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2035 E-Mobility Taiwan 盛大開展 展現未來移動生態系

由外貿協會主辦之第三屆「台灣國際智慧移動展 (2035 E-Mobility Taiwan)」於今年4月17日至20日在台北南港展覽館1館4樓盛大舉行，展出智能、永續的未來移動解決方案，滿足全球市場採購及合作需求。

展覽匯聚上下游業者，包含成運汽車將展出長途城際快充電巴；馳諾瓦、士林電機、台達、德州儀器、太平洋電線電纜、泓德能源、至上電子、菲尼克斯、微星展出電動車電池、馬達、充電設備；研華、公信電子、科絡達、是德科技、創星物聯則展出車輛導航、遠端更新、車隊管理等智慧車聯網科技。而 X-Mobility 展區的新創企業則大秀 AI 創新技術，展現臺灣創新研發實力。

4月18日登場的「360° Mobility Forum」邀請全球重量級專家—義大利電動超跑 Automobili Estrema、捷克電池協會，以及台達、恩智浦、德州儀器、台灣森那美起亞、富智捷等電動車、半導體指標大廠，從產業



中華民國對外貿易發展協會董事長 黃志芳

前瞻趨勢、永續佈局、生態系聯盟、智慧革新四大面向，協助業者掌握產業脈動。

展覽期間舉辦一系列精采活動，讓參觀

者一探最新未來移動解決方案，歡迎至官網了解更多活動內容。



活動一覽表

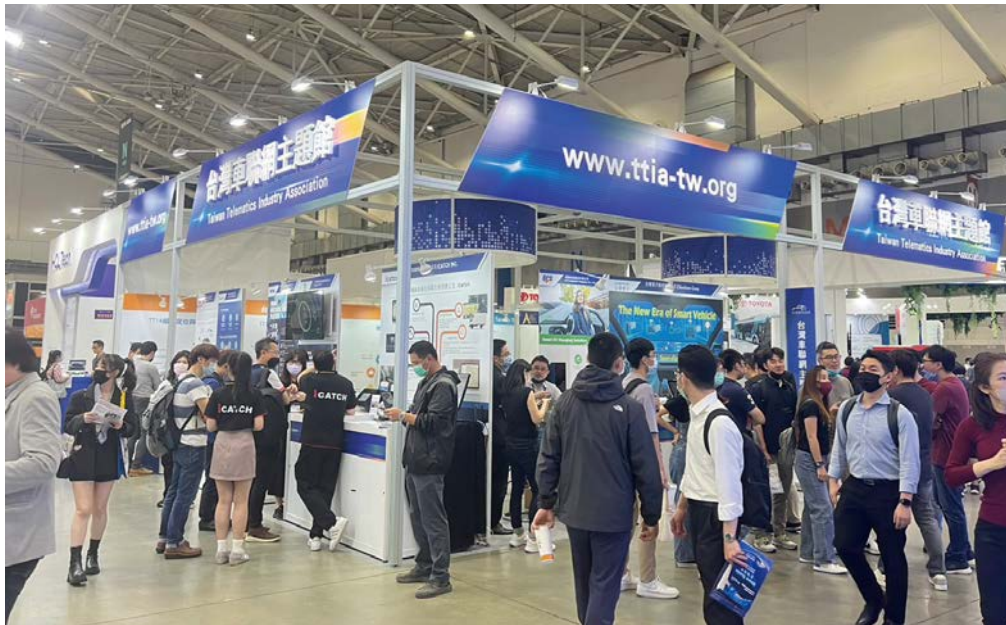
● 中文 ● 英文 ● 日文

■ 地點：台北南港展覽館 1 館

時間	活動內容	地點
4月17日 (星期三)		
14:10 - 15:10	● 【達人主題導覽】國際參觀者日文場	集合地點:1F, J 區 大會服務台
14:10 - 15:10	● 【達人主題導覽】國際參觀者英文場	集合地點:1F, J 區 Business Lounge
14:30 - 17:00	● 美國商機說明會	4F, 大會舞台
15:00 - 15:40	● 【永續同行講座】迎接永續時代: ESG的發展與趨勢	4F, ESG 專區
4月18日 (星期四)		
10:00 - 16:30	● 360° Mobility Forum	4F, 401 會議室
10:00 - 11:00	● 亮點產品發表會	4F, 大會舞台
10:30 - 11:10	● 【永續同行講座】車用電子暨零組件綠色管理發展趨勢	4F, ESG 專區
11:10 - 12:10	● 【達人主題導覽】Golden ESG Achievement 場	集合地點:1F, J 區 大會服務台
11:10 - 12:10	● 【達人主題導覽】國際參觀者日文場	集合地點:1F, J 區 大會服務台
13:00 - 14:00	● 【2024 Golden ESG Achievement】ESG 永續講堂	4F, 大會舞台
14:00 - 17:00	● 捷克-臺灣智慧移動產業研討暨交流會	5F, 504b 會議室

時間	活動內容	地點
14:10 - 15:10	● 【達人主題導覽】國際參觀者英文場	集合地點:1F, J 區 Business Lounge
15:00 - 17:00	● 亮點產品發表會	4F, 大會舞台
4月19日 (星期五)		
10:30 - 11:10	● 【永續同行講座】歐盟電池與廢電池法規框架介紹	4F, ESG 專區
11:10 - 12:10	● 【達人主題導覽】電動車生態系場	集合地點:1F, J 區 大會服務台
13:00 - 14:20	● 亮點產品發表會	4F, 大會舞台
14:10 - 15:10	● 【達人主題導覽】車輛安全產品及系統場	集合地點:1F, J 區 大會服務台
15:00 - 17:00	● X-Mobility PowerUp & MeetUp 新創發表暨交流活動	4F, 大會舞台
4月20日 (星期六)		
10:00 - 11:40	● 亮點產品發表會	4F, 大會舞台
11:10 - 12:10	● 【達人主題導覽】機車零配件 & 機車改裝工藝特展場	集合地點:1F, J 區 大會服務台
11:40 - 12:10	● 【達人講堂】電動車新趨勢: 亮點技術與未來發展—廖怡塵	4F, 大會舞台
13:20 - 14:00	● 亮點產品發表會	4F, 大會舞台

台灣車聯網產業協會整合跨領域技術 建構智慧協同運作 引爆車聯網產業商機



隨著後 5G 時代通訊技術發展及 AI 市場及電動車的發展等應用場域持續擴張，車聯網可望成為建構無所不在的物聯網應用 - 智

慧交通網路的明日之星，而台灣車聯網產業協會 (TTIA) 更是扮演推動此數位革命不可或缺的角色。

TTIA 整合 ICT、汽車電子、智能交通 (ITS) 與綠能等跨領域技術，帶動產業鏈發展，參與各公部門政策與法規的制訂，並成為重要推手；協會以服務會員與關聯廠商為主要宗旨，介接國際業者與組織，希望能促進國內外產業合作與促進商機。

