

Press Release

Hong Kong, November 08th 2011

HK Non-Woven (HKNW) was awarded Silver label in the Low Carbon Manufacturing Programme (LCMP) initiated by WWF; the only Small and Medium Enterprise (SME) to qualify for the award.

Harmony with nature enhanced with low carbon manufacturing

Initiated by WWF-Hong Kong in 2009, the Low Carbon Manufacturing Programme (LCMP) has been embraced by many manufacturing facilities committed to raising energy efficiency standards in the Pearl River Delta (PRD).



Eight manufacturers were awarded LCMP Labels in their efforts to help to build a PRD low carbon region. Representatives were photographed with officials of WWF.

In a recent WWF LCMP labelling award ceremony (refer to panel for manufacturers) held in the Pearl River Delta, eight manufacturers were awarded LCMP labels for meeting different levels of annual reduction in their carbon intensity. Compared to the previous year's figures, the average annual reduction in the participating companies' carbon intensity was 27% in 2010. One of the awardholders, Leungman Lighting, achieved the highest annual carbon intensity reduction 39% in 2010.

The awards ceremony for 2011 was officiated by Dr. Kelly Foon, Under Secretary for the Environment, Mr. Jerome Higgs, Managing Director of Environmental Assessment Services Asia Limited (ESAL), Mr. Kenneth Li, Chairman of Crystal Group, and Dr. Andy Cornish, Convention Director of WWF-Hong Kong.

In her speech, Dr. Foon acknowledged the LCMP as a "great programme to fight against climate change". Before sharing with the audience her plan for building a Quality Living Area in the PRD with concentrations from the Guangdong Provincial Government, as well as the government of the HKSAR and Macao SAR.

"Attaching much importance to the issue of climate change, the HKSAR government is taking steps to control carbon emissions and promote a low carbon economy," said Dr. Foon, adding that the government has embarked upon a series of measures to support the LCMP.

The LCMP aims at reducing carbon emissions generated by manufacturing facilities in the Pearl River Delta and achieving environmental goals for these manufacturers. First established in 2009, the LCMP works as a tool to measure the carbon emissions generated by manufacturing facilities.

The LCMP is an initiative of WWF-Hong Kong with independent verification undertaken by a third party verifier organization. There are three evaluation criteria: carbon intensity, carbon footprint reduction, greenhouse gas (GHG) management practice, and technology process.

A report is then issued to the factory based on the scores awarded in each criterion. The total score will decide the LCMP label to be awarded to a manufacturing facility. The LCMP labels are divided into Certified, Silver, Gold and Platinum.

cooperation with Guangdong and Shenzhen in several areas, such as the promotion of electric vehicles and the development of green transportation, that will help reduce carbon emissions.

The LCMP is a result of a tripartite collaboration in the development phase, including a pilot scheme test of the system on three companies in the electronics, plastics and hardware/garment sectors in 2009. In addition to WWF-Hong Kong, the Hong Kong Productivity Council and Asean International Technology & Development (Singapore) Limited put in essential support to give the system. Today, there are 12 factories with over 40,000 staff participating in LCMP.

The programme had much to thank the Green Design Fund managed by ESAL, itself an independent environmental investment management company specializing in investment in the Asian environmental and low carbon sector, for its financial support.

"The Low Carbon Manufacturing Programme represents a much needed programme for the PRD at a time when China has pledged to ambitious environmental goals following the announcement of the 12th Five Year Plan earlier this year," said Mr. Jerome Higgs, Managing Director of ESAL. He noted that China is set to lead the world in the transition towards low carbon growth with its plans to reduce carbon intensity on the national level, as well as the promotion of the use of power from renewable resources and the scheduled introduction of carbon trading.

As noted by many awardholders, while there are hurdles to overcome in their drive towards low carbon manufacturing, the LCMP represents one of the most viable and complete solutions available.

In addition, most awardholders were pleased to share with the industry how to participate in the programme and how they would be rewarded after all their efforts.

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Dr. Kelly Foon, Under Secretary for the Environment.

TAL champions low carbon manufacturing

With 10 manufacturing facilities in five Asian countries, TAL Apparel Limited (TAL) ranks among the biggest companies in the textile and apparel sector in the world. It is also one of the most forward-looking companies when it comes to the efforts to drive down carbon emissions and GHG management.

TAL is a founding member of the Sustainable Fashion Business Consortium (SFBC), a group of Hong Kong based companies in the textile and apparel sector committed to promoting and increasing the use of sustainable practices across the fashion supply chain, launched in 2008.

