



# Zero carbon sustainability study

O'right International Co., Ltd |  
Geoffrey Chou Deputy General Manager



## 周 曉鳴 Geoffrey Chou

Present : O'right International Co., Ltd Sustainability and risk management Deputy General Manager

Education background : University of Helsinki EMBA

Experience : O'right International Co., Ltd Greater China Deputy General Manager

O'right International Co., Ltd

Associate Manager

United Information System Service Co., Ltd

Associate Manager

Xielida International Group

COO

Era Group

Project Manager

Aiqun Technology Co., Ltd

Project Manager



## Agenda

### **Main-Stream**

New study focus

### **The Future = Zero Carbon**

Zero carbon future

### **Innovative**

Green competition theory of  
O'right





## Who We Are

O' right has never been just a company that sell hair-caring products,  
It is good for not only human beings, but also the society and earth.





All brands will have to be  
environment friendly  
sooner or later

Ge Wangping 2006











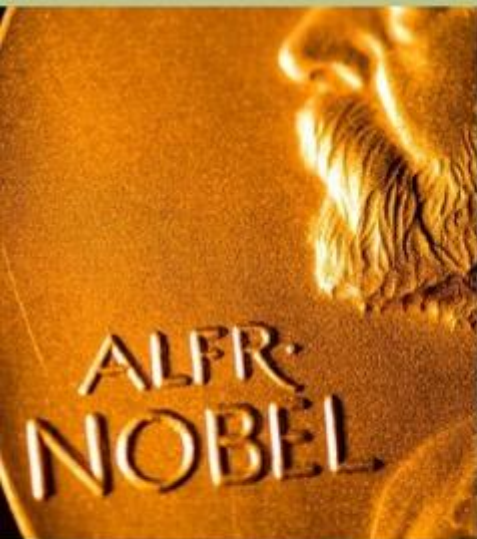