2024 年台灣車聯網產業協會攜手與車聯網相關的產官學研等單位，齊聚「台灣車聯網主題館」，包含從圖資研究單位、無人機、導航地圖、光纖陀螺儀、衛星定位、智慧駕駛座艙以及資訊整合平台等領域。希望攜手車聯網產業上下游廠商及官方、學術單位，展示我國相關產業軟硬體實力及拓展商機。



台灣車聯網產業協會
www.ttia-tw.org

📍 L0305

主題館展出廠商及產品亮點介紹

■ 內政部國土測繪中心

e-GNSS 即時動態定位系統，提供即時性衛星動態定位服務、衛星觀測資料電子檔供應服務及衛星觀測資料後處理服務等，使用者只要在可以同時接收 5 顆衛星訊號的地方，都可以利用行動網路等無線上網方式使用定位服務，平均可在 30 秒的時間內，獲得約 2 公分平面定位精度之坐標成果。



■ 內政部地政司衛星測量中心

內政部自主研發慣性導航系統 - EGI-M370D，此產品專注於慣性導航系統軟硬體整合開發，硬體部份透過嵌入式硬體及無人機專用介面設計，提升機體穩定性及降低耗能；軟體部分通過時間同步和運動模型約制等演算法技術，提供高精度、高穩定性及低成本之慣性導航系統。

■ 研華股份有限公司

以智慧移動解決方案的領先供應商 - 研華科技，提供系統整合、軟硬體、以客戶為中心的設計服務和支援全球物流。擁有多年專業經驗的產品線，深耕產業以有效滿足各種行業需求，包括車載和堅固型電腦以及工業平板電腦。

■ 森泰儀器有限公司

NovAtel 臺灣總代理及官方授權維修中心 - 森泰儀器，總代理其 SPAN 慣性衛星定位系列產品，結合 GNSS+INS，提供精準、不間斷的位置、方位、方向、速度、姿態數據，是智慧駕駛、無人載具等最安全的設備及解決整合方案。

■ 公信電子股份有限公司

公信電子專注於電動車電子與電控系統技術研發，推出智慧駕駛座艙，包含車載資訊系統、數位儀表屏、視野輔助系統、智慧方向盤、車身控制器 (BCM)、電動平台控制器 (EPCU)、車輛低速警示系統 (AVAS)、電子式旋鈕排檔器等。



■ 國立成功大學 高精地圖研究發展中心

整合國內外技術和資訊，推動高精地圖圖資格式、建置流程和評估標準，促進產官學界合作，發展基於高精地圖之自駕車應用。2019 年起，高精地圖研究發展中心已產製實證運行場域之高精地圖超過 200 公里，相關圖資有助於自動駕駛技術發展及提升自駕車運行安全性。

■ 台灣是德科技股份有限公司

是德科技 SA8700A C-V2X 測試解決方案是一款能夠對 R14 或未來更新版本之 C-V2X 裝置執行功能驗證、協定量測和射頻量測的綜合測試解決方案。此解決方案以是德科技最新的 UXM 5G 平台和用於 GNSS 模擬的 MXG 為基礎精心打造。

■ 鼎漢國際工程顧問股份有限公司



智慧載具資訊整合平台蒐集無人載具沙盒實驗之車輛及感測設備資訊，並進行運行指標分析，透過平台的視覺化儀表板呈現，使用者可查看載具影像、行駛軌跡路線與大數據分析結果等，相關報表可提供主管機關進行完整紀錄。

■ 景傳光電股份有限公司

PX-IMU200P 光纖陀螺儀慣性量測元件，應用於移動物件之定位、姿態及感知方向變化。內建三軸光纖陀螺儀與加速規具高精度低雜訊體積小特點，適用於大地測量勘採、隧道施工、車輛、航空器和船舶精準定位。



■ 北辰科技股份有限公司

針對汽機車和貨車導航地圖的企業解決方案，北辰提供多樣物流運輸功能 APIs。如：地址轉經緯度 API：批次地址正規化並經緯度轉換；路徑 API：計算多點導航路徑和預計抵達時間；路順 API：考量收送貨和停留時間，自動排序送貨點；多重派遣 API：依里程、工時等條件分派任務，並傳送至車輛導航機。

■ 臺灣智駕測試實驗室

臺灣智駕測試實驗室是國內首座針對自駕車與零組件系統專用的測試展示場域，可進行車速 30 公里 / 時以下之交通情境測試，同時具有天候模擬系統，搭配符合測試規範之輔助設備，可規劃進行人車混流之交通情境測試。

■ 向成電子有限公司

向成電子致力於 GNSS/INS 定位產品、無人機飛行控制電腦以及通信應用系統產品的研發與生產。為客戶提供包括無人機飛行控制電腦、慣性導航系統和遠距離通訊系統在內的解決方案，以確保客戶的產品在技術創新和市場推廣方面保持領先。通過這些先進的產品和解決方案，實現產品的快速市場化，滿足不斷變化的市場需求。



電動巴士

成運汽車發表600hp直驅馬達與218kWh長途城際快充電巴

電動巴士的核心在於底盤，底盤的核心在於馬達。臺灣電動巴士製造商成運汽車，於本次智慧移動展正式發表自主研發的 600hp(450kW) 高功率直驅中央馬達，結合 20 多年的底盤與車體打造經驗，宣告臺灣在電動巴士產業的非凡實力。此馬達除了具備 600hp(450kW) 峰值功率，還同時具備 4,500N-m 峰值扭矩以及 98% 的峰值效率，各項規格皆對標全球一級馬達大廠，預計於今年下半年開始，陸續配置於成運自主研發的電動城際巴士，及運用於桃園機場第三航廈旅客運輸系統 (PMS) 之雙向自駕電動巴士，強大的動力輸出也將大幅提升載運能力與乘坐舒適度。



展覽現場同步展示搭載 218kWh 電池容量的長途城際型快充電巴，採用 LTO 鈦酸鋰電池，僅需 15 分鐘就能從 20% 電池電量



補充至 80%。此快充電巴即將展開「臺北 - 高雄」每日兩往返之壓力測試，每日累積行駛里程可達 1,400 公里以上，係全球電巴最佳續航表現，預計今年下半年開始投入量產。

成運汽車成立於 2003 年，至今已生產超過 7,500 輛巴士，行駛超過 60 億公里。旗下 350 輛電動巴士已於臺北、新北、臺中、彰化、嘉義、高雄、宜蘭等縣市運行。海外市場方面，目前已與巴拉圭、日本、新加坡等國家簽訂合作協議，可依雙方合作進程發展整車輸出、動力底盤輸出、零組件輸出或整廠輸出等服務。

