

APPENDIX B

Detailed Case Studies:

Seven local firms including Northcroft Lim Consultants, LAUD Architects, LBD Engineering, SPIN Fans, Pacific Logistics Group (PLG), Ghim Li Group, Teo Garments

Northcroft Lim Consultants

Since 2024, Singapore has progressively introduced more sustainability considerations into the Government's tender evaluation process, starting with construction and ICT tenders, and MICE tenders from 2025.

Sr Yvonne Tho, Managing Director at Northcroft Lim Consultants, noted that growing expectations from multinational clients, institutional developers, and request for proposal (RFP) submissions for structured ESG disclosures have driven the firm to strengthen its reporting capabilities through digital tools.

This includes ESG reporting, carbon accounting, and, in some industries, Life Cycle Assessments (LCA) and Environmental Product Declarations (EPD), which are increasingly used as evaluation criteria.

"ESGpedia enabled us to consolidate our sustainability data into our first Sustainability Report within a recognised framework," said Ms Tho. "This has streamlined RFP and ESG questionnaire responses while strengthening our competitiveness."

LAUD Architects

LAUD Architects sought to move from fragmented sustainability initiatives towards a more integrated, data-driven approach and credibly showcase its efforts to increase its attractiveness in public-sector tenders.

"While ESG is primarily driven by compliance and long-term value creation, leveraging a digital platform like ESGpedia has improved our operational efficiency by reducing and streamlining manual reporting efforts," said Karen Wong, Associate Director at LAUD Architects.

"More importantly, this enables our teams to focus on core project delivery and design, supporting a more structured and scalable approach to sustainability and increasing productivity.

LBD Engineering

LBD Engineering has adopted ESGpedia to generate its FY2024 Sustainability Report more efficiently, reducing time required for Sustainability Report preparation by 50-60%, while improving both the speed and accuracy of carbon calculations and disclosures.

This also enabled the construction company, which specialises in public housing and institutional building projects, to sharpen its competitive edge in project tenders with strengthened ESG reporting and sustainability capabilities.

Having established its baseline emissions in its first year of reporting, LBD Engineering managed to identify its carbon hotspots, including diesel consumption as a key contributor.

This prompted the company to tap into the Energy Efficiency Grant (EEG) for the construction sector to support on-the-ground decarbonisation efforts.

By replacing traditional diesel generators with electric alternatives, LBD Engineering has successfully reduced emissions by 15-25%, while offsetting initial investment costs by up to 70% for qualifying equipment.

The EEG grant, aligned with Singapore's Green Building Masterplan, has helped offset upfront investment costs, enabling the firm to adopt more energy-efficient equipment and accelerate its transition towards low-carbon construction practices.

"LBD Engineering has strengthened our position in tender submissions, leveraging digital platforms like ESGpedia. We observed a noticeable improvement in our competitiveness – an estimated 10-15% increase in tender success rates where ESG factors are weighed, especially for public sector projects where sustainability is a key evaluation criterion," shared Wong Wei Chern, General Manager at LBD Engineering.

"We are now able to submit more credible and structured Sustainability Reports, which has improved our performance in tenders. Our credibility with clients, consultants, and regulators has also improved, as we can provide clear and reliable sustainability data."

SPIN Fans

Through a structured approach to carbon accounting and sustainability reporting, SPIN Fans has embedded ESG into its core operations, moving from manual processes to a data-driven digital workflow.

The impact is reflected by significant outcomes. SPIN Fans achieved an 88% reduction in total greenhouse gas emissions, surpassing its 2028 target of a 70% reduction ahead of schedule.

This was driven primarily by the full transition of its fleet from petrol to electric vehicles.

"Internally, better data visibility supported decisive actions, including the completion of our fleet electrification programme, where we saw 66% in cost savings," said Darran Ong, AI & Sustainability Manager at SPIN Fans.

Beyond operations, sustainability has strengthened SPIN Fans' market positioning and investor confidence. The company has supported over 10,000 households in adopting hybrid cooling solutions and contributed to more than 100 built environment projects, while gaining industry recognition including the ESNB Green Deal Badge in Gold, awarded by the United Nations ESCAP Sustainable Business Network (ESBN), and the Best Sustainable Practices award at the Singapore Innovation and Manufacturing Excellence Award (SIMEA) 2026.

