



ELECTRIC CONVERSION
電動動力系統轉換

About 關於 Refined Motor Co.

Are electric vehicles eco-friendly? Governments all over the world have been promoting the replacement of internal combustion vehicles with electric vehicles. However, no one ever talks about the waste arisen from scrappage of vehicles. As a result, there is a need for a more sustainable approach - electric powertrain conversion.

Refined Motor Co ("RMC") is an electric powertrain conversion specialist located in Hong Kong. The company works closely with various institutions, including Hong Kong Science and Technology Parks, in the development of our universal electric powertrain. The system has been tested and demonstrated in our prototype vehicle - a 1994 Bentley Turbo R. Performance and efficiency have shown massive improvement post-conversion.

電動車輛是否環保？世界各地的政府一直在推廣以電動車取代內燃車。然而，從報廢車輛產生的廢棄物方面很少有人提及。因此，需要一種更可持續的方法 - 電動動力系統轉換。

Refined Motor Co ("RMC") 是位於香港的電動動力系統轉換專家。該公司與香港科技園等機構密切合作，開發我們的通用電動動力系統。該系統已在我們的原型車 - 一輛1994年的賓利Turbo R上進行了測試和演示。轉換後，性能和效率顯著提高。

ORGANISATION & MANAGEMENT 組織及管理層



Angus L.
Director
執行董事



Gary T.
Chief Tech Officer
首席技術長



Brian K.
Senior Tech Specialist
資深機械工程師



Alan N.
Tech Specialist
電機工程師

Mission and Vision 使命和願景

The truly sustainable and carbon neutral approach to electric vehicle adoption.

真正可持續和碳中和的電動車普及方法。



MISSION 使命

Encouraging electric powertrain adoption without creating waste, thus promoting true carbon neutral. SAVING THE WORLD ONE CONVERSION AT A TIME.

在不產生廢棄物的情況下鼓勵電動動力系統的普及，從而真正實現碳中和。

由一次轉換，拯救一個世界。



VISION 願景

RMC strives to become the world leading electric powertrain conversion specialist. Our company strongly believes that this is the only sustainable approach to electric vehicle adoption.

RMC努力成為世界領先的電動動力系統轉換專家。我們公司堅信這是電動車普及的唯一可持續方法。

Completed Vehicles 製成品

Electric conversion significantly improves reliability and refines the driving experience.

電動動力系統轉換能夠大大提升可靠性及駕駛樂趣。



1994 BENTLEY TURBO EVR

The Turbo R started life as a 6.75L V8 turbocharged powertrain. The system was prone to various maintenance issues and high running costs, all eliminated with RMC modern electric technology.

Turbo R最初搭載一套渦輪增壓的6.75升V8動力系統。該系統容易出現各種維護問題，運行成本也相當高。RMC的現代化電動轉換解決了這些問題。



1989 BMW E30 TOURING EVR

The BMW E30 is a truly iconic car from the Munich brand. After years of neglect, the vehicle was brought back to life by RMC through electric conversion.

寶馬E30是德國品牌的標志性車款。存放多年後，RMC通過電動化讓這台車重獲新生



1990 ROVER MINI EVF

Approximately 5.38 million Classic Minis were produced. Converting to electric allows addition of air-conditioning, power steering and other modern user friendly features.

經典Mini共生產了超過538萬輛。轉成電動車後，同時能夠添加空調、電動動力轉向輔助和其他現代化功能。



2007 LAND ROVER DEFENDER EVA

The converted Defender retains an all wheel drive system with differential lock. Being fully waterproof, it is still a capable off-roader with peak torque from stand still.

轉換後的Defender保留了帶差速鎖的四輪驅動系統。因為電動系統是防水的，車輛還能保持越野能力。靜止狀態下也能達到峰值扭矩。

AND MORE 及更多

Modern Features 現代化功能

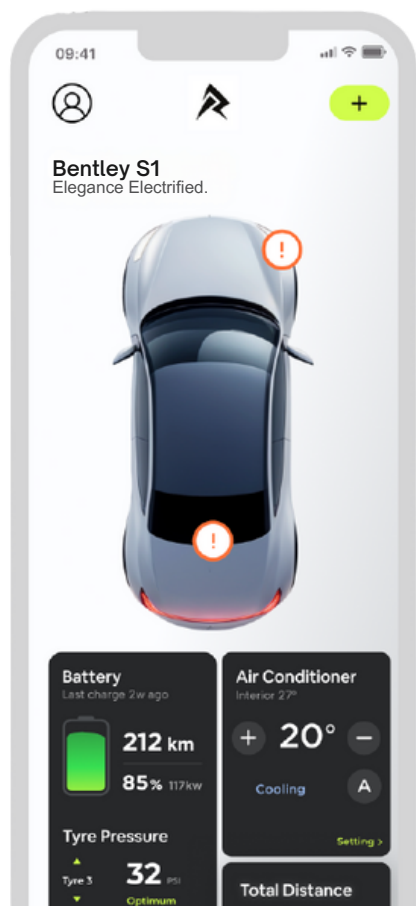
Conversion is not just about the powertrain, RMC can add modern features to improve usability.