成運汽車製造股份有限公司
www.mastertrans.com.tw



充電設備



建構永續大道 打造驅動未來的永續發展



台達成立於 1971 年，是全球電源和散熱管理解決方案供應商。作為電力電子與自動化為核心競爭力的節能解決方案提供者，台達的業務範疇包括電力電子、自動化、能源基礎設施與交通。

公司在今年建構“永續大道”展示智慧交通各項解決方案，包含 EV 充電、動力總成系統、風扇和散熱解決方案、微電網基礎設施，以及電動二輪動力系統。

台達 High Power 350kW 高功率電動車快充充電樁，能同時為兩台車充電，平均 15 分鐘可充約 250 公里里程所需電力，分離式設計有效減少佔地空間，適合城際運輸幹道、高速公路休息站使用。搭載 SiC 晶片，電源轉換效率達 97%，為業主省下電力成本，透過遠端監控，實現充電站最佳營運效益。

台達三合一電力電子系統集成是將車載充電機、高壓直流電轉換器與電動車通訊控制器…等，透過高度集成一體化設計解決方案，有效節省空間及成本、彈性調整系統集成內容，提升功率密度。

台達於 E-Mobility 展完整呈現智慧交通各項載具最新技術與應用，透過互動方式讓觀展者近距離體驗，打造符合微電網概念的電動車充電基礎設施解決方案，邁向永續發展智慧城市。

台達電子工業股份有限公司
www.deltaww.com

📍 L0618



馳諾瓦前瞻性科技 充電設備製造領先全球



馳諾瓦科技 (ZEROVA Technologies) 致力為全球提供多元充電樁解決方案，從符合家庭需求的小型交流充電器，到適用於企業和公共場所的超高速直流充電站，因應各場域推出帶有多媒體顯示功能的大螢幕充電樁和可擴展至電動車充電樁基礎設備的樞紐中心。

憑藉著強大的技術背景，馳諾瓦強化供應鏈，提供適用於不同場域、國家政策的客製化充電樁產品與服務，協助合作夥伴共同

布署電動載具市場在全球安裝了超過 100,000 個充電樁，為歐洲、美洲和亞洲的全球汽車製造商和石油與能源公司等客戶提供服務。此外，馳諾瓦致力於研發能夠與智能家居系統整合的智慧充電解決方案，透過遠端控制與即時數據分析，實現能源的最佳利用和管理。

馳諾瓦科技將在 2024 台灣國際智慧移動展中展示一系列創新

充電解決方案，展中將展出 DZ 480kW 電源主櫃可擴充搭配 4 至 12 台極小型分體式槍櫃以及 MCS Megawatt Charging System 百萬瓦充電系統。這些系統不僅展現了馳諾瓦科技在產品創新設計的優勢，同時也預示著公司對應未來各種商用情境的充電需求，包括但不限於重型載具車輛、電動船舶等。作為全球充電設備領導品牌的奠基者，馳諾瓦科技也是淨零排碳的先行者，致力於實現全球 ESG 淨零排碳的目標，並履行對環境、社會、以及永續的三重承諾。

馳諾瓦科技股份有限公司
www.zerovatech.com

📍 L0118



www.ksterminals.com.tw

L1212

健和興端子股份有限公司

健和興端子為住宅、工業和充電站 (EVSE) 場景設計並製造了完整系列的 AC/DC 充電連接器。CCS1 & CCS2 EV 充電連接器和插座 | IEC 62196-3，組合式充電系統 (CCS) 是電動汽車充電的標準，使用 Combo 1 和 2 連接器提供高達 200 千瓦的電力。這兩個連接器是 IEC 62196 Type1 和 Type 2 連接器的擴展，帶有兩個額外的直流 (DC) 觸點，可實現大功率直流快速充電。

汽車連接器必須結合耐用性、可靠性、性能並支持新興技術，易組裝、安裝於小巧輕便的外殼中。線對板插座外殼，單排，2/2/3/4/5 電路，適用於各種汽車電源連接應用，包括：冷氣機、LED 大燈 / 尾燈、齒輪 / 傳動桿、逆變器、方向盤、雨刮器 / 信號桿。



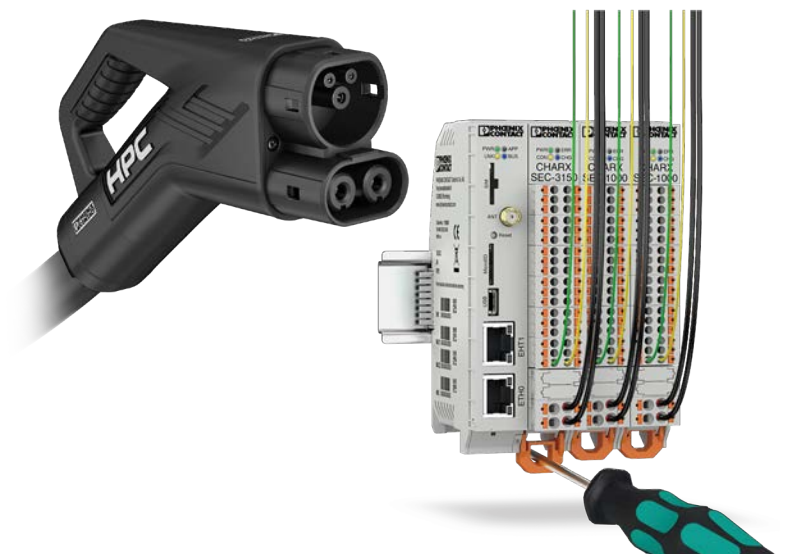
www.phoenixcontact.com.tw

L1102

菲尼克斯有限公司

自 2013 年成立以來，菲尼克斯電氣一直為電動車充電技術專家。擁有高達 600 多種產品，用於建立充電基礎設施和實現各種車輛的電氣化。此次展覽的亮點：DC 30kw 堆疊式電源模組，採標準化 19 寸以及 Push-Lock 和 T-LOX 快鎖技術，快速安裝。控制器支援單、雙槍模式，可獨立和分流充電。

此外，AC 充電樁組件可支援單相、三相充電樁，透過 OCPP 和後端整合，符合 ISO 15118 協議。另外，菲尼克斯的通用型車輛充電插座可支援 HPC 快充技術，功率超過 500 kW，顯著縮短充電時間。



電能驅動



太電投入電動載具與綠能產業關鍵模組研發有成

太平洋電線電纜迄今已成立 74 年，為因應全球市場趨勢及整合集團事業，近年積極轉型以有效整合線纜及動力系統事業群之產品和服務，提供從傳統電力基礎建設至電動載具及再生能源產業之各項解決方案，為集團事業開展突破性的發展。

