

NCH ASIA PACIFIC

SUSTAINABILITY AND CSR REPORT

Consciously working and supporting sustainability



2022/2023



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Cleaning Water.
Conserving Energy.
Maintaining Equipment.

The NCH company mission and vision state that “We are going to be the best company in the world at **cleaning water, conserving energy, and maintaining equipment** that is economically desirable to our customers and environmentally responsible.”

We recognize that our resources are finite and we all have a stake in making sure we can make our world a better place. We have created celebrated technology that cleans water, we continually produce products that help save energy and we maintain your equipment so it will last and serve you longer.

NCH is committed to sustainable practices for the next generation, the next 100 years.





NCH Asia Pacific President Introduction



by DongEun Kim

Dear NCH Associates,

Ever since we have adopted Sustainability as a key post in our house, we are proud to say we are making lives a little better for our company, community, and environment.

Slowly but surely, **consciously choosing sustainable practices** is emerging in our daily decisions in our maintenance and production. Though changes has been a challenge especially when dealing with set practices in our systems for decades-- This year, we see a distinct pivot in resource and supply management and daily administrative procedures toward more long-term sustainable-minded practices.

We are aligning our efforts with NCH Corporate to be the dependable company known for maintenance solutions that help our customers achieve sustainability goals. We continue building on this connected relationship with our people and our customers so we can achieve more milestones together.

As I have said before, NCH will aspire for better and greater- with a softer carbon footprint.

Dong Eun Kim
President,
NCH ASIA PACIFIC



An aerial photograph showing a dense, vibrant green forest that surrounds a central, irregularly shaped body of turquoise water. The forest is composed of many small, rounded tree canopies, creating a textured green surface. The water is a bright, clear blue-green color, contrasting sharply with the surrounding greenery. The overall scene is a natural, healthy ecosystem.

NCH supports a System of Sustainability

Sustainability consciousness is building better habits,
and making better choices for our people, community
and environment:

In collaboration with our Corporate Sustainability, we have adopted the following guides for our activities



NCH Cares People



NCH Cares Community



NCH Cares Environment

NCH Cares People

Maintain the safety, health and well-being of our colleagues

- NCH health and enrichment programs
- NCH Managers Training



NCH Cares Community

Supporting our community with products, services and expertise.

- NCH Ploggo
- CSR Donation drives



NCH Cares Environment

Promoting products and services that help us and our customers be sustainable.

- NCH Global Order Entry(GOE) & Production Automations
- Sustainability Partnership Program
- Value Recognition Report(VRR)
- Improving internal office and production operations to support sustainability



NCH Cares Environment



NCH Cares Environment



Promoting products and services that help us and our customers be sustainable.

- NCH Global Order Entry(GOE) & Production Automations
- Sustainability Partnership Program
- Value Recognition Report(VRR)
- Improving internal office and production operations to support sustainability
- ISO 14000 accreditation

Maintaining Equipment

1. Green mindset and operations

- ISO Certification Acquisition (ISO 14001) - **Korea**

2. Refurbishing / reusing equipment

- Reusing or refurbishing the old iPads for other NCH staff. - **Australia & Korea**
- Refurbishing Torrent equipment reduces equipment waste. - **Australia , Japan & Philippines**



Torrent Refurbishing: Rewinding of Torrent Pump and hose refurbishing led to savings of 2000 USD/qtr. Torrent body refurb: savings of 1000USD.



- BioAmp unit refurbishing 1000USD/semi-annual savings. - **Philippines**
- Recycling Chem-Aqua Tank - **Japan**
- Refurbishing SFS-240 equipment when possible - **India**



Conserving Energy

1. LED Lighting Office

- Transitioning to LED lighting throughout the office & warehouse from fluorescent lighting allows shut down of lights in nonactive spaces. It helps reduce energy usage during working hours. - **Australia**
- The transition to LED lights led to savings of 1/3 of Electricity consumption compared to before the retrofit. - **China**



2. Adoption of Solar Power and Electric Options



- Installed solar panels in a local factory. - **Korea**
- Use of solar powered lights: all plant perimeter lights are now solar powered. - **Philippines**
- Applied for solar power conversion at the production area. - **Philippines**
- Use of Electric delivery scooters. - **Taiwan**



3. Reduce / Refuse plastic

- Switch to Waterlogic solutions (no more delivered plastic containers) and reusable water bottles in the office. Significant savings from purchasing 24x bottles of water twice weekly!

- **Australia**

- Recycling print papers. - **Philippine**

- No plastic cups in the office. - **China**

- Stopped using paper plates. - **India**

4. Energy and Area conservation

- Installed Revolving doors (lobby of the office) greatly enhance the heat preservation ability of the workshop in winter. - **China**

- New combustible and toxic alarm systems have been installed at the Dalian factory to enhance the safety of the work environment

- **China**

- Reducing the size of the Guangzhou warehouse by 50 square meters leads to savings of CNY28,000 in storage fees per year.

