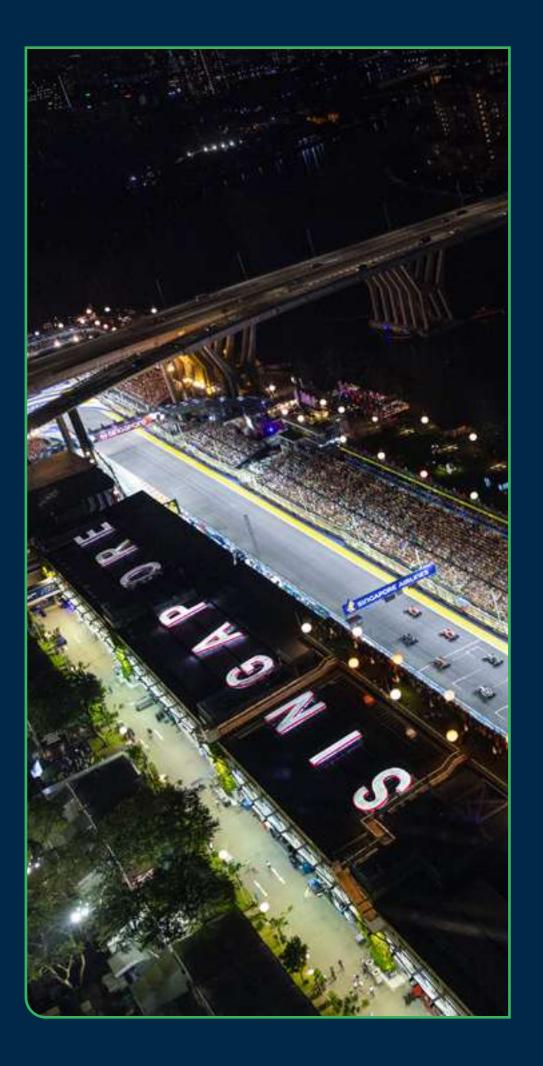
DRIVETO SUSTAINABI





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INTRODUCTION

ON-TRACK TO ACHIEVING OUR KEY MILESTONES

2023 was a monumental year for us at Singapore GP. We achieved the highest possible rating of three-stars from world motorsport governing body the Fédération Internationale de l'Automobile (FIA) in its Environmental Accreditation Programme, moving from the one-star rating we had previously attained in 2022.

In 2022, we made a commitment to halving the energy **emissions** from the Formula 1 Singapore Grand Prix by 2028 with a focus on energy reduction, increasing the use of renewable energy sources, and utilising Renewable Energy Certificates¹ (RECs) for unavoidable emissions.

Following on from our first carbon footprint report in 2022, we have made a GHG emissions reduction of **20.7%** in 2023. The total emissions in the Circuit Park from patron experience zones amounted to 1,880.80 tCO2e². Our 2023 Scope 1 direct emissions from combustion of fuels accounted for 46.56% of total emissions, representing a decrease of **40.97%** from the previous year's Scope 1 emissions in absolute terms.

It is through new and continued initiatives and efforts from our key stakeholders, partners, staff and patrons that we have reduced our GHG emissions by 20.7% in 2023 as compared to the previous year. We are on-track to meet our goal of halving the energy **emissions** from the Formula 1 Singapore Grand Prix by 2028.

Looking ahead, we will further bolster efforts through our three sustainability pillars and ensure initiatives are reviewed annually and that we are on-track to reach our goals for key milestones that have been set for 2025 and 2028.

At Singapore GP, we remain committed to driving change and sustainability. We will continue to be forward-thinking and push the boundaries towards driving a legacy of change. We will work closely with the Singapore Tourism Board, stakeholders and partners to ensure we are on-track to minimise the environmental footprint of our event while ensuring that we deliver a positive race experience for our patrons and the wider community.