隨著電動載具產業的發展，電動載具核心部件及相關充電和儲能設施的發展同樣重要。太電以線纜本業產品，延伸開發電動車馬達用髮夾式定子繞組 (Hairpin)、車用高壓線組、液冷式充電線纜及鈦液流儲能電池系統等。其中，髮夾式定子繞組應用於電動載具動力系統，相較於傳統圓線繞製方式可提升超過



20% 以上之功率密度，進一步達到佔槽率提升、電流負載提高、散熱改善與體積縮小等特性；車用高壓線組則因應功能日益多元的智慧車載系統而生，使電力傳輸更為穩定



且高效。在配套設施部分，液冷式充電線組具備輕量化及良好散熱能力等優勢，可滿足電動載具大功率直流快衝需求，結合鈦液流儲能電池系統高安全性、低維運成本的亮點，為整體電動載具生態系帶來更完善的產品服務及更安全的用電環境。

太平洋電線電纜股份有限公司
www.pewc.com.tw

L0810

士電綠巨能提供綠能全方位解決方案



士林電機成立於 1955 年，有電裝品、重電、機器、自動化 4 大事業群，具深厚卓越技術。電裝品事業群為國內外汽機車大廠 Tire1 供應商。除啟動馬達、發電機... 等產品外，因應電動化趨勢，投入電動車 Powertrain 研發十數年，除了供應臺灣與東南亞客戶外，目前也與歐美、日本客戶針對商用物流車、on-road、off-road... 等車型之動力系統合作開發中。

士林電機擁有客製化與系統整合核心技术，可依客戶需求提供客製化設計與開發方案 (ODM / OEM / JDM)，並藉由自行設計之動力系統調校介面可提供客戶整車動力與機能調校的最大彈性，提供輕量化、高出力、高效率之動力系統，10 kW 以下小功率產品系列齊備，20 ~ 50 kW 中功率具備高扭力特性，適用於電動重機、ATV... 等車

型，150 kW 大功率以 Hairpin 電機與碳化矽 (SiC) 控制器實現小型化與輕量化設計，除動力系統外，近期更發展 AC 慢充與 DC 快充等充電樁產品及智慧管理平台，拓展建案、公 / 民營場域商機，並連結機器及重電事業群各式高低壓開關、配電盤、變壓器並結合場域太陽能、風能等儲能方案，提供完整綠能全方位解決方案的客製化服務。

士林電機股份有限公司
www.seec.com.tw

📍 L0610



www.hdrenewables.com

📍 L0610

泓德能源科技股份有限公司



智慧能源領導品牌「泓德能源」旗下事業體涵蓋發電、儲能與售電三大領域，搭配 AI 管理系統，提供案場開發、維運管理到售電的一站式服務。業務範疇包含光充儲解決方案與充電站營運解決方案。

子公司「星舟快充」為全方位充電營運商，提供服務包含規劃及建置站點、經營專用充電站、開放加盟、銷售充電樁軟體解決方案，與打造光充儲整合專用站—此處可讓電車充電、讓人休憩，完備太陽光電、儲能與充電樁等設備，亦具有微電網功能。

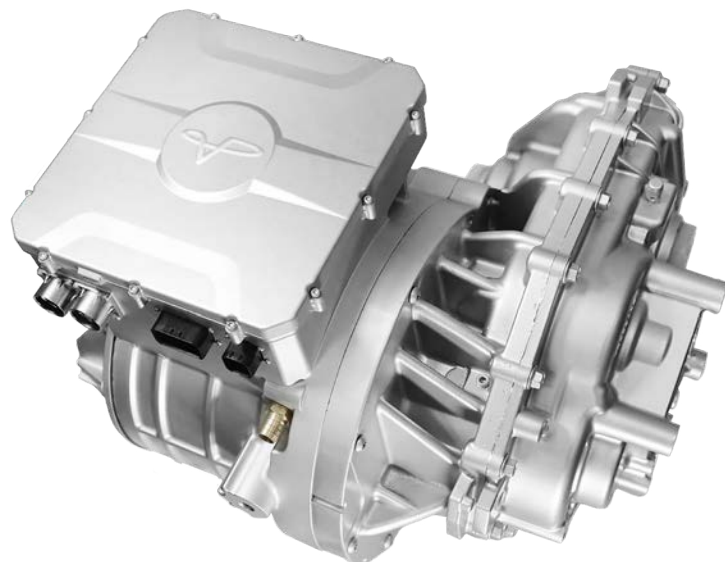
www.vastpower.co

📍 L0518

浩瀚動力股份有限公司

近年來浩瀚動力積極掌握設計研發能力與應用開發出符合市場需求及具競爭力之電動車三合一高度整合動力系統產品，是電動車動力系統設計開發的表現亮眼的生力軍。

其中，三合一 / 二合一 EV 動力系統，高度整合電機控制器、電機、齒輪箱，縮小體積、減少重量，提供高功率密度動力輸出。採用永磁扁線電機，提供廣域的高效率操作區域。功率模塊與電機共用液冷散熱系統，內藏式水道接口，降低水管路連接及維護工序。採用閉迴路控制演算法，透過位置感測器進行閉迴路控制，提供可靠及穩定的電機運作。符合 ISO26262 系統功能安全設計。



www.supreme.com.tw

L0318

至上電子股份有限公司



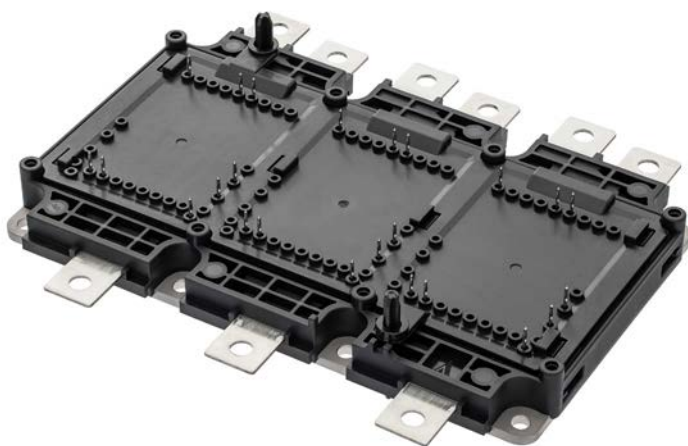
至上電子將馬達與控制器實現一體化機構設計，成為整合式水冷電驅動系統。在應用方面，相較於以往離散式系統，原先的機械與電子界面完美整合，機電整合佈局的複雜度大幅降低及節省空間，只需考慮引擎的電源線與散熱管線的配置與空間即可。