電動化不僅涉及動力系統，RMC可以添加更多現代功能以提高可用性。

REMOTE ACCESS & CONTROL

RMC conversions enable remote access and control through our dedicated mobile app. You can check out battery level, vehicle health, control air-conditioning and more. A truly innovative approach to electric conversion.

RMC 動力系統可透過專用的應用程式實現遠端存取和控制。您可以查看電池電量、車輛健康狀況、控制空調等等。這是一款真正創新的電動轉換方案。



ELECTRIC AIR CONDITIONING

Even for vehicles that did not install air-conditioning from factory, system can be added on demand. Perfect for all weather climates around the world.

即使出廠時未安裝空調的車輛，也可以根據需要添加系統。完美適應全球各種氣候條件。

ELECTRIC POWER STEERING

Make your life easier with electric power steering. The RMC universal power steering system can be fitted to all vehicles.

電動輔助轉向，讓您的生活更輕鬆。RMC 通用輔助轉向系統適用於所有車輛。

INFOTAINMENT

With Apple Carplay and Android Auto enabled, every drive is made more entertaining and safer. Our ultimate goal is to build daily driven conversions.

啟用 Apple Carplay 和 Android Auto，每次駕駛都更有趣、更安全。我們的終極目標是打造日常駕駛體驗。

AND MORE 及更多

REFINED MOTOR CO.

Spec comparison 規格對比

1974 Porshce 911	Petrol 電油	Electric 電動
Max Power 最大輸出	150hp @5,700rpm	202hp @0rpm
Max Torque 最大扭力	237Nm @3,800rpm	280Nm @0rpm
0-100kmph	6.0s	<5.0s
Energy 能源成本	HK\$4.80/km	HK\$0.23/km
Servicing 維修費用	~HK\$2,500 per 10,000km	~HK\$1,000 per 6 months
License Fee 牌照費用	\$9,929 per year	\$696 per year



Conversion Timeline 計畫時間表

It is of utmost importance to ensure that the electric powertrain conversion is completed to a safe standard. The time required is **3 to 12 months** depending on complexity and specification of the vehicle. RMC will handle all documentation regarding licensing of the vehicle. The client will be updated along the process at an interval of no less than once per month.

The client will also enjoy warranty for our powertrain up to a maximum of 5 years or 80,000km.

確保電動動力系統轉換達到安全標準是至關重要的。完成所需的時間根據車輛的複雜性和規格而定，通常需要**3至12個月**。RMC將處理與牌照相關的所有文件。在整個過程中，我們將以不少於每月一次的頻率向客戶更新。

客戶將享受我們電動動力系統的最高5年或80,000公里的保修期。

1

Removal of internal combustion parts
內燃機零件拆除工程

2

Measurement and designing of custom mounts
量度並設計支架

3

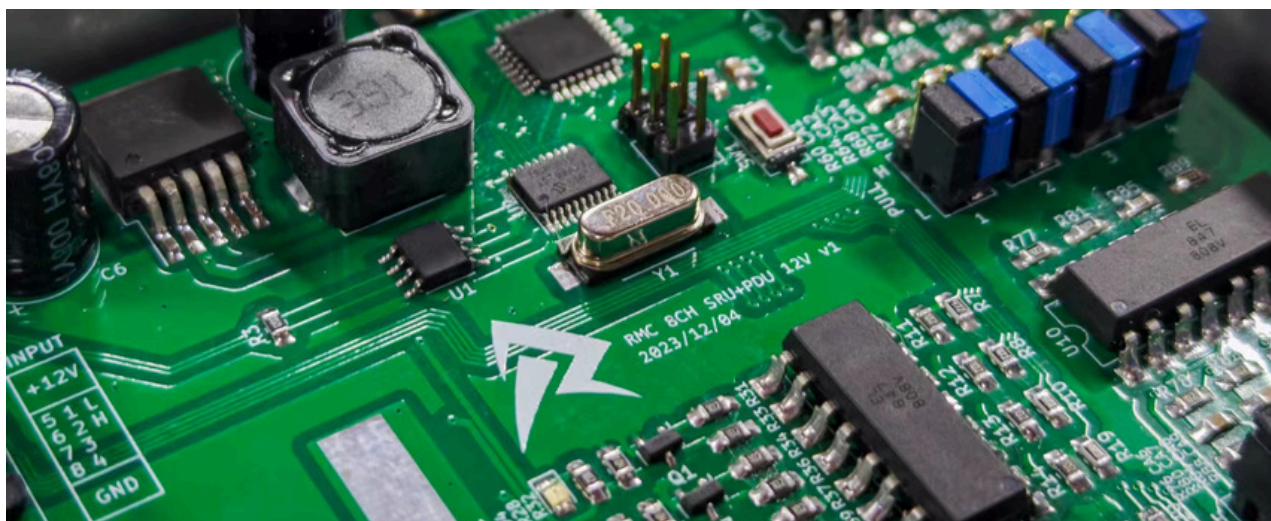
Installation of new electric powertrain parts
新電動動力系統安裝工程

4

Test drive and certification of vehicle
車輛轉換後試驗和認證工作

5

Handover vehicle
車輛交付及投入服務





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