ADAM FIRTH EXECUTIVE DIRECTOR

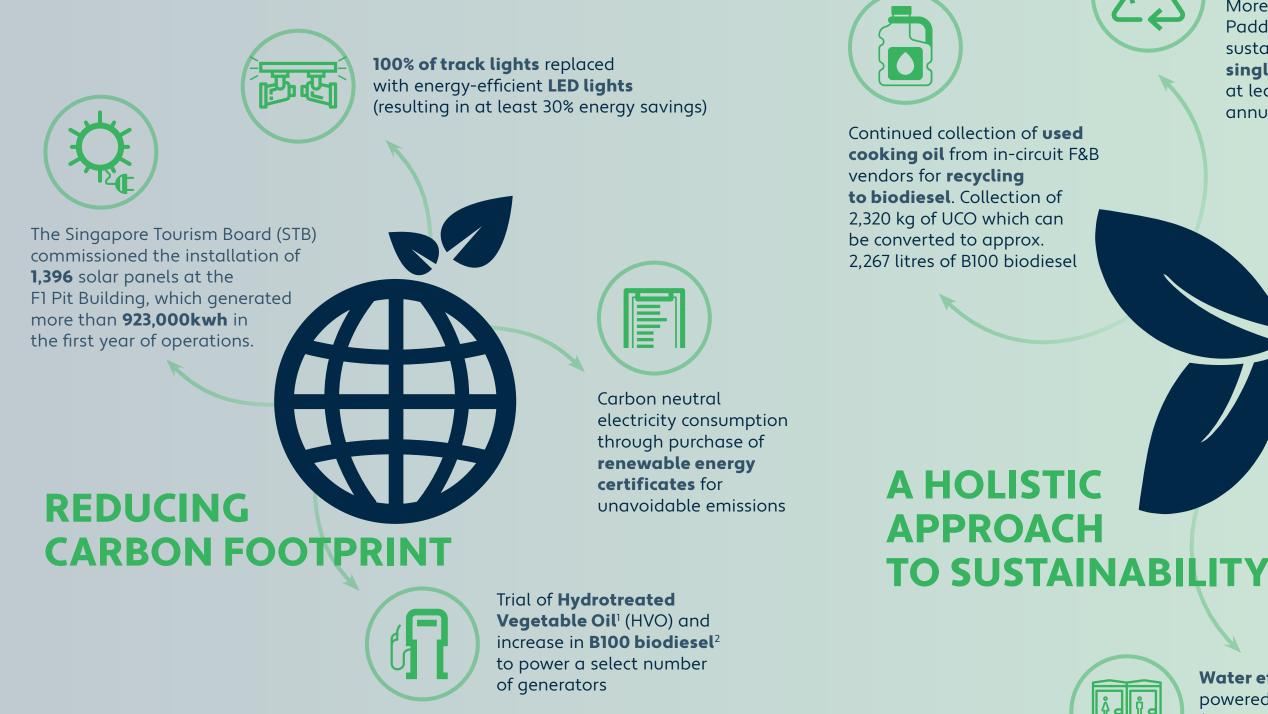
¹Renewable Energy Certificate is a type of Energy Attribute Certificate that represents the environmental attributes of the generation of a one-megawatt hour of energy produced by renewable sources. RECs can originate from wind, solar, biomass, hydropower, biogas, geothermal, and landfill gas projects.

² Singapore GP's Greenhouse Gas (GHG) emissions are calculated from the source of emissions arising from event operations within the Circuit Park's patron experience zones. Patron experience zones refer to Zone 1 through to Zone 4 in the Circuit Park and areas that are directly under Singapore GP's purview and control. This excludes all freight, logistics and travel by Formula 1 and teams. The baseline of the GHG Emissions is calculated across 5 months which includes set up and tear down of the event

1AMA

SASHA RAFI **DIRECTOR OF SUSTAINABILITY**

2023 SUSTAINABILITY HIGHLIGHTS



Footnote:

¹ Hydrotreated Vegetable Oil (HVO) made from 100% sustainably sourced renewable raw materials such as used cooking oil and animal fat from food industry waste and results in up to 75% to 95% less greenhouse gas (GHG) emissions over the fuel's life cycle when compared with fossil diesel.