gogoro







## 2018 Nobel Prize in Economics

Zero carbon  
sustainable &  
innovation



## IPCC report

Control the  
temperature to rise  
within 1.5 °C



## COP24

Formulating the  
implementation  
guidelines of the Paris  
Agreement

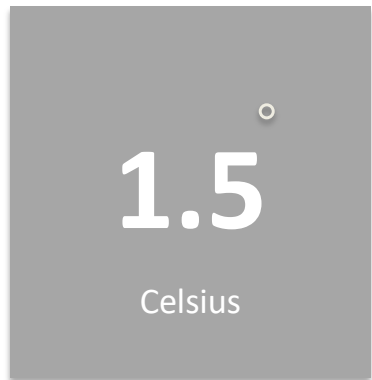


## SDGS

The United Nations  
Sustainable  
development goals

# Changing the world's milestone - Paris Agreement and sustainable development goals

## Paris agreement (2015~2030)



## SDGs 2015~2030





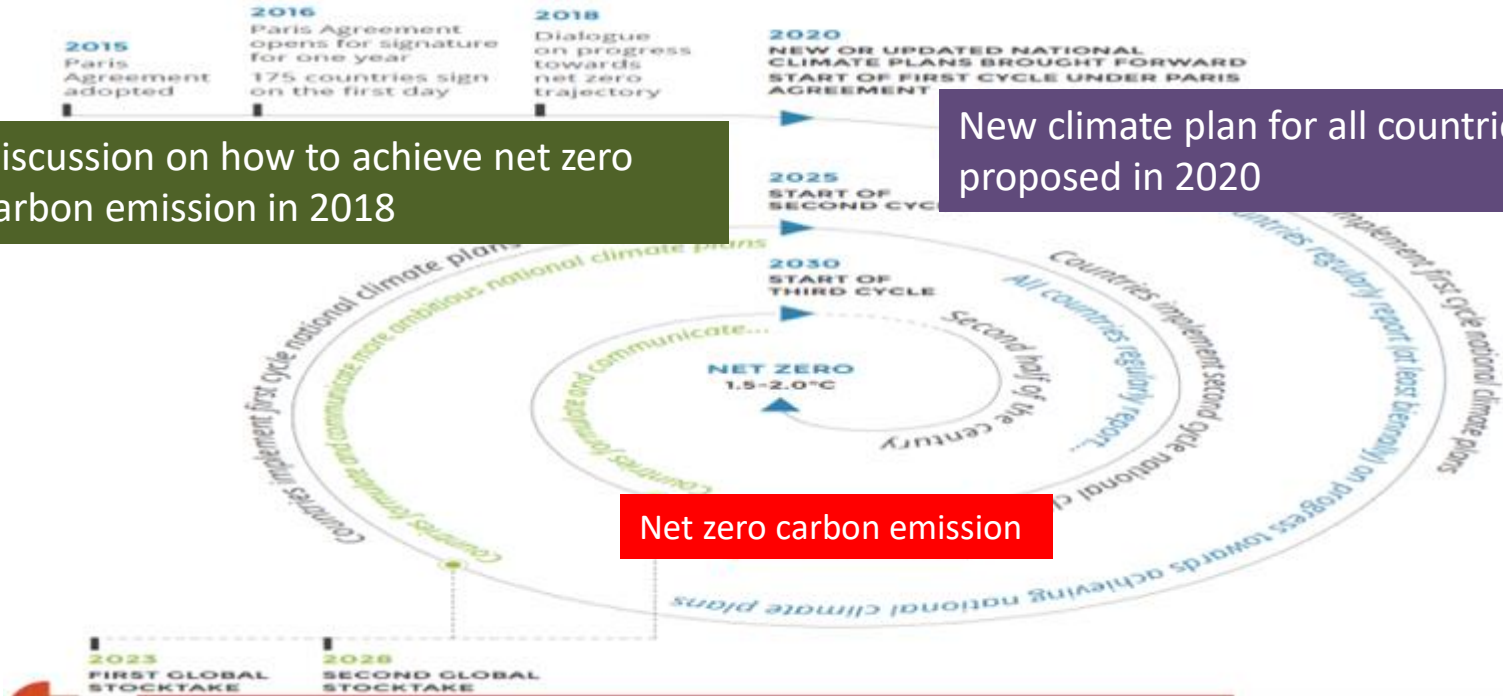


## CO<sub>2</sub> concentration

The key index of human survival

The main cause of global climate change comes from human activities after the industrial revolution. The rapid increase of CO<sub>2</sub> concentration will bring about a devastating impact on human beings.

# Five-year review of Paris Agreement: towards net zero carbon



# Innovative The **green** competitive theory of O'right





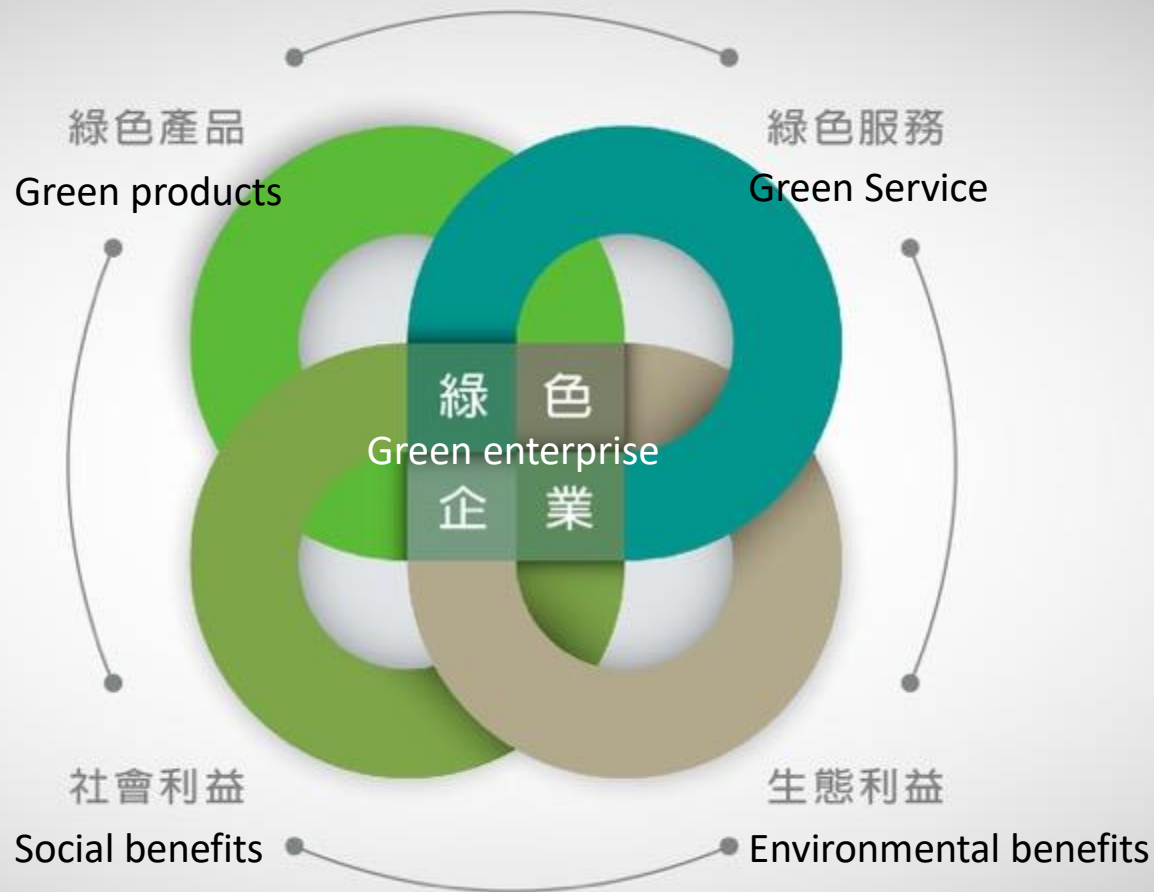
There is only one conclusion of the strategies of all countries: reduce of carbon emission