整合式電驅動系統與動儲能管理系統均採用模組化的設計概念，提供系統的延展控充性，以適用未來不同的客戶需求，電機可以依據需求之功率大小設計調整，控制器只需要更換動力元器件即可實現產品差異化。

www.actron.com.tw/tw

L0802

朋程科技股份有限公司



朋程科技自 1998 年成立，在燃油車發電機二極體市場佔有龍頭地位。隨著全球汽車產業朝向電動化發展，朋程亦憑藉堅實的研發團隊與開發技術能力積極投入開發新的元件，包括：碳化矽 (SiC) 功率模組、IGBT 功率模組、SiC MOSFET Discrete、SiC Diode Discrete、Si IGBT Discrete 以及功率元件晶圓等。此外，太陽能、儲能和伺服器等領域也需要高效率的功率元件來實現更優越的能源供應。

SiC MOSFET 1200V/400A 功率模組採用 6 合 1 整合式設計，並搭載最新化合物半導體 SiC MOSFET 功率晶片，提升各型 800V 電池系統之電動車 (xEVs) 與電動載具逆變器整體效能。輸出電流達 400A，對應至 250kW 馬達輸出，為次世代電動車功率元件首選模組。

www.gustech.com

L1312

格斯科技股份有限公司

格斯科技從材料出發，結合電芯研究、模組開發及製造的核心技術，提供系統性的解決方案。利用 LTO 材料優勢，研發高安全、快速充放電、大功率輸出及長壽命之電池。應用於無人載具、大眾運輸工具、軍用車、重型機械、船舶潛艦及各種嚴苛場域，包括日本國際知名大廠導入快速充放無人載具電池、加油站設置儲能系統以及將古董油車改裝電車等，擁有多項專利及實務經驗，結合產學合作，從電芯、模組到系統組裝，實現省油加速快，環保節能又減碳。

格斯科技「創"芯"不斷電，迎戰"芯"未來」



www.wahlee.com

L1012

華立企業股份有限公司

華立公司成立於 1968 年，以引進及發展前瞻材料、設備與技術，提供高附加值服務為使命，成立至今超過 50 年，持續配合臺灣產業發展，為客戶引進許多產業所需的先進材料與設備。

華立掌握科技的脈動，協助臺灣產業在轉型的過程中，扮演重要的推手，屢屢創造營運的高峰。現階段，在全球新能源車的浪潮下，積極致力於新能源車相關解決方案的推動，持續為臺灣創造電動車產業的榮景。

今後，華立本著誠信、熱忱、尊重、傳承、創新的理念服務。在客戶與供應商的鞭策與支持之下，能共同努力，攜手對社會創造更多的貢獻。



智能駕馭



www.ti.com

L0406

德州儀器工業股份有限公司



德州儀器將針對「汽車電氣化、ADAS、區域架構」等三大加速汽車產業變革的關鍵領域展出創新解決方案，例如車載充電器、車用感測、以及視覺處理等晶片與處理器。德州儀器提供在成本、運算能力、尺寸體積，以及安全性與穩定性等方面具備優勢的創新解決方案，協助支持汽車製造商最大化行駛里程、實現安全駕車體驗，以及軟體定義汽車等願景，進而加速產業邁向更智慧、更安全的未來。德州儀器臺灣業務總監陳介平也將於 360° Mobility Forum 上發表前瞻見解。



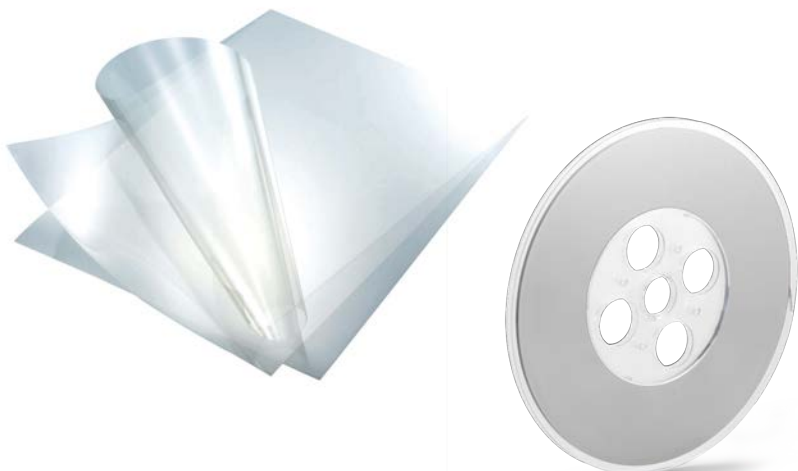
www.dexerials.jp/en

L0008

台灣迪睿合股份有限公司

在 2035 E-Mobility Taiwan 台灣國際智慧移動展，DEXERIALS 將帶來可用於車載顯示器及自動駕駛所需的感測應用相關產品，並提出產品的各種應用方案。包括適用於車載用平板顯示面板、平板電腦、筆記型電腦等防反射應用的「AR Film 抗反射膜」；以及可以抑制光反射並提高顯示器穿透率的「SVR 光學彈性樹脂」。

其他還有能幫助設備的更小更輕薄的「ACF 異方性導電膜」以及根據用途提供相應粘合功能的「SA 粘合劑」等。透過 DEXERIALS 智慧與卓越的獨創技術，機智靈活地解決客戶的需求和課題；每位員工將以誠心誠意、真摯誠信的態度創造超越客戶期望的價值。



www.clientron.com

L0510

公信電子股份有限公司

公信電子早期以汽車多媒體主機設計製造起家，非常熟悉汽車領域的結構與原理，可以快速進入電動車發展核心的電子電機技術研發。本次展會在電動商用車的技術成果展示裡，公信電子推出電動巴士智慧駕駛座艙平台，包括智駕平台資訊系統、整車智慧控制平台、智慧座艙中控主機、電動平台控制器、主從式車身控制器、視野輔助系統。

公信電子以數位化的方式將車上各種系統進行整合，如車輛設備（開關車門）、行車資訊（車速、轉速、檔位、電量、預警輔助系統等），透過科技化的智能運算以及簡約的產品外型設計，協助車廠縮短打造人性化的電動巴士智慧駕駛座艙時間。



www.advantech.com/en

L0305

研華股份有限公司

研華科技推出 TREK-60N 雙系統堅固人工智能平台，針對惡劣環境的人工智能，TREK-60N 具備雙系統，整合了 Intel® Core™ i7/Atom™ E3940 四核處理器，用於高性能計算，以及 NVIDIA® Jetson Orin™ NX 人工智能能力，最多可支援 4 個 POE 相機輸入通道，用於人工智能圖形計算。具有汽車級 FAKRA 連接器的 RF 擴展模塊提供 GNSS、WLAN、藍牙和 WWAN 功能，用於即時通信、車輛追蹤和數據收集。此外，繼承了 TREK 產品優異的堅固設計，支援廣泛的工作溫度範圍，符合 MIL-STD-810G 和 5M3 規格，具有抗震和抗撞，確保在惡劣環境中穩定運行。



