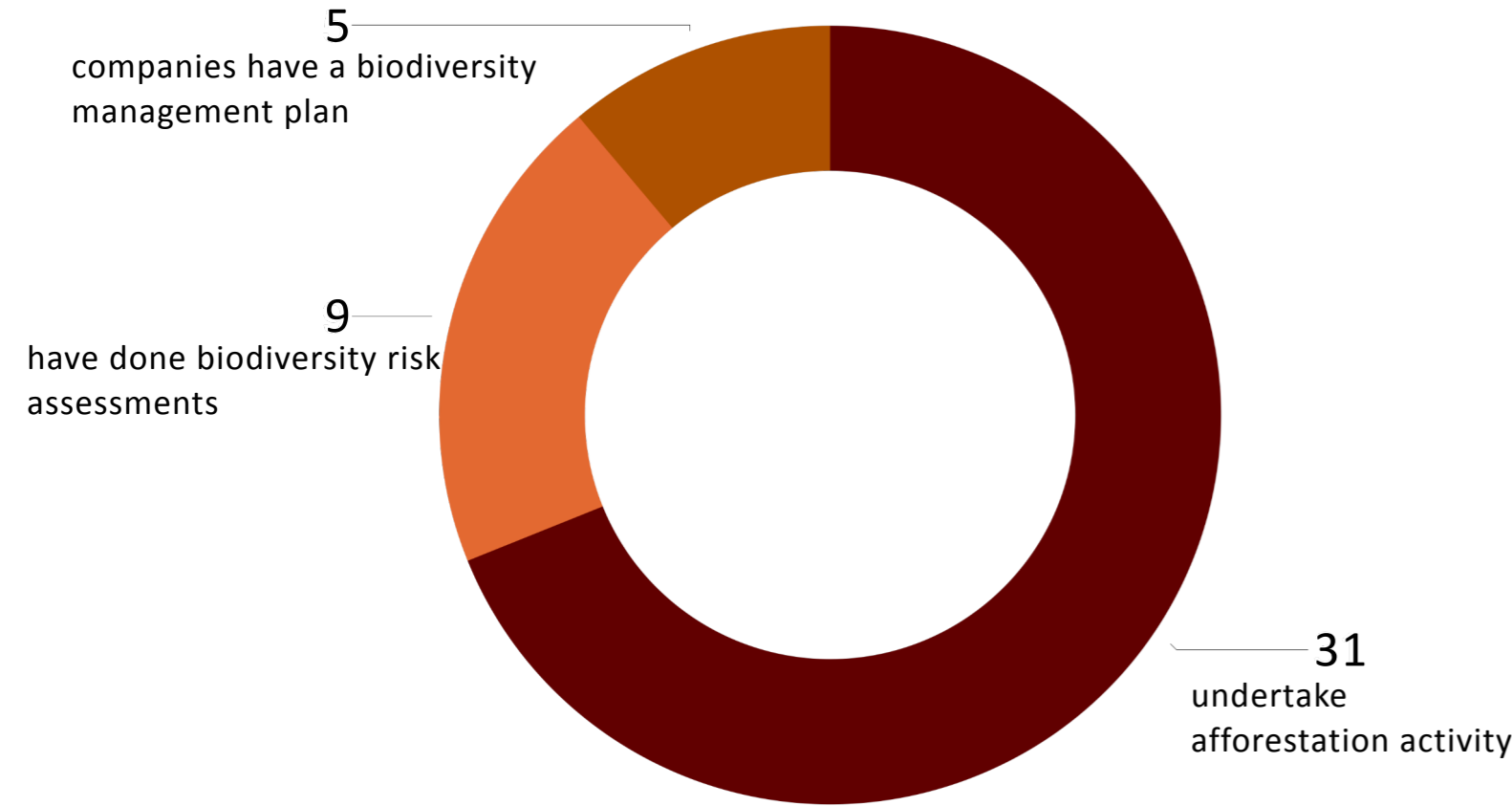
In **Sandvik Coromant** we source 85% of our iron from scrap vendors (recycled) instead of procuring it from iron ore. We also follow a scrap based electric arc furnace (EAF) manufacturing approach.

Dull drill bits are also brought back into our operations through an EPR scheme. The tungsten carbide in these drill bits is then used to manufacture hard metal powder.

We at **Sandvik Mining and Rock Technology** use steel and tungsten carbide as major raw materials.

We ensure these are sourced sustainably through recycling raw materials. We also process and reuse products and waste materials.

