

Ngai Heng Green Agenda

Ngai Heng Pte Ltd (hereinafter referred to as Ngai Heng) recognises that the printing industry has a significant impact on the environment and that climate change is an existential threat to our times.

As responsible global citizens, we are committed to playing our part in protecting the planet by minimising environmental impact, reducing waste, and promoting sustainable practices throughout our operations. Our Green Agenda was established to guide our continuous improvement efforts toward a greener future and to support Singapore's national sustainability goals under the Singapore Green Plan 2030

Objective

The objective of the Green Agenda is to ensure that environmental impact is considered in every decision made across our business operations and activities. Ngai Heng strives to maintain eco-friendly practices and continuously improve our environmental performance in alignment to our corporate values, environmental protection goals and key pillars of the Singapore Green Plan 2030 such as Energy Reset, Green Economy and Resilient Future.

A. Our Business Approach

- > Promote eco-friendly print processes, which includes the use of environmental-friendly printing inks and **FSC®- and PEFC™-certified** paper materials.
- > Promote eco-friendly product packaging with the use of Recycled material or certified sustainable material
- > Prioritise business partners and suppliers who are aligned with Ngai Heng's Green Agenda and sustainability objectives

B. Our Production Operation

- > Regularly assess the environmental effects of Ngai Heng's printing operations which includes printer selection, maintenance and print process.
- > Improved Technology using Advanced Process-less thermal CTP plate:
 - Ngai Heng utilizes Computer-to-Plate (CTP) technology for the making of printing plates and **eliminated** film processing step.
 - This results in zero use of chemicals, water and energy for plate development.
- > Digital Printing Services: Eliminates the need for plates and use bio-degradable toners for further reducing chemical use.
- > Reduce energy wastage through effective equipment scheduling and energy-saving modes
- > Reduce the production of waste by implementing
 - Effective Job Planning & Scheduling
 - Tighter quality control and proofing processes to minimise print errors.
- > Reduce pollutants to water, land and air.
 - All waste is disposed under controlled conditions when recycling or reuse of the materials is not an available option.

Additional Environment Benefits

- > Our KBA production printers do not emit air pollutants.
- > CTP technology reduces ink consumption and fewer waste sheets by providing faster 'make-readies', and without compromising on print deliverables.
- > CTP technology also eliminates intensive chemical washing. Wherever commercially viable, we use non-chlorinated and ozone-safe alternatives in the printing process. The consumption of alcohol as a wetting agent is also significantly reduced in the printing process.
- > Our press dampening system recycles and filters press water, extending its lifespan threefold and reducing water consumption.

C. Our Materials

- > Actively reduce material wastage and promote the use of recyclable and renewable resources.
- > Eco-friendly paper:
 - Ngai Heng is both FSC®-certified and PEFC™-certified, ensuring responsible sourcing and verified chain-of-custody in all paper used.
 - We also source from FSC® and PEFC™ certified suppliers, reinforcing our commitment to sustainable forestry practices.
 - FSC®-certified paper for responsible sourcing (FSC 100%, FSC Mix, FSC Recycled).
- > Soy-based ink: Reduces volatile organic compounds (VOCs) and hazardous air pollutants (HAPs), and improving air quality.
- > 100% plant-based spray powder for print drying process: Non-toxic and promotes better air-quality.
- > Recycle used paper including damaged, error or unutilised printouts

D. D. Our Back Office Practices

In alignment with our Green Agenda, Ngai Heng's office practices promote sustainability in daily operations.

- > Energy Savings
 - Use of LED Lights instead of halogen tubes.
 - Air-conditioning temperatures maintained at ambient 23 degrees standard
 - Devices are powered on only when required, and all printers set to energy saving mode.
- > Paperless Processes:
 - Adoption of electronic documents such as e-invoice and e-payslips
- > Eco-friendly accessories:
 - Use of name card holders made of FSC®-certified paper to replace traditional hard plastic cases
- > Mindful Procurement: Purchase only what is needed: apply the 3Rs – Reduce. Reuse. Recycle.
- > Employee Engagement:
 - Promote environmental awareness and encourage all employees to take part in eco-friendly actions. Small action matters.
 - Print when necessary – doubled-sided print, 2-up print, recycle used paper.
 - Switch off lights, air conditioning units and electrical devices when not in use.

Last Reviewed: Mar 2025



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