²Biodiesel is a biofuel blend consisting of petroleum diesel and bio-based diesel, with the number representing the percentage of renewable diesel present in the fuel.

3R Strategy

Reduce

More than **70% of the tableware** used in Paddock Club and Hospitality Suites were sustainably sourced. Ceased sale of single-use plastic bottles, eliminating at least 160,000 single use plastic bottles annually and increase in water refill stations

Reuse

Materials and infrastructure

to build the Circuit Park (which includes grandstands, fence wraps, barriers, steel structures, etc.) continue to be **reused**

Recycle

Increased recycling rate through segregated bins, biodigestion of food waste, education and awareness through **public** communications on our bins, super screens around the track and on all Singapore GP platforms

Water efficient portable toilets powered by **solar panels** (Savings of estimated 129,600 litres of water over race weekend)

2023 SUSTAINABILITY HIGHLIGHTS



- Robust annual outreach campaign through talks in schools, live screenings, pop-up events and behind-the-scenes tours.
 - Engagement with disadvantaged students through SGP's adopted charity for 2023, Access Singapore through F1 Driver Engagements and Behind-The-Scenes tours
 - The **#SingaporeGP roving truck** visited 34 locations, engaging over 60,000 people across 3 months
 - More than 4,000 people participated in the F1 Pit Lane Experience
 - Community outreach through talks at the National Library
- Member of the Alliance for Sustainability Innovation
- Participation and sharing on SGP's sustainability efforts at Republic Polytechnic's **Hospitality Tomorrow Conference**



COMMUNITY IMPACT

SOCIAL &

#Supportlocal

- More than 700 Singapore-based companies have been engaged to work on the race
 - Collaboration with local artists (Mightyellow for SGP merchandise & Artify and Jelly Caricature for installations)
 - Approx. 30,000 staff, contractors and **stakeholders** accredited to work at the event annually



Our sustainability efforts are aligned with international standards as demonstrated by our attainment of the three-star rating in the Fédération Internationale de l'Automobile (FIA) Environmental Accreditation Programme

OUR GREENHOUSE GAS EMISSIONS IN 2023

In 2023, the F1 night race saw a year-on-year 20.7% reduction in tCO2e emissions. We are on-track towards our goal of reducing the event's energy emissions by up to 52% by 2028. We will continue to ramp up efforts to ensure we stay on course towards this.

Singapore GP's Greenhouse Gas (GHG) emissions are calculated from the source of emissions arising from event operations within the Circuit Park's patron experience zones. Patron experience zones refer to Zone 1 through to Zone 4 in the Circuit Park and areas that are directly under Singapore GP's purview and control. This excludes all freight, logistics and travel by Formula 1 and teams. The baseline of the GHG Emissions is calculated across 5 months which includes set up and tear down of the event.

| Inventory | | % Of GHG Emissions | | | | |
|--------------------------------|---|--------------------|---------------------------|--|--|--|
| | | 2022 | 2023 | | | |
| | Power Generators | Power Generators | | | | |
| SCOPE 1 | Diesel | 45.72% | 35.26% | | | |
| | B7 Biodiesel | 15.40% | - | | | |
| | B100 Biodiesel | 0.32% | 2.54% | | | |
| | R20, R100 Biodiesel | - | 7.43% | | | |
| | Liquefied Petroleum Gas (LPG) | 1.12% | 1.32% | | | |
| SCOPE 2 | Electricity | 33.54% | 45.67% | | | |
| | Market-based: REC Market-based: Non-REC Location-based: Singapore | | 39.74% 5.93% 45.67% | | | |
| SCOPE 3 | Water | 0.08% | 0.17% | | | |
| | Wastewater | 0.08% | 0.17% | | | |
| | Solid Waste | 3.18% | 6.84% | | | |
| | Transport | | | | | |
| | Shuttle Vehicles | 0.17% | 0.17% | | | |
| | Ferry | 0.07% | 0.08% | | | |
| | Helicopter | 0.34% | 0.34% | | | |
| Total Greenhouse Gas Emissions | | 2,371.62 tCO2e | 1,880.80 tCO2e 🗡 | | | |

GHG Emissions Based On A 5-Month Period Accounting For The Build And Tear Down Of The Race

Indirect Emissions From Purchased Electricity, **Heat And Steam**

Across 5 months, June to November, including the set up and tear down of the event.