"In 2008, many members of the SFBC expressed the wish to reduce carbon emissions and to monitor GHG management," recalled Dr. Simon Lam, President & Chief Technology Officer, TAL Apparel Limited. "But we haven't had any real idea how to proceed."

Then, WWF-Hong Kong came along with the newly developed LCMP and "carbon accounting was suddenly much easier to follow."

According to TAL, not only does WWF bring a manufacturer design blueprint in carbon, it also encourages the best practice among them, while the carbon accounting software is easy to follow.

As a large scale manufacturer in the sector, TAL has worked with different consultation companies in the past in order to reduce carbon emissions as a result of its manufacturing activities. "Compared to other methods we have used, LCMP is simple to apply to a manufacturing facility and one of the reasons that causes much smaller disruption to the routine operation of a company."

While members of TAL team will likely find themselves occupied with comparing carbon emissions of different production processes, the company has been studying the boundaries of recycling left over materials. "For sure there are problems involving on the floor in any one development, but we believe environmental solutions are worth our efforts."



Dr. Deborah Lee of TAL Apparel Limited praised the simplicity of an LCMP.

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Mr. Jerome Higgs said that the LCMP represented an important programme where China played a significant environmental role.

Sponsored Feature

MINIMIZE POLLUTION

- 1 "Reduce" resource input
- 2 "Reuse" production leftovers
- 3 "Recycle" wastage

Hong Kong Non-Woven, the leading fiberfill and insulation manufacturer, has participated in WWF's LCMP program as an effort to support the campaign to reduce manufacturing carbon emission along the Pearl River Delta (PRD), and was subsequently accredited a Silver Award after a swift one day verification process conducted by third party verifier Control Union. This award is recognition of the long-term dedication to responsible production.

Having been dedicated to minimizing pollution since our founding, we have continuously reinvented our processes from "Reduce" resource input, to "Reuse" production leftovers, and "Recycle" wastage. As a result we were able to enjoy better utilization of resources, high production efficiency and lower emission.



"We are pleased to be accredited the LCMP Silver Award as it is an outside endorsement of our self-initiated sustainable culture. More importantly, we are proud to be the first to demonstrate how an SME can participate and benefit from sustainability without putting business at risk. Sustainability does not necessarily involve large investment, but can easily be done through process refinement. Often the result is beneficial to the factory, the consumer and the stakeholders. The LCMP program is the best available tool to access and benchmark a company's carbon emission, and allow you to identify areas for improvements. We have also co-developed a free guidebook with Clothing Industry Training Authority (CITA) to encourage and to provide guidance to other SME to initiate their low carbon production. Through leading by example, we hope to encourage more SME to adopt sustainable practice so as to improve the regional competitiveness to be on par with the global requirements." **Anderson Lee, Business Director.**

世界自然基金會「低碳製造計劃」 協助廠商推行環保

從製造業的角度看，推行環保被視為洪水猛獸，不過一項專為珠三角廠家設立的低碳認證標，參與的製造商不但成功減碳，更成功降低營運成本及提升品牌形象，值得業界借鑒。

今年共有八間製造商獲得由世界自然基金會香港分會頒發的「低碳製造計劃」(LCMP) 標識認證。由生產至銷售，不但履行企業社會責任，更節省營運開支，印證推行低減並無阻礙業務，對公司百利而無一害。

LCMP訂下基準有數可依

經營針織布的東莞沙田維翰印染有限公司取得黃金標識認證，實行減碳不增加營運成本，更可以提升品牌形象。其母公司福田實業(集團)區域業務高級副總裁邱建表示，去年斥資一千萬元人民幣用於基本開支，改善水、電等節能項目，今年已節省了一千九百萬元人民幣，已經做到收支平衡。「紡織業是以人為本的行業，由生產至銷售都會在同一地方超過二十年，不少員工更於廠區成家立室，妥善保護周邊環境可增加員工歸屬感；若一邊製造，一邊破壞，便影響當地工人的