BIODIVERSITY



We at **Volvo Group** have worked with forest rangers to create buffers between elephant habitats and cultivated land by digging 3km-wide trenches.

In addition to protecting the local elephant population, this has made over 2,000 acres of land, which was previously uncultivable due to human-animal conflict, now accessible for cultivation.

Oriflame invests in large-scale afforestation and forest conservation projects across India to compensate for GHG emissions.

Our partners engage in afforestation, conduct capacity training workshops for local community members, and develop seed banks.

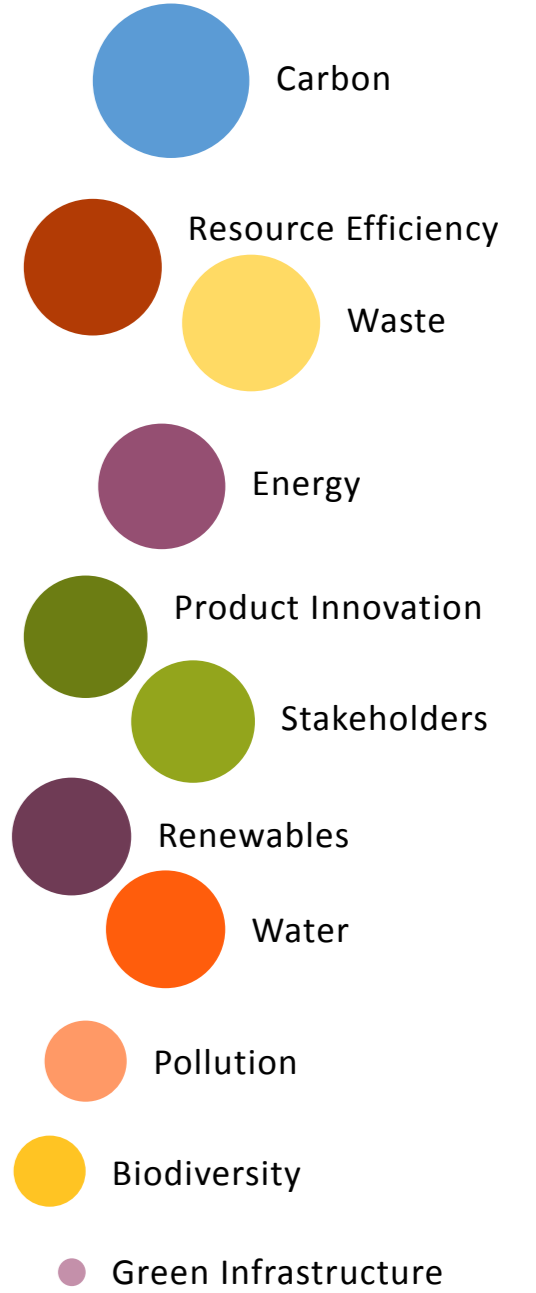
GOVERNANCE

ENVIRONMENTAL POLICIES

Policies ensure the effective implementation of sustainability efforts and demonstrate a company's commitment and intent.

Barring one, all companies have policies incorporating different aspects of environmental concerns. Almost all the companies have defined and adopted a 'General Environmental Policy'.

Moreover, companies have extended their commitment to environmental sustainability by articulating their policies at several implementation levels.



Focus areas in policy, proportional against occurrence in the companies.

In **SKF India** we use a combination of landfilling, co-processing, and recycling to treat our hazardous waste. We have a goal to reach zero waste to landfill.

This requires us to constantly seek new innovative approaches.

A challenge is that there are different rules between states on handling of hazardous waste, and the eco-system needs to develop.

At **Rusta** we have a comprehensive approach to responsible sourcing. 82% of our wood and paper products are sustainably certified as of 2021, and the share of Better Cotton Initiative (BCI) certified cotton products in our assortment grew from 70% to 94% between 2020 and 2021.