Zero carbon means zero environmental impact

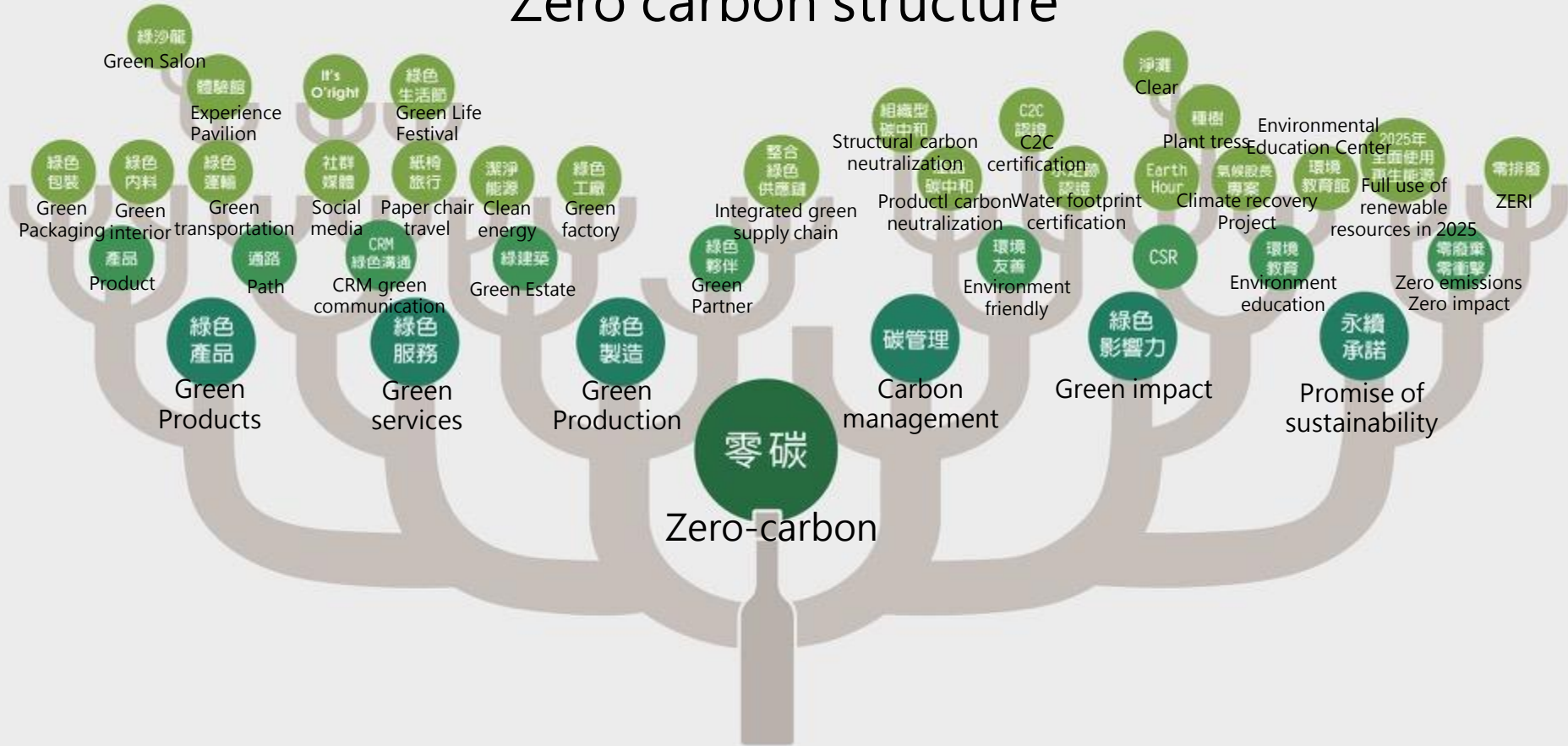
# 「綠色永續創新」

Green and sustainable innovation





# Zero carbon structure





O'right is committed  
to implementing the  
SDGs goals of the UN



Green  
raw  
material

Take the lead in formulating new green standards for  
bathing products

Not adding 8

Common harmful substances



USDA  
CERTIFIED  
BIOBASED  
PRODUCT  
PRODUCT 99%

無環境荷爾蒙(壬基酚)  
ENVIRON. HORMONES FREE(NP)

無防腐劑(對羥基苯甲酸酯類)  
PARABENS FREE

無硫酸鹽類界面活性劑  
SULFATES FREE

無環氧乙烷衍生物  
EO FREE

無塑化劑  
PHTHALATES FREE

無甲醛  
FORMALDEHYDE FREE

無化學增稠劑(DEA衍生物)  
THICKENERS FREE(DEA)

無染色劑  
COLOURANTS FREE





## Green raw materials

Research and develop green organic raw materials to replace chemical ones





Green  
raw  
material

Take the lead in formulating new green standards for  
bathing products

Not adding 8

Common harmful  
substances



Shampoo that grows  
tree inside

| Tree in a  
bottle

100% Biodegradable materials

100% Primary tree species



reddot design award  
best of the best 2013



台灣精品 2014  
TAIWAN EXCELLENCE

## Flower box



## Four times of carbon reduction

Re-fetch **new life**

New bottles on the market |  
New environment friendly product