福田實業(集團)區域業務高級副總裁邱建(左二)與LCMP負責人(左一)合影。



根據去年數據顯示，八間製造商的碳排放強度平均每年減少達7.2%，成效顯著。

生活。」他不諱言，減排初期無所適從，幸好接觸到「低碳製造計劃」，在減少碳排放、溫室氣體等範疇給予一個基礎標準，令行動事半功倍。

支援業務走向高端

環除了降低營運成本外，更可將公司業務推向高端。香港織造工業旗下的區如香港維翰有限公司今年榮獲標識認證，其業務總監李明威指，傳統隔熱保溫衣物裝備的行業屬於低價市場，若講求環保或導致營運成本上升，因此行業普遍難以接受減碳概念。「公司自一九九九年成立以後，已決定製造最優質的貨品，因此我們與重視環保的國際知名品牌合作，傾向ODM的路線，並改用自行研發的環保水性物料，取代化學物料。」為降低研發成本及風險，他們更與廠商合作，以大批買斷的形式鎖死價格，並要求繼續研發環保生產技術。



香港織造工業業務總監李明威(左)與LCMP負責人(右)合影。

環保教育軟硬兼施

製造業競爭大，廠商一般只能專注於提高盈利，無暇顧及其他事情，要推行環保可謂困難重重。聯業製衣旗下的聯亞製衣(廣東)有限公司今年獲白金標識認證。聯業製衣總裁兼首席科技總監李國本表示，最初實行減碳時，發現無從入手，而由世界自然基金會頒發的LCMP正好給予廠長及員工明確指引。「除了LCMP的硬件外，集團亦採用



環境局副局長潘潔博士(右三)、世界自然基金會香港分會環境保護總監李力博博士(左一)、環境投資服務亞洲有限公司(EISAL)執行董事許傑志先生(左二)、區英集團主席羅樂風先生(右二)及中國國際貿易促進委員會廣州市委員會、中國國際商會廣州商會副會長李連女女士(右一)主持頒獎典禮開幕儀式。

「軟硬兼施」之法，教育員工投入環保，不單能有助減碳排，還能實現低減足印的真正目標。」

配合中國「十二五」規劃的減碳目標

「低碳製造計劃」標識由獨立第三方進行評估驗證，世界自然基金會頒發，協助製造商立目標及量度減碳成效，讓他們掌握管理溫室氣體的最好措施。截至今天，共有三十二間製造商，合共超過萬名員工參與LCMP；根據去年的數據，八間獲標識認證的製造商的碳排放強度平均每年減少達7.2%，有助配合中國「十二五」規劃訂下減少百分之十七的碳排放強度的目標。環境局副局長潘潔博士於致辭時指：「香港、廣東及澳門三地政府正就《共建環保生活圈專項規劃》(《專項規劃》)的初步建議進行公眾諮詢。《專項規劃》提出了將大珠三角地區建設成一個低碳、高科技、低污染的優質生活區域群。透過加強節能和減排措

施，企業在推動大珠三角地區的低碳經濟和可持續發展上擔當着重要的角色。」

協助提升企業形象

LCMP的措施將提升製造商的能源效率標準，達業內的最佳守則水平，並可提升營運效率，協助企業長遠節省成本。如今，世界各地的消費者不僅看重產品的價格和質量，品牌的透明度及減排力度也是備受關注。世界自然基金會香港分會氣候項目商業參與總監劉何美蘭表示：「LCMP確保低減碳的措施能通過供應鏈有效地傳授及實踐，是一個能幫助與歐美品牌合作的製造商改善企業形象和企業競爭力的有效工具。」世界自然基金會香港分會相信減碳不應是製造商的責任，也是香港上市公司的責任。二零一一年四月，香港交易及結算有限公司(香港交易所)開始為上市公司提供有關環境、社會及管治(ESG)方面的匯報培訓，並應前就草擬ESG匯報指引進行諮詢。何美蘭說：「我們相信香港交易所的ESG匯報指引將推動珠三角的商界及製造業進一步減碳，包括數據收集、測量和驗證等。製造業的參與亦有助完善ESG匯報制度，LCMP是製造商可依賴的減碳量檢測工具。」

(資料由客戶提供)

About LCMP:

Developed by WWF Hong Kong, the Low Carbon Manufacturing Programme (LCMP) aims at reducing carbon emissions generated by manufacturing facilities in the Pearl River Delta (PRD) and developing environmental social governance for those manufacturers. By providing manufacturers with a simple online carbon accounting and labeling system, LCMP helps to measure their effectiveness in reducing carbon emissions and equip them with best practice in greenhouse gas management, that is consistent with all key international carbon accounting and reporting standards and initiatives. It also provides tools to allow companies identify potential energy saving through GreenHouse Gas (GHG) management and best-available technologies checklists. LCMP is different from existing international initiatives in that it primarily aims to recognize positive actions to reduce GHG emissions directly by manufacturers in global supply chain and to equip them with tools to identify and report areas for emissions reductions and cost savings.

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