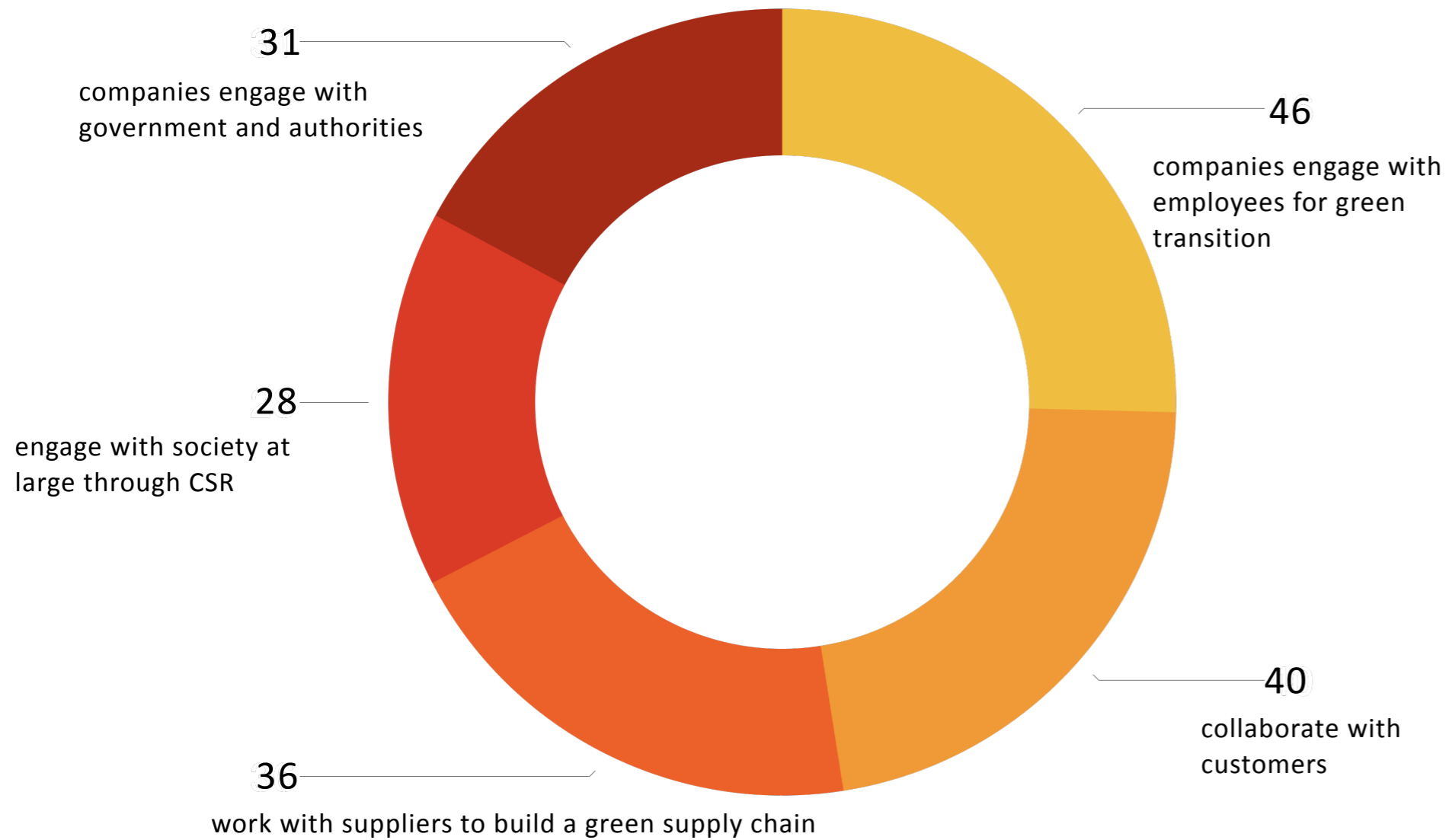
At **Swedish Exergy** we offer a range of products that work in combination to optimize energy efficiency and aid in energy conservation, ultimately helping our customers reduce their carbon footprint.

Our dryers, when used with boiler fuel, help to maximize electrical power production, while our evaporator-based products effectively utilize the residual energy given back by their dryers.

Systemair uses an energy efficient chilled beam ventilation and air conditioning systems within our factory premises. This uses 40% less electricity than a conventional HVAC system.

At **Essity**, on the other hand, we use air-cooled ACs instead of water-cooled ACs, as well as Turbo Ventilators which are specifically designed to save energy in buildings.





ENGAGING STAKEHOLDERS

Collaborations end to end is important to further the green agenda. Across the line, Swedish companies work with suppliers, customers, employees, authorities and society at large on multiple platforms.

This includes awareness building, training, employee engagement programs, as well as in partnership developing innovative products and solutions, and setup EPR/recycle schemes.

Meson Valves is working with the Konkan Maritime Cluster, a government body representing the interests of Goan industries.

Together we develop an Integrated Waste Management Program for local companies to effectively and systematically dispose of waste in sustainable ways.

