

Eco-Design & Manufacturing Consultancy Service 生態設計及製造管理顧問服務

Our Scope of Services

- To enhance product development and manufacturing operations through benchmarking the best-in-class international/national Eco-design & manufacturing systems
- To assist the industry to meet relevant international/national standards related to restricted and controlled substances
- To assist industry diversification and meet immediate customer requirements through implementing industry-specific green design & manufacturing requirements
- To assist the industry to identify opportunities of improvement through value-added green assessment and green auditing
- To enhance technical competency of industry practitioners/engineers on advanced green design and manufacturing tools
- To transfer knowledge of the latest renewable energy (wind and solar) devices and components design, manufacturing, applications, installation & management from overseas and the Mainland to the local industry

顧問服務範圍

- 通過借鑑專業嶄新的國際及國家生態設計與製造系統標準，加強產品的研發和製造運作
- 協助業界符合限制和監管物質相關的國際及國家標準
- 通過實施特定行業的綠色設計與製造，以協助產業轉型和符合客戶要求
- 通過綠色增值評估及審查，以協助業界確定改善空間
- 提升業界從業員及工程師對於先進的綠色設計與製造工具範疇的技術能力
- 把海外及內地嶄新再生能源（風能及太陽能）設備及零部件設計、製造、應用、安裝及管理技術知識轉移至本地業界從業員及工程師

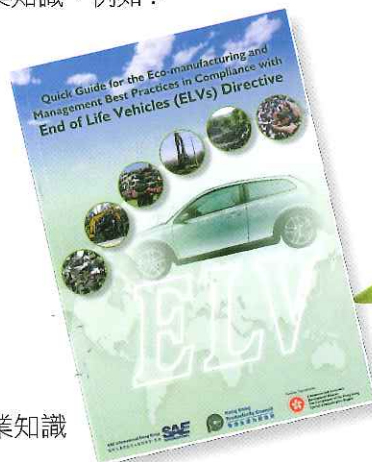
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Our Competency

- Extensive knowledge on various types of the best-in-class international/national Eco-design & manufacturing systems such as ISO 14006:2011, IEC 62430:2009, ISO 14062:2002, etc.
- Extensive knowledge on various types of industry-specific green design & manufacturing requirements such as End-of-life Vehicle (ELV), Automotive REACH, Global Automotive Declarable Substance List (GADSL), Ford Restricted Substance Management Standard (RSMS), End-of-life Aircraft (ELA), Forest Stewardship Council (FSC), etc.
- Extensive knowledge on various types of advanced green design and manufacturing tools such as:-
 - Life Cycle Cost Analysis (LCC)
 - International Material Data System (IMDS)
 - International Material Coding System (IMCS)
 - Product Life Cycle Management (PLM)
 - Design for Reuse, Recovery & Recycle (DfRs)
 - Design for Manufacturability and Assembly (DFM and DFA)
 - Design for Environment (DfE)
 - Use of Secondary Materials (USMs)
 - Use of Renewable Raw Materials (URRMs)
 - Use of Non-hazardous Materials (UNhMs)
 - Less Consumption of Energy (LCE)
 - Less Emission (Water, Noise, Air) Released (LER)
- Extensive knowledge and hands-on experiences on green design and manufacturing system implementation
- Extensive knowledge and hands-on experiences on international/national regulatory requirements on green product design and manufacturing
- Close network with overseas and mainland specialists to provide comprehensive support on up-to-date renewable energy technology to industry

我們的優勢

- 擁有豐富的國際及國家生態設計與製造系統標準知識，例如 ISO 14006:2011、IEC 62430:2009、ISO 14062:2002 等
- 擁有對特定行業的綠色設計與製造的專業知識，例如國際廢棄車輛規章（ELV）、汽車業 REACH 法規、全球汽車申報物質清單（GADSL）、福特限制物質管理標準（RSMS）、國際廢棄飛機規章（ELA）、森林管理委員會（FSC）等
- 對各類先進的綠色設計與製造工具擁有豐富的專業知識，例如 :-
 - 生命週期成本分析（LCC）
 - 國際材料數據系統（IMDS）
 - 國際材料編碼系統（IMCS）
 - 產品生命週期管理（PLM）
 - 可再用、修復及回收的設計（DfRs）
 - 可製造及裝配的設計（DFM 及 DFA）
 - 環保設計（DfE）
 - 使用輔助材料（USMs）
 - 使用可再生原料（URRMs）
 - 使用非危險品（UNhMs）
 - 減少能源消耗（LCE）
 - 減低排放（水、噪音、空氣）（LER）
- 於綠色設計和製造系統的實施範疇具備豐富的專業知識和實際推行經驗
- 對國際及國家於綠色產品和製造方面的監管要求具備豐富的專業知識和實踐經驗
- 與海外及內地多位太陽能及風能學者緊密合作，為本地企業提供強大的技術支援網



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