**80%**  
**carbon**  
**free**



Recycled plastic bottles

Create green life together with you to realize  
the sustainable promise of the earth



茉莉玫瑰護色洗髮精 · 250ml  
竹萃保溫洗髮精 · 250ml  
茶樹洗髮精 · 250ml



## The world's first regenerative pledge

Recycled plastics  
PP%

**83.7%**



Carbon emission  
reduction %

**66.29  
%**

The carbon footprint of PP recycled materials used by o'right is as follows: 418.23 g CO<sub>2</sub>e/kg  
The latest announcement of "carbon emission of polypropylene (PP) new plastics" announced by EPD is as follows: 2.01 kgCO<sub>2</sub>e/kg

- 2019 –Carbon neutralization of enterprise/organization and **27** products have been confirmed
- 2020 -Continue to implement carbon neutralization of enterprise/organization, start carbon footprint inventory and confirmation of **50** products







- The only diamond level low carbon green factory in Asia
- The first green cosmetics GMP in Asia
- Taiwan's one and only green cosmetics factory



# Green Logistics



"Carbon reduction and  
centralized transportation"

Encourage customers to purchase in a  
planned way

Average single shipment order  
amount increased by **39%**



AIR ultra thin cushion bubble bag  
Carbon reduction per year around  
**3,096kg CO2**