- **China**



Cleaning Water

1. Waste Segregation

- Supporting waste segregation practices at all plants and offices

- **Philippine**

- Proper scrap disposal (plastic and metal drums) led to savings of P100,000 /year - **Philippine**

2. Green Solutions

Chem-Aqua BIB has safe and environmentally friendly packaging, which saves storage space, improves logistical efficiency, saves raw material consumption and reduces the carbon footprint. - **China**

- Bag in Box (BIB) packaging for NCH Japan customers - **Philippine**



3. Production improvements

- Improve the acid tank scrubbing method by replacing the water injection scrubbing with water gun scrubbing, reducing the consumption of scrubbing water and sewage disposal costs.

- **China**





As part of the NCH Corporate Sustainability Program, NCH Chem-Aqua has launched an award of recognition for customers that achieved their sustainability goals with the **Water Savings, Energy Saving, Reducing Carbon footprint and “Get Clean & Keep Clean”** through the NCH Water Treatment Program.

Program

The Sustainability Partnership Program will recognize customers and their companies where NCH can show/demonstrate savings from water and energy, reduce carbon footprint and help protect and extend the life of equipment. This recognition program will award the recipient with a certificate and plaque for display. Recognition will merit a formal presentation of the award by NCH Managers to the company and their staff.

Sustainability Partnership Awards Mission Statement

NCH Chem-Aqua is committed to the **Sustainable Water Treatment program** which will be a partnership between our customer and NCH. The program will serve to adapt to the fast pace and demands of limited natural resources such as water and energy. As a sustainability partner, Chem-Aqua’s products, equipment, and services help reduce customer’s water and energy footprint as well as positively impact the total cost of operation.

Objective

Benchmark achievements and progress
Recognition of their own market/customers



NCH Sustainability partnership program

NCH ASIA PACIFIC and NCH CHEM-AQUA renew their commitment to sustainability with the **NCH Sustainability Partnership Program**. This celebrates and recognizes NCH customers and their companies that showed and demonstrated savings from water and energy, reduced carbon footprints and helped protect and extend the life of equipment. The program was formally launched in May 2022 in the NCH Asia Pacific region.

This year, we have recipients from China, India, Japan, Korea, Malaysia, Philippines, and Thailand. The 2023 **NCH Sustainability Partnership Program** awardees are as follows: Budweiser Beer (Wuhan, China), Hilton Manyatha (India), Pacific Mall- Tagore Garden (India), Cold Storage (Japan), Daesung Industrial Gases Co., Ltd (Korea), Interflex Co., Ltd. (Korea), ST Pharm Co., Ltd (Korea), Manulife Malaysia (Malaysia), Daito Asia Development (Malaysia) II Sdn Bhd (T.A. Hilton Kuala Lumpur, Malaysia), Sunway Velocity Mall (Malaysia), Pantai Dalit Beach Resort Sdn Bhd (T.A. Shangri-La Rasa Ria, Malaysia), San Miguel Brewery Sta Rosa Laguna – Philippines, BISCOM (Binalbagan Isabela Sugar Company) Inc. (Philippines), Unipace Corporation-Gaisano Malls (Philippines), Ayala Capitol Central Mall (Philippines), San Miguel Brewery Inc.-Tagoloan, (Philippines), San Miguel Brewery (Thailand) Co., Ltd. (Thailand) and Thai Kanchanaburi Power Co., Ltd. (Thailand).

The NCH Sustainability Partnership Program will be a yearly recognition of our customers' efforts to efficiently manage limited natural resources such as water and energy. As a sustainability partner, NCH Chem-Aqua's products, equipment, and services help reduce customer's water and energy footprint as well as positively impact the total cost of operation.

We will highlight our customers' accomplishments that support sustainability. We will start with **Water Savings, Energy Saving, Reducing Carbon footprint and "Get Clean & Keep Clean"** through the NCH Sustainable Water Treatment Program.



NCH Cares Community



NCH Cares Community



Supporting our community with products, services and expertise.

- NCH Ploggo
- CSR Donation drives

NCH PLOGGO ENVIRONMENTAL CAMPAIGN: Ploggo is inspired by the Swedish health craze called Plogging. Plogging is a combination of the Swedish words “plocka upp” (pick-up) and “jogga” (jog). NCH ASIA PACIFIC countries are encouraged to host a yearly PLOGGO day where associates will gather to “pick up and go!”.

- September 2022: NCH Korea kicked off the APAC PLOGGO environmental campaign with NCH Seoul office employees walking and picking up trash throughout the Banpo Hangang area.
- October 2022: NCH China PLOGGO activity in Dalian Maritime Park.
- October 2022: NCH Taiwan led the “Happy Gathering, Happy “PLOGGO” campaign where Taiwan team had a great time hiking and environmental cleaning! It is a meaningful event for NCH Taiwan to take part in helping the community and protecting the environment.
- October 2022: NCH Thailand organized the “NCH Thailand Ploggo - Run for the Earth” event. 40 NCH Thailand executives and employees participated in jogging and collecting garbage at the King Bhumibol Memorial Park in Bang Kachao.
- October 2022: NCH Philippine Coast Guard and the NCH Philippine team at the Manila Bay Boardwalk. The team also donated 60L of our premium disinfectant, Everbrite Plus to help disinfect and reduce the odors of all trash collected.
- November 2022: NCH INDIA PLOGGO community clean-up campaign
- November 2022: NCH Singapore Ploggo Activity at Changi Beach! The Singapore team had a great bonding time by having BBQ and playing some games after the Ploggo
- September 2023, NCH China continued to conduct PLOGGO activities at the Happy Coast of Dalian, Mr. Dong Eun Kim, President of APAC, led China team to practice NCH Cares along the coastline. NCH team picked up garbage and received a lot of recognition and praise from local residents.
- October 2023, NCH China organized the APAC PLOGGO environmental campaign with NCH Shanghai office employees walking and picking up trash throughout the North SongWei Road.



