

Case Study

Carbon Footprint Measurement and Verification

Intertek

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Company / Authority

BOE Technology
Group Co., Ltd.

Industry

Manufacturing

Region

Asia Pacific

Intertek Solutions

Carbon Footprinting
Life Cycle Analysis

“BOE makes continuous efforts to produce and manufacture green products in embracing a green economy. Our company strives to be energy efficient, manage production operations and process improvement effectively and use innovative environmental technologies,” said Yang Xinyuan, BOE Product Quality Director. “We are active in the use of clean and renewable energy to reduce energy consumption and greenhouse gas emissions. The Carbon Trust certification illustrates the success of our efforts, ranking BOE carbon emissions among the lowest in China.”

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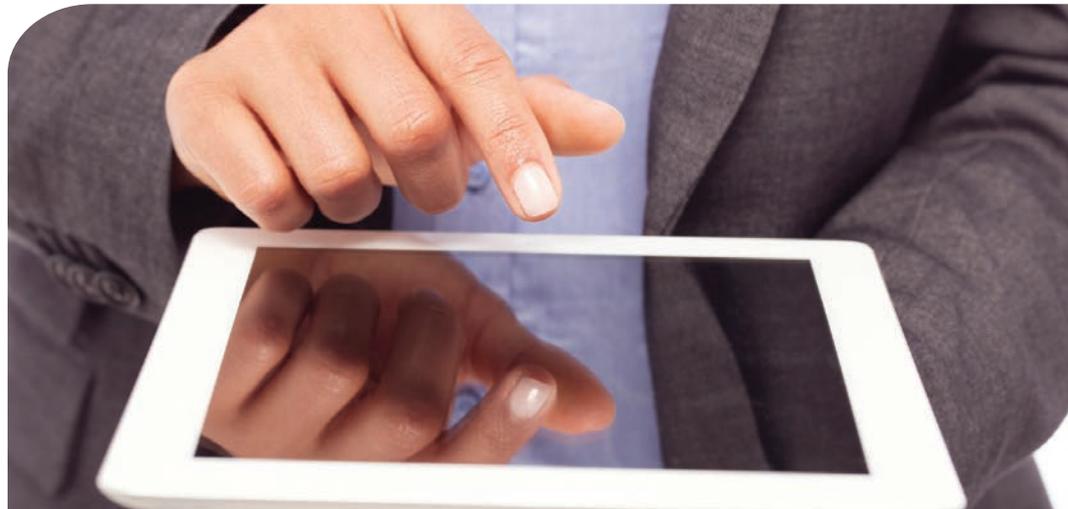
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The Challenge

China-based BOE Technology Group Co., Ltd. manufactures LCD screens for mobile devices, tablets, computer monitors and television display screens. A leader in LCD technology, BOE is playing an active role in establishing the green business agenda for the electronics industry. As a result, BOE has dedicated significant resources to focus on product eco-design in order to provide consumers with environmentally products, while promoting a responsible corporate image through its green efforts. In order to communicate these efforts to consumers, BOE sought an independent footprint certification from the Carbon Trust to verify the carbon footprint of its products.



The Solution

BOE chose Intertek to calculate the carbon footprint of some of its most popular products for which it sought the Carbon Trust certification. Intertek assessed BOE's 18.5-inch TFT-LCD screen by conducting a life cycle assessment (LCA) to calculate the product's environmental impacts. LCAs enable brands, manufacturers and retailers to better understand the environmental impacts of their products during all of the stages of a product's life cycle. LCAs can be used to facilitate more informed decision making in product development, identify opportunities for optimization and cost reduction in the supply chain and help validate environmental claims and compare products. Intertek measured the carbon footprint and the main environmental impacts of BOE's 18.5-inch TFT-LCD screen from the raw materials to the end use of the product. BOE then collaborated with its suppliers to improve environmental performance and make it an integral part of production.

Business Results

Using the information gained from Intertek's LCA of its 18.5-inch TFT-LCD, BOE was able to secure a second Carbon Trust Carbon Footprint Certification for the second year in a row. Carbon Trust is a world-leading organization that helps businesses, governments and the public sector to accelerate the move to a low-carbon economy through carbon reduction, energy-saving strategies and commercializing low-carbon technologies. Using the Carbon Trust certification, BOE can better convey and communicate its environmental attributes and values to consumers.