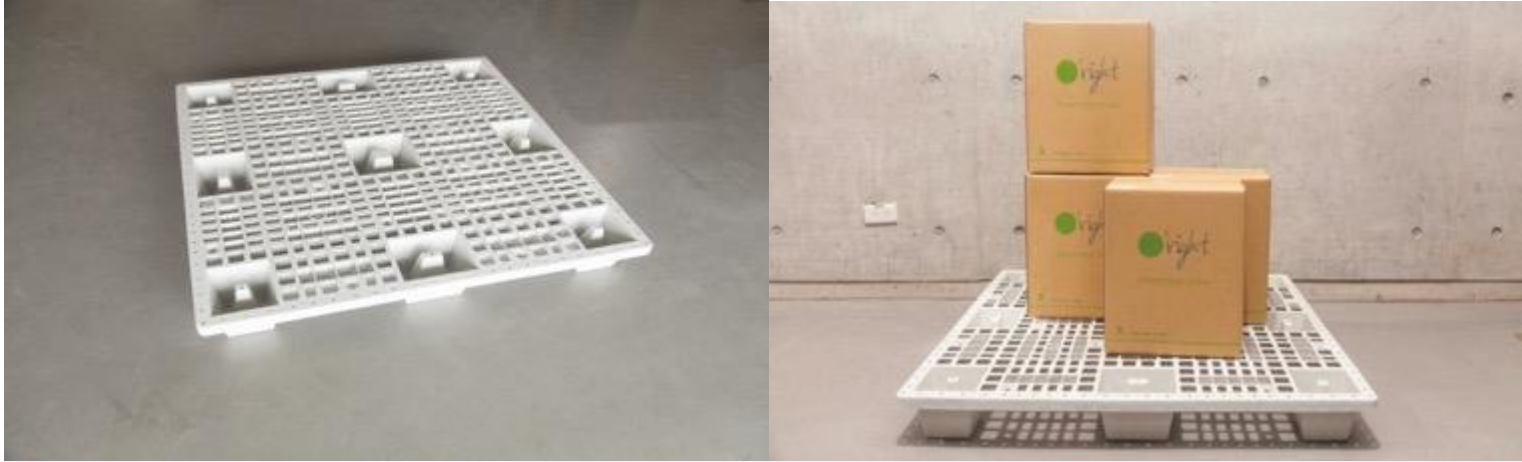
It is equivalent to planting **279** 20-  
year-old trees



Environmentally friendly  
transport cartons

Made of **80%** recycled  
paper



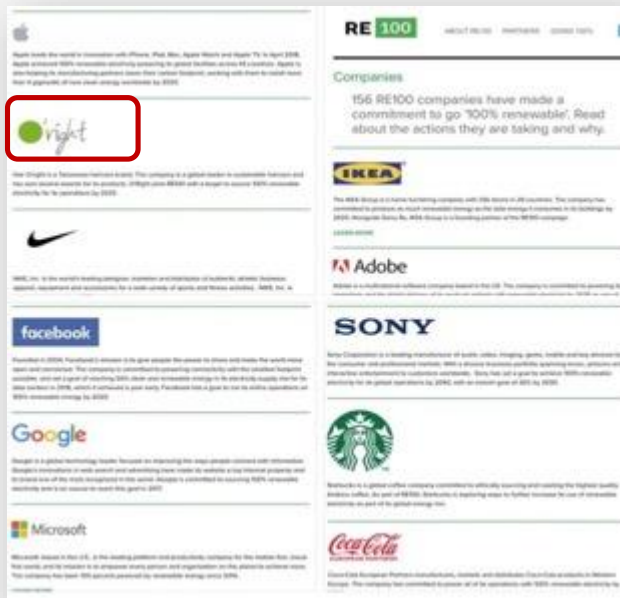


7300 plastic caps = an environmental protection pallet

## Declare to join the RE100 International Renewable Energy Initiative

Synchronize with apple, Google and Facebook,

Make commitment to achieve **100%** renewable energy use by 2025.