SPIN Fans has witnessed increased competitiveness and ease in meeting tender and industry award requirements. "The most immediate business value since adopting ESGpedia has been improved credibility and readiness when sustainability requirements come up in partner discussions, proposals, and recognition/validation processes, because our emissions and sustainability performance are clearly tracked and reportable," said Jerald Tew, Founder of SPIN Fans.

"This supports our roadmap, including integrating post-consumer recycled (PCR) materials into 10% of product lines by 2026 and progressing towards a Low/Zero Carbon Certification for one product line."

Pacific Logistics Group (PLG)

In the logistics sector, Pacific Logistics Group (PLG) is approaching sustainability as a forward-looking strategy to strengthen resilience and long-term competitiveness.

Since adopting ESGpedia, PLG has established a foundational ESG framework and roadmap, and advanced in its supplier enablement, positioning the company to meet evolving requirements and enhance credibility with stakeholders.

"We see sustainability as key to staying competitive in a rapidly evolving market," said Jack Lim, General Manager (Compliance), at PLG. "By strengthening our ESG data capabilities, improving carbon tracking, and engaging our suppliers, we are building our foundation to meet rising expectations and position ourselves as a reliable logistics partner."

As PLG advances its ESG maturity, the focus remains on improving data transparency and embedding sustainability into operations, ensuring readiness for future regulatory and market demands.

Ghim Li Group

For companies like Ghim Li Group, sustainability reporting is necessary in helping the global textile and apparel manufacturer maintain its standing with global brands and department stores. Today, Ghim Li supplies more than 65 million pieces of apparel annually to an impressive list of clients, including US retail giants, major department stores, specialty stores, and mass merchants.

"Sustainability is a core requirement from global buyers, and we are seeing it embedded more deeply into procurement decisions alongside cost, quality, and delivery," said Felicia Gan, Chief Executive Officer of Ghim Li.

Operating across manufacturing facilities and supply partners in Indonesia, Cambodia, and Malaysia, the Group faces multi-jurisdictional reporting requirements.

“Navigating different reporting requirements and sustainability standards was complex, and maintaining data consistency across sites was a challenge,” Ms Gan explained.

To address this, Ghim Li has adopted ESGpedia and sustainability advisory support to streamline data management and ESG reporting in accordance with the Australian Sustainability Reporting Standards (ASRS).

“We use ESGpedia to manage sustainability data, carbon accounting, and reporting workflows,” Ms Gan said. “It helps streamline data collection from internal teams and suppliers, supports Scope 1 to 3 emissions visibility, and strengthens our ability to meet sustainability and carbon disclosure requirements requested by customers – supporting successful participation in customer audits, vendor assessments, and ESG-linked business opportunities.”

Beyond reporting, these capabilities are supporting tangible outcomes with direct impact on businesses’ bottom lines, including emissions reduction and access to preferential financing.

“Since 2017, the Group has reduced 33,135.1 tCO₂e through energy efficiency initiatives,” Ms Gan shared. “We are currently undertaking the installation of a solar energy system expected to deliver an estimated 15 to 20% reduction in electricity consumption.”

“Through a simplified ESG reporting process on the ESGpedia platform, Ghim Li was able to attain sustainability-linked financing, unlocking access to green capital and demonstrating our ability to meet requirements stipulated by financial institutions and global stakeholders.”

Teo Garments

For Teo Garments, a certified B Corporation, early efforts reflected common SME challenges: navigating multiple reporting standards and establishing carbon accounting processes.

The shift to digital tools helped streamline these processes, reducing manual effort and improving alignment with reporting frameworks.

Through the LowCarbonSG Programme, powered by ESGpedia in partnership with the UN Global Compact Network Singapore, Teo Garments also leveraged the Digital Carbon and Emissions Recording Tool (CERT) to efficiently track and report emissions, while aligning with nationally recognised frameworks.

“We saved at least 600 manhours through our partnership with ESGpedia, completing our sustainability reporting three months earlier than expected. These hours have been redirected to other productive areas of our business,” shared Aria Cui, Compliance and Sustainability Executive at Teo Garments.