September, 2023, NCH China continued to conduct PLOGGO activities at the Happy Coast of Dalian, Mr. Dong Eun Kim, President of APAC, led China team to practice NCH Cares along the coastline, NCH team picked up garbage under the scorching sun and received a lot of recognition and praise from local residents.

- China



September 29, 2022, NCH Korea (Junkyu Oh, Country Manager, NCH Korea), initiated their PLOGGO environmental campaign on Friday, September 23, during which NCH Seoul office employees walked throughout the Banpo Hangang area picking up trash - so-called plogging. **- Korea**





October 2023, NCH China organized APAC PLOGGO environmental campaign with NCH Shanghai office employees walked and picked up trash throughout the North SongWei Road. - **China**



October 21, 2022, NCH Thailand organized the “NCH Thailand Ploggo - Run for the Earth” event. This event involved more than 40 executives and employees who participated in jogging and collecting garbage at the King Bhumibol Memorial Park in Bang Kachao

- **Thailand** 



A fantastic day out with the team across all the functions! NCH Singapore recently had their Ploggo Activity at Changi Beach! Besides that, the Singapore team had a great bonding time by having BBQ and playing some games after the Ploggo Thank you for all the fun, laughter and company! - **Malaysia&Singapore**



October 2022, NCH Philippine Coast Guard and the NCH Philippine team at the Manila Bay Boardwalk. The team also donated 60L of our premium disinfectant, Everbrite Plus to help disinfect and reduce the odors of all trash collected. - **Philippine**



2022 NCH INDIA PLOGGO campaign as part of NCH CARES-ENVIRONMENT. - **India**



2022 NCH Taiwan | Happy Gathering, Happy “PLOGGO” Taiwan team had a great time hiking and environmental cleaning!! After raining for days, the sun surprisingly came out on the day we held the event. We had such a lovely time enjoying mountain cleanup activity and each other’s company. It is a meaningful event for NCH Taiwan to take part in helping the community and protecting the environment. - **Taiwan**



“Nice Ploggo, Nice beach”. Our team had a fun time together cleaning the beach and the roads along the coast. In the southern region of Vietnam, Vung Tau beach is an open beach, tourists and residents here often stroll along coastal roads as well as stop at parks close to the beach. That’s why the cleanup to beautify the scenery at this beach is very meaningful to us and the people. - **Vietnam**

Country CSR Activity



Donation

NCH KOREA MATCHING FUND for EUMSUNG region This donation has been ongoing since Nov 2013 as a CSR program paid by employees and NCH Korea matching donation funds 50/ 50 respectively. The donee was selected on the recommendation of the Eumsung District office. Eumsung is the location of one of our factories. It is a relatively underdeveloped area and the needs for financial assistance are large. It is our intention to continue the financial support of this facility through charitable donations, of which about 5,000,000 KRW is the annual donation covered by NCH Korea matching fund.



Community Improvement:

August 2023, NCH India organised Green Saturday as a CSR activity. We focused on the “Go Green, Keep Clean” slogan. We reused old plastic bottles by making flower or plant pots on office premises. Being a part of a sustainable environment, our main focus was to reduce or stop using plastics and do plantations as much as possible.



We also visited the “Vung Tau Children’s Support Center” - to visit the children and give warm Christmas gifts that each individual team member had wrapped for themselves, and play games with the children. It was a very meaningful time for NCH Vietnam team to protect the environment and support children with disabilities during the festival. - Vietnam





October, 2023 Basketball competition. - **China**



NCH Korea Culture Club (Mountain Climbing, Movie club)



Sportsfest Bowling - **Philippines**



Zumba fitness class - **Philippines**

NCH Cares People



NCH Cares People



NCH Asia Pacific advocates and organizes a variety of activities to enrich the lives of its employees, making the balance between life and work.

- EHS (Environment, Health, Safety)
- Employee Engagement
- Employee health and fitness
- Leadership Management Training
- Allowances for self development (Gym or Language)
- NCH Korea Culture Club (Mountain Climbing, Movie club)
- NCH Korea Family Day
- Sports Fest:
 - NCH China Basketball competition
 - NCH Philippines Bowling competition

Consciously working and supporting sustainability

Sustainability is a long term goal for us. We are working and building a better future for our children, not just providing financially but making sure we save the world for them.

At NCH, we all believe in making better choices together so our families continue to enjoy a clean and green environment full of color and vitality.

Everything we do is for the next generation. Let's continue making our world a better place.



NCH ASIA PACIFIC

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