Low carbon office air conditioning

Carbon reduction rate **62.85%**

LED lamps and desktop independent power management system are used in the whole area

About **45000** kwh of electricity can be saved in one year

About **225000** yuan can be saved

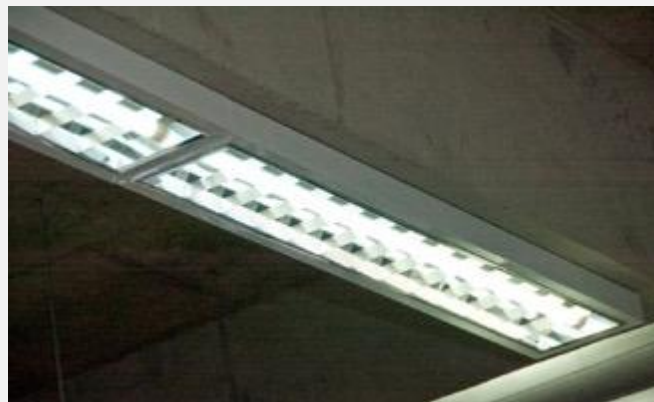
31,688 kw/H

Common companies

11,772 kw/H

O'right

Air conditioning power consumption in 2013



Mechanical foot-stepping water supply system is used in the whole area

0 electricity consumption

Save **62.85%** water consumption

Total heat exchange system (THX) and intelligent CO2 detector

Indoor air quality monitoring to maintain the health of colleagues










100% Recycling

Zero waste water discharge

A person in a white lab coat is working with industrial equipment, likely a supercritical fluid extraction system. The equipment includes various pipes, valves, and a yellow component. The person is focused on the task, and the background is slightly blurred.

Zero pollution manufacturing process  
Use supercritical fluid extraction to  
replace the traditional solvent  
extraction



## Organic vegetable restaurant & staff cleaning and arranging









# RECOFFEE Tree in a bottle

Recycling of coffee grounds

100% Biodegradable materials

100% Primary sapling



reddot award 2014  
winner packaging design



reddot award 2014  
winner

INVENTOR'S  
**INPEX**  
AMERICA'S LARGEST  
INVENTION SHOW



日本創新天才  
發明金牌獎

# Avoiding environmental impact through "new technology"

Substitution	Traditional use
Supercritical and ultrasonic extraction	Chemical solvent extraction
Stainless steel pipeline	Plastic pipeline
Steam disinfection	Organic solvent disinfection
Ultra pure water + dust free aseptic production	Add excessive preservatives
Mechanical foot-stepping water supply	Induction tap
Mobile office	Physical office

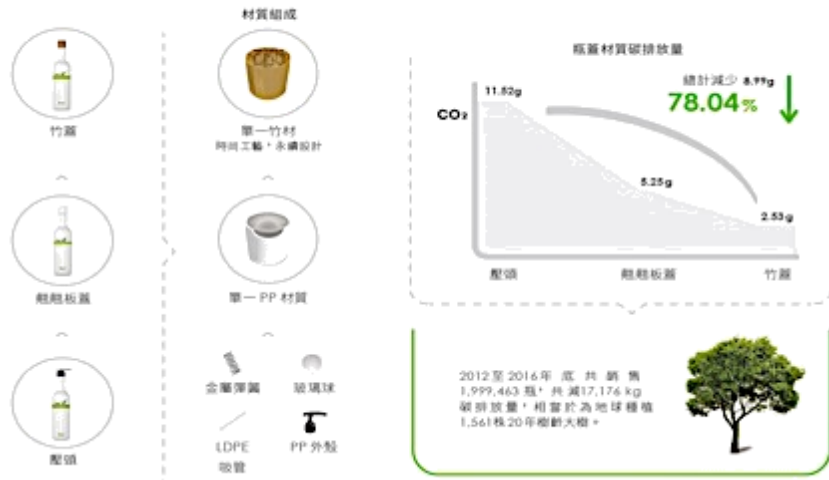




# Solving environmental problems through "new materials"

Substitution	Traditional use
Recycled plastics	Traditional plastics
Bamboo cap	Electroplated plastic cover
Wood flour	Plastic particles
Natural Caffeine	Chemical caffeine
FSC certified paper	Plastic coated paper
Vegetable ink	Chemical ink

## 瓶蓋減碳愛地球



# 「 Green innovation policy 」



## Mobile office, mobile order, mobile payment

APP

- Improve operational efficiency
- Reduce carbon, protect the environment, reduce commuting time of colleagues
- Increase the efficiency and depth of customer service