智慧交通



www.carota.ai

L0501a

英屬開曼群島商科絡達股份有限公司
台灣分公司



Carota 科絡達擁有全球領先、專利支持的一站式 OTA (Over-The-Air) 空中升級技術。著眼於「軟體定義汽車」帶來的變革，科絡達在全球車聯網及物聯網的雲端服務裡，橫跨車輛原廠以及售後市場，類型涵蓋乘用四輪、商用貨卡、低速無人和摩托機車。是全球唯一對整車生命週期提供全方位覆蓋的雲端服務業者。服務包含多 ECU 的 OTA (遠端更新)、軟體訂閱、遠程診斷、OTA 測試設備，智慧影像車隊管理和智能座艙。全球超過 3.2 億台的智能設備、數百萬車輛、數千萬顆車用電子控制元件 (ECU) 等使用科絡達的服務。

www.bolysys.com

L0508

寶利通科技股份有限公司



寶利通科技已在智慧車隊管理系統領域深耕逾 10 年，在車機、訊號通訊盒、感測器領域成果豐碩，並擁有廣泛的 Domain Know-how 和技術基礎。2023 年建立完整智慧充電解決方案，落實智慧充電並解決電力功率、電價昂貴痛點。

為迎接電動車時代，透過寶利通 EMS 能源管理系統可進一步整合家 (商) 用儲能系統和光電太陽能系統，發揮削峰填谷、綠能自發自用、負載轉移等的優勢，同時提升充電服務與能源使用效率。

www.icatchinc.com

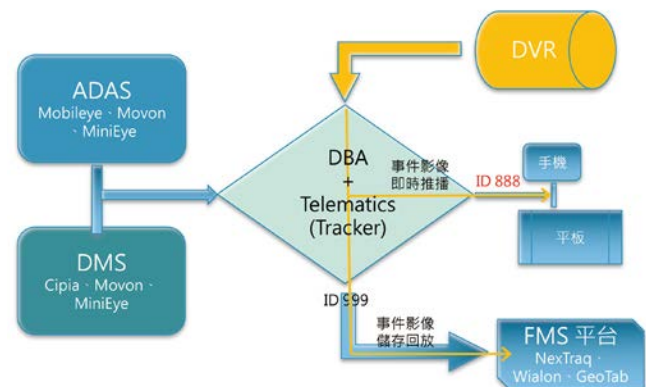
L0505a

可取國際股份有限公司

可取國際今年參展主題為 24/7 駕駛即時守護中心 - 化被動為主動，當感知危險駕駛行為，即時彈出 (Pop-Up) ADAS/DMS 事件影音，成為真相的提供者！

其概念是藉由 DBA (駕駛行為分析器)，「即時」將 ADAS 或 DMS 產生的事件警示 (例如車道偏移、未保持安全跟車距離等) 利用專利的演算法，推估可能的危險駕駛行為 (連續打瞌睡、逼車等)，於 24/7 駕駛即時守護中心、車隊管理平台或管理者手持裝置 (手機、平板) 彈出事件影像，讓中心監看者或車隊管理者得以「即時判斷」，是否需要介入 (電話聯繫) 該危險駕駛行為，以達到交通運輸「事故預防」的目的地！

DBA + GPS Tracker (Telematics)
化被動為主動



www.trans-iot.com

L0504

創星物聯科技股份有限公司

創星物聯科技是車聯網數據應用領導者。主要客戶是汽車保險業、運輸車隊業、車廠與電信公司等。以車端 IOT 設備『感測器』與『攝影機』所提供的『數據與影像』進行『機器學習或機器視覺』來辨識『行為與風險』，進而提供服務滿足客戶需求。公司致力打造全方位智慧保險生態系，整合車聯網及 AI，藉由數據分析、高效管理平台、預警系統和個人化保險，滿足人們移動多樣化需求，建立安心用車與安全駕駛的環境，以達成『讓人們移動的每一哩路，都有科技保險守護』的願景。



數位儀表



www.n4ai.com

L0302

田宜創智股份有限公司



車用電子系統變得越來越複雜，需要完整的螢幕呈現。田宜創智 100% 自行研發的 12.3 吋數位儀表採用 TFT-LCD 作為顯示螢幕，已受到國際知名車廠青睞。其具有更強大的圖形處理和顯示效果，提供豐富的人機介面設計，連接車輛網絡 (IoV)，使多媒體娛樂信息和車輛基本信息，都可以在駕駛過程中更快、更順暢、安全地提供給駕駛者。提升使用者的駕駛體驗，打造智慧化、網路連結的駕駛空間，衍生出不同的人機介面互動體驗趣味性。竭誠歡迎親臨公司展位 L0302 參觀指教。

www.acewell-meter.com

L0015

億昇電子有限公司

ACEWELL 全新的 ACE-81XXEC 系列，是一款能支援 CAN Bus 的 4.3 吋 TFT LCD 顯示器，具備多功能與高相容性，是專為電動摩托車、電動貨運車、電動人力車和輕型電動車 (LEV) 而設計。

ACE-81XXEC 有強大的協定支援，兼容 CAN Bus V2.0A 或 V2.0B 通訊協定，與多種不同的控制設備實現無縫整合；具有 8 個 LED 指示燈，包括一個雙色警告燈，可與 LCD 上的警告符號同步，強化警示效果，讓駕駛能立即注意系統異常，降低行車風險；此外，面板部分除了基本的速度與充電狀態圖形顯示外，還可以針對不同的客戶需求，半客製化顯示其他附加數據，呈現更具彈性與豐富的多元資訊，滿足不同車種在應用上的各種需求。



XMobility

新創廠商，大秀創新量能

ANJET

安傑特科技股份有限公司

L1322a

安傑特主要產品為碳化矽金氧半場效電晶體、碳化矽功率模組、氮化鎵功率元件，其中碳化矽金氧半場效電晶體，具高耐壓、低通道電阻、高溫穩定性、...等特色。



峻魁智慧股份有限公司

L1318c

eNeural 提供先進的嵌入式人工智慧設計工具、人工智慧應用模型和半導體矽智財產業設計，應用涵蓋智慧汽車、智慧製造、移動機器人和 AIoT。

KopherBir

科飛數位股份有限公司

L1417

KDP 的核心理念是協助客戶完成自家 ECU 開發，基於 KopherSAR 軟韌體和應用場景範本，加速開發流程，且提供初步的模擬測試環境，高效助攻完成 ECU 開發。



芝程科技有限公司

L1323b

芝程提供一整套射頻的測試方案及可程控的設備，提升客戶測試效率，包括具高精度定位功能及自動化測試的車用測試線材和 Fakra 連接器；車用測試探針除了高精度定位功能之外，還具高電流測試探針。