GHG FOOTPRINT VERIFICATION BY 📟

Our 2023 GHG footprint report has been verified by TUV SUD PSB, in accordance with the requirements of:

Note: The numbers may not add up to 100% due to the rounding up of individual figures.

Indirect Emissions From Upstream And Downstream Activities

The Event's Greenhouse Gas Emissions For 2023 Was

1,880.80 tCO2e

Direct Emissions From Combustion **Of Fuels**



• The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard – Revised Edition https://ahaprotocol.org/

5COPE 600

CARBON FOOTPRINT

OUR THREE KEY SUSTAINABILITY PILLARS

Our sustainability initiatives are structured around **three pillars** which will be reviewed annually with key milestones set for **2025** and **2028**, to ensure that we are on-track to reach our goal.

HOLISTIC APPROACH TO SUSTAINABILITY

ZERO WAST

TRIA

POSITIVE IMPAC THE COMMUNIT Z U Z **CREA**

REDUCING CARBON FOOTPRINT

We made a commitment in 2023 to **halve our energy emissions** from the Formula 1 Singapore Grand Prix by **2028**.

We will be focusing on **energy** reduction and increasing the use of renewable energy sources and utilising **Renewable Energy Certificates** for unavoidable emissions to ensure we meet our target.

Kinne and and and an and

To reduce emissions from power generators, we will **reduce diesel consumption** considerably and increase the use of **alternative fuels** such as hydrotreated vegetable oil with lower GHG emissions.



Generator

Renewable

Certificates

LED Track

Lighting

Solar

Panels

Energy

(RECs)

Power

Used a mixture of **B100 biodiesel** and trialled **hydrotreated vegetable oil (HVO) R100 and R20**.

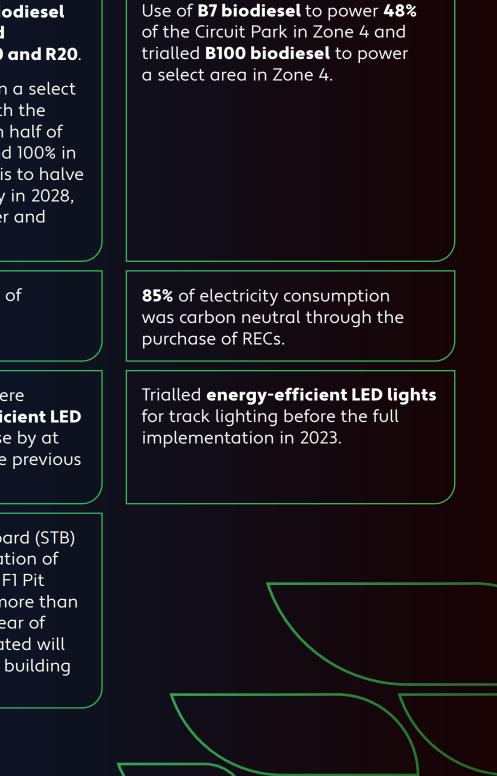
This trial was conducted in a select number of generators, with the view of implementing it in half of all generators by 2025, and 100% in 2028. Ultimately, the aim is to halve our emissions from energy in 2028, through the use of greener and cleaner fuels.

RECs were utilised for **87%** of our grid electricity

100% of the track lights were replaced with **energy-efficient LED lights**, reducing energy use by at least 30% compared to the previous metal-halide bulbs.

The Singapore Tourism Board (STB) commissioned the installation of **1,396 solar panels** at the F1 Pit Building. This generated more than **923,000kwh** in the first year of operations. Energy generated will be sufficient to power the building during the race month.

2022



A HOLISTIC APPROACH TO SUSTAINABILITY

We remain committed to ensuring a **holistic approach to sustainability** in all aspects of our organisation. We will strive to **work alongside** our key partners and vendors to work around the constraints and challenges associated with the organisation and delivery of our event.