Mobile Phone

雲端資料

Cloud data

Number of workers in mobile offices	67
Reduce commuting distance	1133.5 (km/day)
Reduce commuting time	28.34 (h/day)
Reducing traffic carbon emissions	145.4 (kg/day)
Total carbon reduction	78537 (kg)



使用便利商店付款 快速、安全、便利  
響應無紙化、落實節能減碳、環境永續



組合內容 響應無紙化、落實節能減碳、環境永續

香檳玫瑰沐浴乳, 400ml x2  
蘭公葵58度重較沐浴乳, 400ml x2  
桃花輕甜沐浴乳, 400ml x2  
玫瑰單瓣沐浴乳, 400ml x2

商品限購6組  
數量有限售完為止



o'right

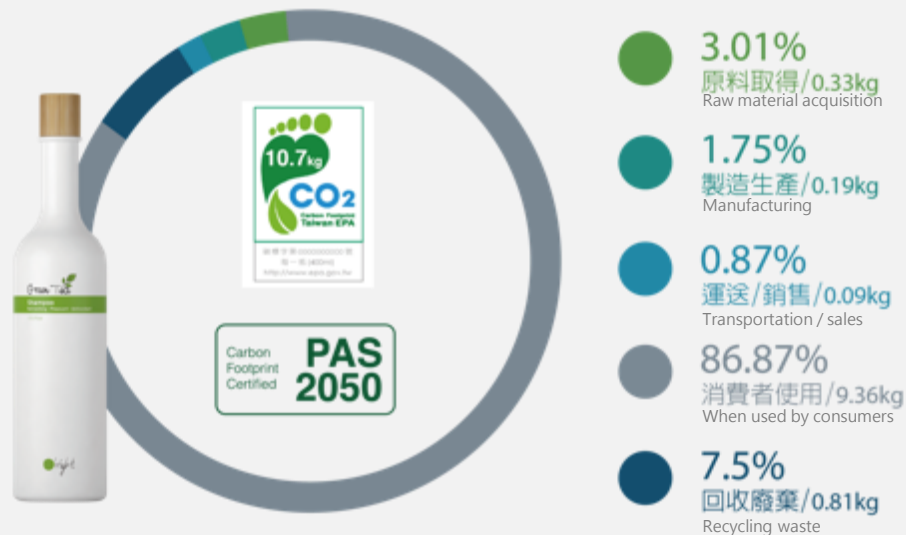
In O'right



Green  
verific  
ation

## Carbon footprint

The first small and medium-sized enterprise that won



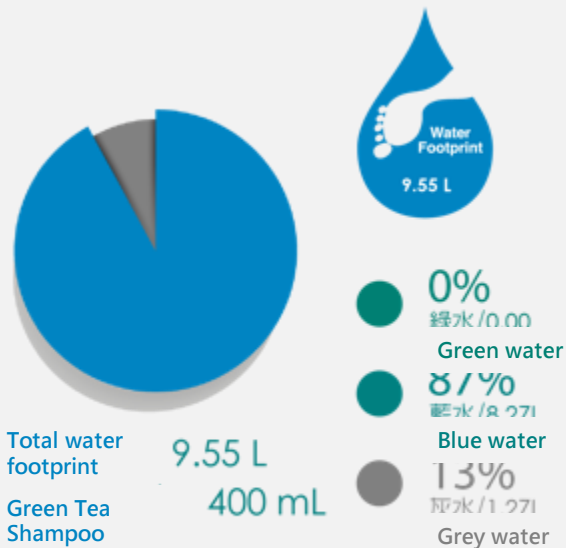
## Carbon neutralization

The world's first cosmetics producer that won

0 CO<sub>2</sub>



## Water footprint





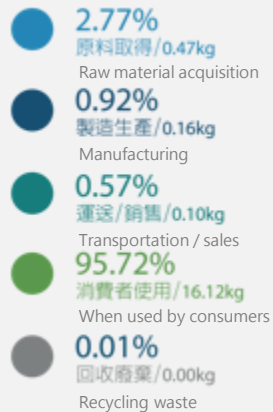
## C2C

The world's first cosmetics producer that won



## UK carbon footprint

Taiwan's first cosmetics producer that won







## USDA Bio-based certification

Confirmed that the renewable biological components are in the product.