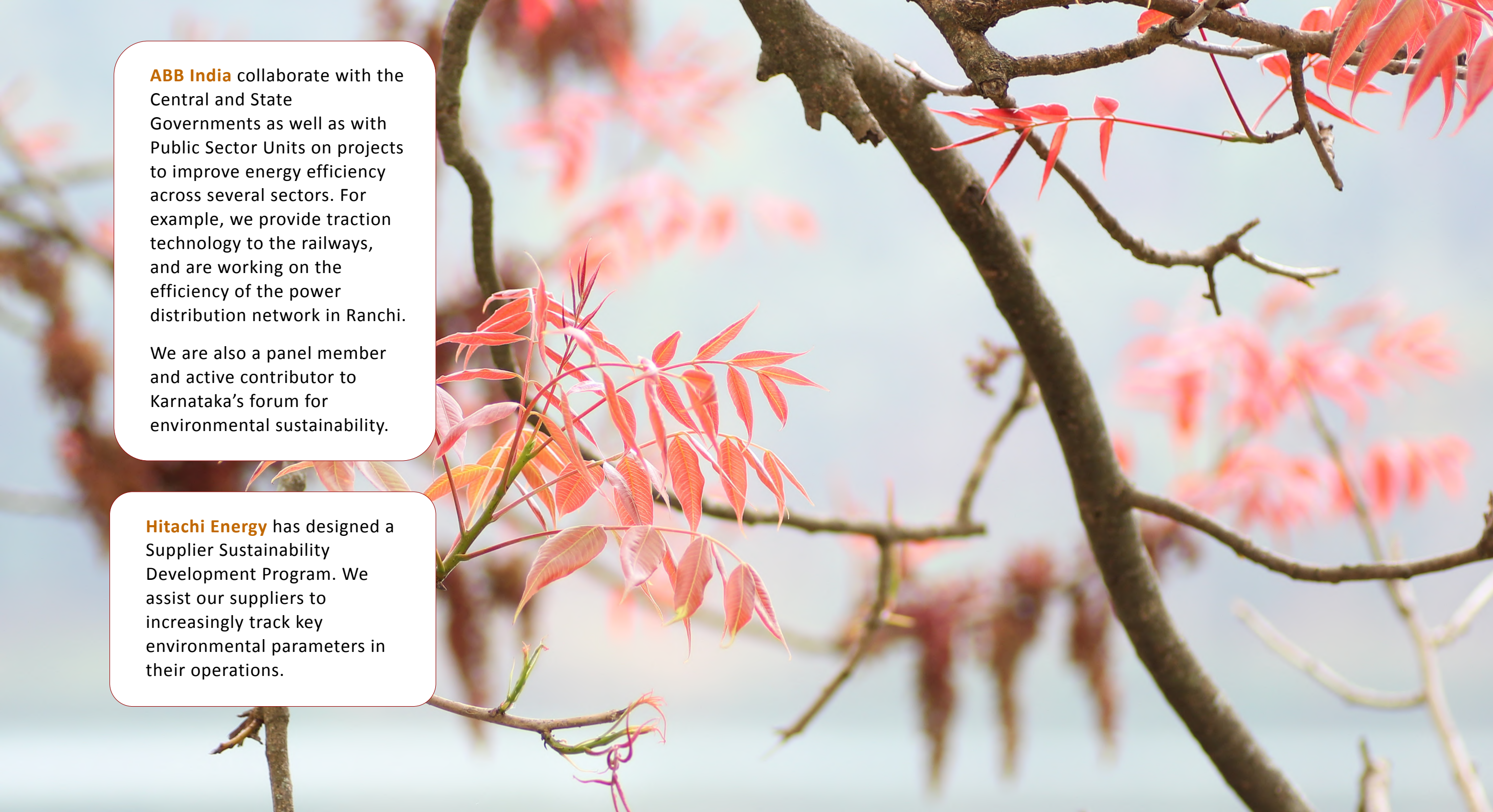


ABB India collaborate with the Central and State Governments as well as with Public Sector Units on projects to improve energy efficiency across several sectors. For example, we provide traction technology to the railways, and are working on the efficiency of the power distribution network in Ranchi.

We are also a panel member and active contributor to Karnataka's forum for environmental sustainability.

Hitachi Energy has designed a Supplier Sustainability Development Program. We assist our suppliers to increasingly track key environmental parameters in their operations.

Husqvarna has built a global internal platform called Sustinnovate for people to exchange ideas about sustainability within our organization.

The frequent 'Employee Satisfaction Surveys' include questions pertaining to our sustainability agenda and environmental activities.