深志科技股份有限公司

L1417

ADAS 複合式行車記錄器及 DMS 複合式行車記錄器，產品可以任意選定凝視角度來虛擬無限數量的常規或魚眼相機，並實現具有視角精度的功能性影像。

PURISM EV

九十米股份有限公司

L1422b

PurismEV 節能控制系統，透過 AI 即時運算增加 40% 車輛行駛範圍。透過監控電池、行駛模式和油門訊號為 EV 車輛優化能源效率。

TGO

TGO

L1320b

TGO 將運用獨家的高分子傳感技術，展出壓力感測解決方案，可以簡單快速的部署在車輛的座椅、方向盤與內裝部件，運用全新的壓力偵測模組，無需電子元件，即可實現各種行車智慧科技。

UNIREAL

和實科技

和實科技有限公司

L1417c

創建一個連結廠商及客戶需求的平台，無論是想找的或想賣的，都可透過和實的服務，找到滿意的產品或銷售管道。對應產業：電池材料、廢棄物處理...等。

XMobility
PowerUp & MeetUp

新創發表暨交流活動

1館4樓大會舞台

2024.4.19 (五) | 15:00-17:00 |



P12 ▶ Cross Industry Alliance

P13 ▶ Exhibitor Highlights

P20 ▶ XMobility

2035 E-Mobility Taiwan Opens: Presenting The Future Mobility Ecosystem

Organized by the Taiwan External Trade Development Council (TAITRA), the 2035 E-Mobility Taiwan, running from April 17 to April 20, showcases smart and sustainable future mobility solutions to meet the global market demand.

The show brings together industry players in the smart and sustainable mobility value chain. Master Transportation showcases its long-distance EV coach bus. Companies such as ZEROVA, Shihlin Electric, Delta Electronics, Texas Instruments, Pacific Electric Wire & Cable, HD Renewable Energy, Supreme Electronics, Phoenix Contact and MSI exhibit EV batteries, motors, and charging systems. Moreover, Advantech, Clientron, Carota, Keysight and Trans-IoT display connected car technologies, such as car navigation, over-the-air (OTA) technology and fleet management. At the XMobility area, startup companies demonstrate cutting-edge AI innovations, demonstrating Taiwan's prowess in innovation.



Mr. James C.F. Huang, Chairman of TAITRA

The 360° Mobility Forum, being held on April 18, invites heavyweight global experts from Automobili Estrema, an Italian electric hypercar maker and the Czech Battery Cluster, as well as top EV and semiconductor companies including Delta, NXP, Texas Instruments, Sime Darby Kia Taiwan, and MobileDrive, to delve

into market trends, key energy sources, and smart innovations.

Visitors can also participate in a series of exciting activities during the exhibition. Visit the official website for more information.



Event Schedule

● Chinese ● English ● Japanese

■ Venue: TaiNEX 1

Time	Event	Venue
April 17 (WED.)		
14:10 - 15:10	● 【 Guided Tour】 International Visitors Japanese Session	Meeting Point: Information Counter, Area J, 1F
14:10 - 15:10	● 【 Guided Tour】 International Visitors English Session	Meeting Point: Business Lounge, Area J, 1F
14:30 - 17:00	● US Automotive Business Opportunities Seminar	Stage, Area L, 4F
15:00 - 15:40	● 【 ESG Talk】 Embracing the Sustainable Era: Development and Trends of ESG	ESG Pavilion, 4F
April 18 (THU.)		
10:00 - 16:30	● 360° Mobility Forum	Room 401, 4F
10:00 - 11:00	● Featured Product Launch	Stage, Area L, 4F
10:30 - 11:10	● 【 ESG Talk】 Green Management Trends in Automotive Electronics and Components	ESG Pavilion, 4F
11:10 - 12:10	● 【 Guided Tour】 Golden ESG Achievement	Meeting Point: Information Counter, Area J, 1F
11:10 - 12:10	● 【 Guided Tour】 International Visitors Japanese Session	Meeting Point: Information Counter, Area J, 1F
13:00 - 14:00	● 【 2024 Golden ESG Achievement】 ESG Sharing	Stage, Area L, 4F
14:00 - 17:00	● Czech Republic-Taiwan Automotive Opportunities Seminar	Room 504b, 5F

Time	Event	Venue
14:10 - 15:10	● 【 Guided Tour】 International Visitors English Session	Meeting Point: Business Lounge, Area J, 1F
15:00 - 17:00	● Featured Product Launch	Stage, Area L, 4F
April 19 (FRI.)		
10:30 - 11:10	● 【 ESG Talk】 Introduction to EU Battery and Waste Battery Regulatory Framework	ESG Pavilion, 4F
11:10 - 12:10	● 【 Guided Tour】 Electric Vehicle Ecosystem	Meeting Point: Information Counter, Area J, 1F
13:00 - 14:20	● Featured Product Launch	Stage, Area L, 4F
14:10 - 15:10	● 【 Guided Tour】 Automotive Safety Equipment & System	Meeting Point: Information Counter, Area J, 1F
15:00 - 17:00	● XMobility PowerUp & MeetUp-Startup Pitch and Networking	Stage, Area L, 4F
April 20 (SAT.)		
10:00 - 11:40	● Featured Product Launch	Stage, Area L, 4F
11:10 - 12:10	● 【 Guided Tour】 Motorcycle Parts & Accessories	Meeting Point: Information Counter, Area J, 1F
11:40 - 12:10	● 【 KOL Workshop】 Unveiling the Future: EV Trends & Innovations—Ellson Liao	Stage, Area L, 4F
13:20 - 14:00	● Featured Product Launch	Stage, Area L, 4F

TTIA Integrates Technologies to Ignite Telematics Industry Opportunities



With the rapid development of ICT and AI in the post-5G era, applications in fields like smart cities, the internet of things (IoT), autonomous driving technology and electric vehicles continue to expand. The field of telematics is expected to become the star of establishing universal IoT

applications and smart transportation networks. The Taiwan Telematics Industry Association (TTIA) plays an indispensable role in driving this digital revolution.

TTIA integrates technologies from ICT, automotive electronics, intelligent transportation

systems (ITS) and green energy. It facilitates the development of the industrial chain and partakes in formulating official policies, serving as an important advocate. The Association's primary purpose is to serve its members and affiliated companies and connect with international organizations. TTIA promotes cooperation between domestic and international industries and stimulates market opportunities.

In 2024, TTIA is cooperating with partners in government, industry and academia to organize the "Taiwan Telematics Pavilion." The pavilion presents library and information science research, drones, navigation maps, fiber-optic gyroscopes, satellite positioning, smart cabins, information integration platforms and more. By uniting governmental, industrial and academic partners up and down the industrial chain, TTIA hopes to present the strength of Taiwan's software and hardware and expand market opportunities.