**O'right delivery completion rate: 100%** -

At present, there are **45** :

**2** independently developed raw materials and **43** products

All of them have passed USDA certification.

## Green certifications

- GMP certification of cosmetics
- ISO 9001 International quality management certification
- ISO 22716 International cosmetic good manufacturing practice guidelines certification
- ISO 50001 Energy management system certification
- ISO14001 Environmental management system certification
- OHSAS18001 Certification of occupational safety and health management system
- Taiwan EEWH green building golden certification
- Carbon Trust PAS 2050 product carbon footprint
- Product carbon neutralization of British BSI PAS 2060
- SGS PAS 2050 product carbon footprint certification
- Product water footprint certification
- Cradle to cradle C2C
- TIPS certification system for Smart Property Management in Taiwan





# Green overseas development



Singapore, Malaysia, South Korea, Japan, Vietnam, India, China, Philippines, Thailand, Austria, Poland, the Netherlands, Belgium, Germany, Italy, Denmark, Bulgaria, Sweden, Belarus, Lithuania, Finland, Russia, Romania, Switzerland, Lichtenstein, Slovenia, Croatia, Montenegro, Serbia, Bosnia, Portugal, Ukraine, Luxemburg, Estonia, Norway, Czech Republic, UK, Turkey, United Arab Emirates, Qatar, Oman, Bahrain, Kuwait, Saudi Arabia, United States, Canada, Mexico, Australia, New Zealand



# Affirmation from the world

2019-2020

## Asia's first SME Sustainability Report Award (2018,2020)











## COP 25 Invited speech

- Each product should complete its carbon footprint
- Each product should have a carbon reduction strategy
- Each product should be carbon neutral
- Every enterprise should practice carbon neutrality

- Ge Wangping COP 25

# Green certification

- GMP certification of cosmetics
- Taiwan EEWH green building golden certification
- Product carbon neutralization of PAS 2060
- SGS PAS 2050 product carbon footprint certification
- USDABiobased certification
- Product water footprint certification
- Cradle to cradle C2C certification
- Taiwan's only green cosmetics factory
- The only diamond level low carbon green factory in Asia
- The first GMP factory of green cosmetics in Asia



# International management system certifications

- Completed 27 products of five categories and organizational carbon neutralization confirmation
- ISO 9001 International quality management certification
- International cosmetic good manufacturing practice guidelines certification
- ISO 50001 Energy management system certification
- ISO14001 Environmental management system certification
- ISO14046 International standard for water footprint
- ISO14064 Greenhouse gas inventory
- ISO14067 Carbon footprint inventory
- ISO 17025 TAF Laboratory Accreditation
- ISO 11930 Experiment on antiseptic effect of microorganism in cosmetics
- OHSAS18001 Certification of occupational safety and health management system
- TIPS TIPS certification system for Smart Property Management in Taiwan



## Brand glory

- Won the National Quality Award
- Won the first prize of the World Enterprise Citizen Award for five consecutive years
- Won the first prize of the survey team of foresight CSR award four times
- National Environmental Education Award
- National Sustainability Award
- International Green Model Award
- Won the National Enterprise Environmental Protection Award for three times
- Won the National Industrial Innovation Award
- Won Taiwan circular economy award Gold Prize
- Paris Global Sustainable Beauty Award

- SGS environmental friendly Sustainability Award
- Environmental protection green energy Excellence Award
- National Zhirong Excellence Award
- UN Asia Pacific carbon footprint Symposium: speech on behalf of Taiwan
- National Rock Award
- Taiwan Boutique Award
- Industrial Elite Award
- Taiwan excellent brand award
- Golden Pin Design Mark
- Asia Sustainability Reporting Award







做一個好企業  
比做一個大企業重要

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Being a Good Enterprise  
Is More Important Than To Be a Big Enterprise



# Zero Carbon

Making Sustainable Lifestyle Happen

Zero carbon sustainability  
makes the earth better and  
more beautiful