To further our sustainability agenda at **Elekta Medical Systems** we are taking an unusual and innovative approach towards customer engagement.

We are looking to provide additional training sessions, free of charge, to customers who can prove that they are carrying out their operations sustainably.

Volvo Auto has launched our first pure electric car in India.

We help customers to implement solar based charging solutions by doing free of charge feasibility studies at their homes.

At **AstraZeneca's** we have a Natural Resource Reduction Governance Group that funds sustainability projects for our branches across the world.

Proposals are screened and selected based on the return on investment they offer.

This reduces the need to look for external financing.



As one of the world's largest buyers of organic cotton, we at **Lindex** have been working to further increase the supply, while at the same time continuing the important work of strengthening women.

On the ground partnerships are crucial to create a direct link with farmers, achieving real results and learning how to incorporate the cotton into our supply chain and ultimately our products.

While all of our suppliers at **H&M** are required to sign a sustainability commitment, we have also initiated a scheme through which we invest in a supplier's green initiatives.

These green initiatives must align with our goals to become carbon neutral and carbon positive.





We at **IKEA** will be a circular business by 2030.

We build partnership through social entrepreneurship with an ambition to work with ocean-bound plastic recovery and sustainable raw material sourcing.



Roxtec has partnered with a non-profit to uplift the village of Mogra Kalan in Rajasthan.

The community and our employees, work together on several environmental issues including waste.

We also support the villagers with health, education and social rights.



GOING FORWARD

There are challenges, and time is short. Efforts to realise environmental sustainability can be hindered by roadblocks from external sources or internal operations.

There is potential to unlock:

- Simplify and unify legislations and policies across states.
- Develop and grow the availability of sustainable vendors, circular eco-systems and infrastructure.
- Strengthen infrastructure and cost benefits to enable scale, for example in adaptation of renewable energy and other green technologies.
- Increase focus on life-cycle and social impact cost in investment decisions.

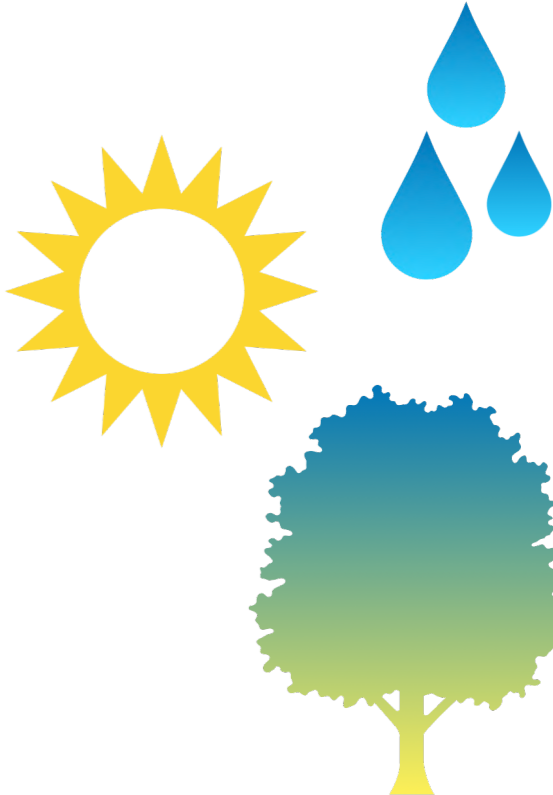
We need to continue to learn, share technical knowledge and grow expertise on environmental regulations and emerging trends.

Adaptation to local context is crucial, as is creating inclusive and equitable measures benefiting all.

A BASELINE TO BENCH-MARK

For the first time data pertaining to the companies energy and water consumption, waste management practices and other indicators was collected.

There is more to do. We have drawn up the baseline of consumption and transition. To shift the balance is a responsibility we carry together.