Materials will be **reused** for as long as possible, resources utilised will be **sourced sustainably**, waste streams will be **streamlined** with improvements on waste operations to **minimise waste** and we will ensure that our supply chain has a **responsible procurement process** of goods and the delivery of services.



Reducing Water Wastage

Used Cooking Oil Recycled Into Biodiesel

Sustainably Sourced Tableware And More Sustainable Food Offerings **120 water-efficient cubicles** in 12 custom-made solar-powered containinstalled in the Circuit Park. Saving an estimated **129,600 litres of water** over the three-day race weekend.

2,320 kg of used cooking oil was collect from our in-circuit F&B vendors for recycling to B100 biodiesel.

Increased the use of **sustainably source tableware**. **84%** of tableware used in th Circuit Park is biodegradable, up from **6** the previous year.

More options for sustainable and healthier food were made available throughout the Marina Bay Street Circu

Increased the number of **water refill stations** to and encourage patrons to bring reusable water bottles.

Green Premises

Reducing

Plastic

Single-Use

To minimise waste, we prioritise **reusing** construction materials and infrastructure whenever possible. We work closely with vendors and contractors to make this a standard practice.

We have been replacing worn-out fence wraps with **environmentally friendly materials**.

| | 2022 | |
|---------|--|--|
| ers | | |
| | | |
| ed | Adopted the practice of collecting used cooking oil for recycling since 2011 to be converted into B100 biodiesel. In 2022, this achieved at least 4,000kg in CO2e reduction. | |
| e 8% | Worked with TRIA, an innovative foodware solutions provider, to supply bio-based tableware that does not require separation between foodware and food waste before composting. | |
| | Ceased the sale and issurance of still water in single-use plastic bottles and increased the number of water stations in the Circuit Park for patrons and staff to refill their own reusable bottles. This initiative avoided an estimated 160,000 single-use plastic bottles annually. | |
| | | |

SOCIAL AND RACOMMUNITY INPACT

We strongly believe in the unifying power of sport to grow education, employment and volunteering opportunities; and we will continue to play our role in catalysing this. We remain committed to having an equal, diverse and inclusive talent pool and continue to share good practices with industry peers and beyond.

ONGOING

Engaging Local Communities

Partnerships

Providing

And Work

Experience

Supporting

Local

Diversity

Workforce

A More

Race

Accessible

And Inclusive

Training

Local

organisations to offer a slice of the racing action. These include partnerships with the National Library Board where talks were given, giving behind-the-scenes tours to under-privileged children and subsidised tickets sold to social organisations for the migrant workers.

More than 700 Singapore-based companies are sub-contracted annually for the Formula 1 Singapore Grand Prix, with some 30,000 staff, contractors and stakeholders accredited to work at the event every year.

In 2022, we collaborated with local artistes for installations and Singapore GP merchandise.

At Singapore GP, we fully embrace having a **diverse workforce**, ensuring there is a fair representation across all demographics with females making up 54% of our core team.

In 2022, 27% of the race officials were women, up from 25% in 2019 the highest number of female race officials on the F1 calendar.

Ensuring **accessible seating** is catered for and made available for patrons with limited mobility.



We have been creating volunteering, employment, and educational

opportunities to engage the local community through campaigns and activities such as school talks, free race screenings, behind-the-scenes tours, and the annual Thursday Pit Lane Experience.

Annually, approximately 4,000 members of the public will have the opportunity to get up close and personal with the F1 team garages and cars a day before the Circuit Park opens to ticket holders.

Collaborations with local enterprises and not-for-profit charity

We have been partnering with the **Institute of Technical Education** since 2009, to provide training and real work experience for students. Each year, about 900 students will be engaged in this programme.

