



Circular Economy and Business, Environment and Social impact

Starting off with employees and expanding to a community with strong waste management

SCG is committed to promoting systematic waste management and driving changes in production and consumer behavior in accordance with the circular economy principles. The effort started with SCG employees in 2018 through the Bang Sue Model, a waste management program implemented at the SCG Headquarters in Bang Sue. The project has continuously met with enormous success, embedding good ideas and inspiring employees to manage waste at its source in line with the concept “Maximize resources, segregate waste, and dispose of waste properly”. Consequently, it was found that the employees achieved 100% accuracy in waste segregation, reduced over 22 tons of waste per month, and utilized 110% of waste. This successful model has been expanded to other communities surrounding SCG plants to create a community model with integrated waste management and expand to other networks in other sectors respectively.



Building upon a waste management model at Ban Rang Phlub Community in Ban Pong district, the Ban Pong Model is a successful expansion at the district level, winning the Zero Waste Community award in the large-scale village category in 2020 from the Department of Environment Quality Promotion. With support from SCG, 17 local administrative organizations in Ban Pong district as well as government and private sectors and the locals, the Ban Pong Model aims to expand the Zero Waste community effort to cover all 183 communities in the district by 2023.



Business benefit KPI

1. Strengthen Circular Economy into business

- 92% of recycled or renewable raw materials used in production
- 67% of products can be recycled after use
- Increase revenue of 32.9 Million Baht from green sustainable products/solutions, equivalence to 61,700 tones carbon dioxide (t-Co₂).

2. Improve stakeholder collaboration

- 2,697 members of communities with 97.8 tons collected wastes from “Community Like (No) Garbage project”
- 59 role model of zero waste communities

3. Uplift overall brand reputation

- Received Sustainability Excellence Awards at SET Awards 2020 for the sixth consecutive year by the Stock Exchange of Thailand.
- Increase company PR value by 196 MB

Social/ Environmental Benefit KPI

1. Impact on the environmental impact

- 40% reduction in organic waste
- Achieving 100% concrete zero waste by returning fresh concrete 5,572 tons to utilize in local temple school for landscaping

2. Behavior change

- Three communities received award in the Zero Waste Community contest of the Department of Environmental Quality Promotion.
- 23 communities and 100 members using application “Koomkah” and PaperX for waste management respectively

SD Symposium 2020

SCG has been committed to driving the circular economy concept to create awareness and promote resource efficiency by enhancing engagement of all sectors including the government, business and public sectors since 2018 through organizing SD Symposium under the theme “Circular Economy”. In 2020, to keep the momentum going, SCG staged SD Symposium 2020 “Circular Economy: Actions for Sustainable Future” in which SCG teamed with 180 partners to sustainably tackle environmental issues by adopting the circular economy principles.



Business benefit KPI

1. Improve stakeholder collaboration

- 180 external partners with 4,372 participants was joined in Symposium online

2. Uplift overall brand reputation

- Increase company PR value by 17.3 Million Baht

Social/ Environmental Benefit KPI

1. Behavior change

- 59 community like (No) garbage project, 1 eco city and 4 water reuse management community apply circular economy principles.
- Kubota farm, inspired knowledge center driving circular economy principles in order to enhance sustainable agricultural production.