332,794 MWh
of electricity used

1,637,544 KL
of water consumed

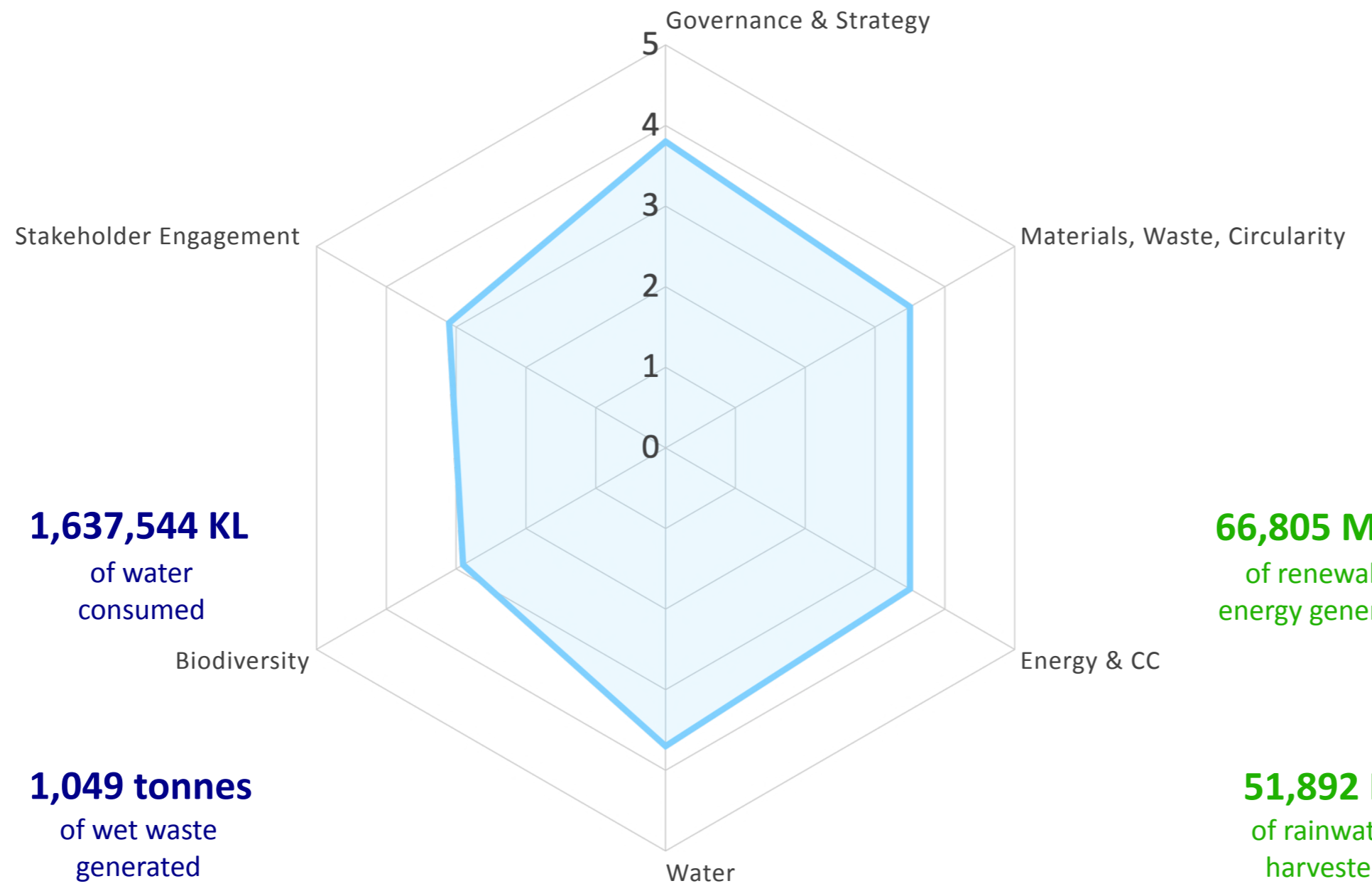
42,257 tonnes
of dry waste generated

1,049 tonnes
of wet waste generated

66,805 MWh
of renewable energy generated

200,824 trees
planted over the last few years

51,892 KL
of rainwater harvested





...GROWING TOGETHER

We want to do more. Through **A Green Journey** platform established by the Swedish Chamber of Commerce India, we learn from one another and from experts in the field. We share best practices, and work on challenges together.

Translation of global goals into local context is key. We initiate collaborative work within our eco-systems, and set up policy dialogues with authorities.

The green journey involves everyone. Initiatives, ideas, and change coming from inside the organisation are powerful. Equally important, we need to listen to the voices of those around us and the next generation.

Business Sweden along with the other Team Sweden players has launched the **India Sweden Green Transition Partnership** to promote co-creation of next generation technological solutions and accelerate the pace of the green transition across sectors such as steel, cement, and paper, through Swedish inventions.

We build on the triple helix model, where academia, public, and private stakeholders, are all involved, to showcase impact and build green transition thought leadership.



FOR A SUSTAINABLE FUTURE

Photos apart from company photos taken by ASHDASHO