OUR IMPACT IN NUMBERS



0 R K

ERE

66% of staff bento meal sets are packed

in biodegradable packaging and

100%

of disposable cups and cutlery used at all staff cafeterias, the media centre, offices at the Pit Building are biodegradable

93%

reduction in 2022 from 2019 in plastic card passes printed for personnel accreditation with the introduction of an online accreditation portal



All staff are issued with reusable water bottles and where necessary, water in carton packaging, reducing an estimated

43,140

single-use water bottles at all staff cafeterias over the race weekend

Approximately staff uniforms and

event materials like fence wraps, flags, podium stands and red carpets are reused over the years



of plastic cards



100%

of disposable cups and cutlery used at all Paddock Club and Hospitality Suites are biodegradable

100%

of placemats and menus in the Paddock Club and Hospitality Suites are printed on sustainable material

100%

of Hospitality Ticket Packaging boxes and carriers are printed on sustainable material

Savings of 250,000

and lanyards,

135,000 PET Packaging and

bubble mailers when we made the switch to e-tickets

100%

of Singapore GP apparel on sale is packaged in reusable bags made from sustainable material. saving

pieces of single-use plastic packaging

OUR IMPACT IN NUMBERS

Water in single-use plastic bottles are no longer sold and issued in the Circuit Park since 2022, eliminating

$\mathbf{000}$ 6

used plastic bottles annually. We have also increased the number of water refill stations within the Circuit Park to encourage all patrons and staff to use their own reusable water bottles

project cycle

Eliminated the need to print

event quides and encouraged patrons to download the Singapore GP mobile app

MM

Reusing infrastructure and materials for as long as possible to significantly reduce GHG emissions across the entire

Increased options for more green and healthy food options to be made available throughout the Circuit Park



Encourage all patrons to take public transport as the primary mode of commuting to the race Public messaging on all Singapore GP platforms to encourage patrons to dispose of trash in the correct bins

Over



More than local residents have

participated in the Pit Lane Experience since 2013

Over 12,000 ITE students have trained and worked for the race since 2009

SGP has reached out to over

704,013 local residents via a variety of community activations since 2013. Programmes include an annual Pit Lane Walk, pop-up events, live screenings, and school talks. In 2023, an F1-themed truck visited 34 locations across 3 months, engaging with over

O people

89.000

students gained insight into the world of Formula 1 through educational talks held at schools since 2012

LOOKING AHEAD

STEPS WE ARE TAKING TO REDUCE OUR EMISSIONS

Singapore GP will continue to take strides to become a **more** sustainable organisation. We will advocate driving change through the business and ensure all staff. partners and key stakeholders are on board to take steps to mitigate our environmental impact.

Aligned with the United Nations' Sustainable Development Goals and Formula 1's 2030 Net Zero target, we will ensure that the commitments we have made and initiatives we implement are towards ensuring we are on-track to reach our goal of halving energy emissions from our race by 2028.

We will continue to **hold ourselves accountable** and ensure that our ESG efforts are **transparent** and in **compliance** with local regulations and guidelines.

Our **key pillars** remain the guiding principles through which we will build on initiatives towards leaving a positive track print where we race.

We also look forward to working with industry peers for **innovative** solutions to ensure we are on track to be one of the most sustainable street circuits on the F1 race calendar.

A Holistic **Approach to Sustainability**

Social and

Impact

Community

Reducing

Footprint

Carbon

OUR MILESTONE TRACKERS



- HVO in 100% of generators to deliver a target of up to to deliver up to **52% CO2e** emissions savings 26% CO2e emissions savings 100% of electricity used to be electricity hotspots to better carbon neutral through **solar** analyse consumption power and RECs Commitment to reduction in **overall waste** and work set the baseline in order to help us identify key areas and alongside partners for innovative solutions set targets for improvement • 100% of tableware in the Circuit Park to be either Circuit Park to be either reusable, recyclable or fully biodegradable reusable, recyclable or fully biodegradable a sustainable procurement **policy** for procurement of new items

- HVO in 50% of generators Increase sub-metering at High-level waste audit to • **50% of tableware** in the • Full implementation of

 Continue to engage with local expertise, organisations and tertiary institutions to offer real work experience for students

- and inclusive
- outreach campaign



• Commitment to ensuring an equal, diverse and inclusive workforce through HR policies and delivering an event that is accessible

Continue to engage the community with a robust local



