

# ROCHE

## Science for a Better World

Founded in 1896 in Basel, Switzerland, Roche has grown into the world's largest biotechnology company and the global leader in in-vitro diagnostics. The company pursues scientific excellence by developing medicines and diagnostics to improve the lives of people worldwide. Roche is a pioneer in personalised healthcare and wants to further transform healthcare delivery for greater impact. To provide the best care for all, the company partners with many stakeholders and combines its strengths in Diagnostics and Pharma with data insights from the clinical practice.

### DOING NOW WHAT PATIENTS NEED NEXT

To do now what patients need next is what Roche believes to be its purpose. Sustainability remains at the heart of its work and is built into its business strategy and contains three dimensions.

- Society: Contributing to a better tomorrow for all
- Environment: Minimising impact on the environment
- Economy: Investing in medical advances, creating jobs and ensuring livelihoods



### TARGET SETTING FOR LONG TERM CHANGE

Striving toward continuous improvements in the area of safety, security, health and environmental (SHE) protection, Roche is focusing on changing behaviours that can help to minimise environmental impact, and developing new innovative processes over time.

To achieve this, the company held a series of workshops for the Group consisting of discussions with internal and external experts, to set mid-term targets for 2015–2020. Additionally, it has established a 10-year ambition (2029) for a 50% reduction of its total environmental impact (ecobalance for operations and product stewardship score for products) and a goal to achieve real zero greenhouse gas emissions from scope 1 & 2 (own operations and purchased energies) by 2050.

### Switch to sustainable energy

Electricity from sustainable sources contributes to approximately 63% of Roche's total electricity consumption. This electricity comes from specialist providers of energy from solar panels, windmills or hydro-power plants. It excludes carbon offsets or other compensations to mitigate own greenhouse gas emissions. At the manufacturing site in Suzhou, China, the solar panel system produces enough electricity from sunlight to cover almost 80% of the energy needs of the administration building – or enough to power almost 500 private homes for an entire year.

Since 2004, Roche has already reduced its energy consumption by 48% per employee. Decreasing energy consumption and usage of fossil fuels, has seen its CO2 emissions dropped by 67% per employee.



### A SUSTAINABLE COMPANY CULTURE

At Roche, sustainability-related initiatives are implemented locally and is the responsibility of local management teams. The Roche Corporate Sustainability Charter establishes the governance of sustainability at Roche by describing the mandate, membership and responsibilities of the Corporate Sustainability Committees.

### Training and development teams

Aside from having sustainability teams globally for product development, manufacturing and waste management, Roche also has an internal training system where all employees are provided re-training on general sustainable practices. For those whose jobs are specific to specialised sustainability topics, special training is provided.

In addition, to increase awareness among employees, the Roche manufacturing site in Singapore holds an annual Sustainability Week that features a best practice road show, games, a hands-on recycling workshop, talks by guest speakers and other engaging activities. As part of the programme, the site has partnered with Zero Waste SG to engage employees on waste reduction and recycling and to promote sustainability.

## DRIVEN BY A PASSION FOR SCIENCE AND INNOVATION

To address some of the most urgent challenges in healthcare, Roche has embarked on strategic partnerships across the Group, and has invested in a diverse mix of autonomous R&D units and members to obtain a rich diversity of expertise and scientific thinking, as it discovers and develops solutions.

### Creating value for stakeholders through innovation

To create value for its stakeholders and competitive returns for investors, Roche has been developing innovative solutions for a range of chronic and life threatening health conditions that continue to revolutionise healthcare. The company's internal guidelines and directives are aimed to reduce the impact of its business operations on the environment. Similarly, Roche maintains an information system specifically designed to help manage its environmental activities to provide support in important areas of environmental protection.

Cutting-edge technologies such as artificial intelligence (AI) and internet of things (IoT) are already allowing businesses to become cleaner and more efficient. At the manufacturing site in Singapore, Roche has implemented the Heat Recovery Wheel that harnesses wasted cool energy from exhaust air to pre-cool outdoor hot air before supplying it to an Air Handling Unit. This technology uses silica gel which regenerates itself and uses minimal energy. This initiative reaped around 75MWh of annualised energy savings and won the Excellence in Energy Management award at the 2019 EENP Awards.

## HARNESSING COLLECTIVE ACTION TO INCREASE VALUE

The sustainability of health systems and society as a whole is not only dependent on technology but on collective action. Since the early 2000s, the company has been measuring its environmental impact, and

has since implemented a long-term goal to reduce emissions to zero by 2050. They also focus on Product Stewardship, to ensure that medicines and diagnostic products are developed, produced, used and managed at end-of-life in a responsible manner. Product Stewardship enhances the value of its products to society by minimising negative safety, security, health and environmental impacts to people and the environment over the entire lifecycle. As a result, Roche has been ranked as a global leader on sustainability indices for a number of years.

Roche aims to more fully embed product stewardship considerations within appropriate stages of product and packaging research and development processes to address global regulatory requirements and product stewardship goals at product inception and throughout development processes.

## ROCHE SUPPLIER CODE OF CONDUCT

Documented in the Roche Supplier Code of Conduct, the company requires its suppliers to manage business continuity through ethical business practices (Governance); act as responsible stewards of natural resources and minimise their negative impact on the environment (Environmental); and protect human rights and the communities in which they operate (Social).

As a member of the Pharmaceutical Supply Chain Initiative (PSCI), Roche is part

of a collaboration of more than 40 pharmaceutical companies and suppliers with a shared vision to establish and promote responsible business practices that continuously improve human rights, ethics, labor, health, safety and environmentally sustainable outcomes for pharmaceutical supply chains.

## ROCHE IN SINGAPORE

Across the region, Roche's offices are working to minimise waste, reduce energy intensity, and slash its carbon footprint. Offices are migrating to paperless operations, promoting waste recycling with designated waste bins, switching to sustainable catering, and eliminating single use plastics.

The Singapore Green Plan 2030 aligns with its goals as well. Some examples here in Singapore which Roche implemented are

- Fridges and New Dispenser in work cafes are K6 compliant and environmentally friendly
- Removed single use plastic bottles and paper cups in the office
- Programmed timer for light switch are installed in the office
- Waste segregation
- Reusing existing furniture in its new renovated offices
- Green Mark Building (BCA) in choice of site locations



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