TAIWAN TELEMATICS INDUSTRY ASSOCIATION (TTIA)
www.ttia-tw.org



📍 L0305

2024 Taiwan Telematics Industry Pavilion

■ ADVANTECH CO., LTD.

As a leading provider of smart mobile solutions, Advantech offers comprehensive system integration, hardware, software, personalized design services and global logistics support. It maintains mature product lines to satisfy diverse industrial requirements with in-depth vertical knowledge, including In-Vehicle & Rugged Computers and Industrial Tablets.

■ CENTURY INSTRUMENT CO., LTD.

Century Instrument is an authorized distributor and repair center of NovAtel in Taiwan. Its SPAN technology combines GNSS+INS, providing precise and uninterrupted data on position, orientation, direction, velocity and attitude. This technology plays a significant role in the development of unmanned vehicles and has many smart driving applications. Century provides the best products and solutions for the safest navigation system in the world.

■ CLIENTRON CORP.

Clientron specializes in automotive electronics and is known for its innovative smart e-cockpits. Designed for buses and vehicles, these include a Smart Control System, In-vehicle Infotainment System, Smart Meter Cluster System, Vision

Assistance System, Body Control Module, Electric Powertrain Control Unit, Acoustic Vehicle Alert System, Steering Wheel Control and E-shifter. Clientron will demonstrate an electric powertrain to illustrate its reliable system integration capabilities.



■ HIGH DEFINITION MAPS RESEARCH CENTER, NCKU

The Center integrates domestic and foreign technology and information to promote the format of HD maps and process of generation and standard assessment. Additionally, it promotes cooperation between industry, government and academia to develop applications of HD maps. Since 2019, more than 200 kilometers of HD maps have been produced. These relevant maps enhance the development and safety of autonomous vehicle technology.

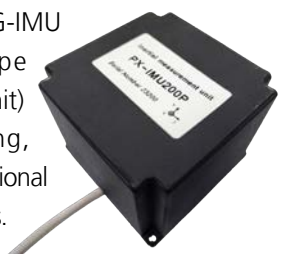
■ KEYSIGHT TECHNOLOGIES

The Keysight SA8700A C-V2X is a comprehensive test solution that enables functional, protocol and RF measurements

on R14 and future 5G NR C-V2X devices. The solution is based on Keysight's new UXM 5G platform and the MXG for GNSS emulation.

■ PIXON TECHNOLOGIES CORP.

The PX-IMU200P FOG-IMU (Fiber-Optic-Gyroscope Inertial Measurement Unit) is used for positioning, attitude and sensing directional changes of moving objects. The built-in three-axis fiber optic gyroscope and accelerometer are small, with high precision and low noise. It's suitable for geodetic surveying and mining, tunnel construction and precise positioning of vehicles, aircrafts and ships.



■ POLSTAR TECHNOLOGIES

Polstar offers the best solutions for fleet management with four web APIs:

- Geocode API: Normalizes address and converts it into coordinates.
- Direction API: Calculates the best routes and ETA.
- Sequence API: Optimizes the order of provided waypoints by fastest route, considering the arrival time and idle time.

- Multi-Dispatch API: According to designated conditions like mileage or working hours, optimally pairs drivers with ride and delivery tasks, then transmits it to the local navigator.

■ SATELLITE SURVEY CENTER, DEPARTMENT OF LAND ADMINISTRATION, MINISTRY OF THE INTERIOR, R.O.C. (TAIWAN)

The Ministry of the Interior independently developed the inertial navigation system EGI-M370D. The product systematically integrates software and hardware and utilizes embedded hardware design for the UAV interface to improve stability and reduce energy consumption. The system's firmware utilizes algorithmic techniques such as time synchronization and motion model constraint to provide an accurate, stable and low-cost inertial navigation system.

■ TAIWAN CAR LAB

Taiwan Car Lab is the first autonomous vehicle proving ground in Taiwan that encompasses the development of all vehicle and automobile components. It offers domestic and foreign industrial and research organizations opportunities to use the space, providing a

standard testing process, virtual simulation platform, dynamic traffic scenarios, internet of vehicles and cyber security testing techniques.

■ THE NATIONAL LAND SURVEYING AND MAPPING CENTER, MINISTRY OF THE INTERIOR, R.O.C. (TAIWAN)

The e-GNSS Real-Time Dynamic Positioning System provides positioning services, satellite observation data in electronic format and post-processing services for satellite observation data.

This service operates anywhere that can receive signals from 5 satellites, using 4G or 5G networks. The system obtains plane positioning results with an accuracy of about 2 centimeters within an average of 30 seconds.

■ THI CONSULTANTS INC.

The Operational Central Control Platform provides an interface for sensing vehicle



information in innovative experiments of unmanned vehicles technology. It also conducts operation analysis. Its data visualization dashboard displays the images, trajectory and big data of vehicles. It also provides complete records to the competent authorities.

■ XIANG CHENG ELECTRONIC CO., LTD.

XIANG CHENG Electronics is dedicated to the research and production of GNSS/INS positioning products, UAV flight control computers and communication application system products. XIANG CHENG provides customers with solutions like UAV flight control computers, inertial navigation systems and long-distance communication systems. Its products maintain a lead in technological innovation and market promotion. With these advanced products and solutions, it achieves rapid marketization of products to meet the ever-changing market demands.

Electric Bus

MASTER launches self-developed 600hp motor and 218kWh EV coach bus

The core of electric buses lies in the chassis, and the core of the chassis lies in the motor. Taiwanese electric bus manufacturer, Master Transportation Bus, officially unveiled its self-developed 600hp(450kW) high-power direct-drive central motor at this year's E-Mobility Expo. With over 20 years of experience in chassis and body manufacturing, Master proudly declares Taiwan's extraordinary strength in the electric bus industry.

This motor not only boasts a peak power of 600hp(450kW) but also features a peak torque of 4,500N-m and 98% peak efficiency, aligning with the specifications of leading motor manufacturers worldwide.

Scheduled to be implemented in Master's self-developed electric intercity coach buses this year, and the bi-directional self-driving buses in Taoyuan International

Airport Terminal 3 PMS (People Mover System) next year, this powerful motor output will significantly enhance both the carrying capacity and passenger comfort.

Concurrently showcased at the exhibition is the long-distance fast charging intercity coach bus, equipped with a 218kWh battery capacity utilizing LTO (Lithium Titanate Oxide) batteries. Requiring only a 15-minute recharge from SOC 20% to 80%. This bus will soon undergo daily round-trip stress testing between Taipei and

Kaohsiung, twice daily, accumulating over 1,400 kilometers of mileage per day, boasting the best range performance among electric buses globally. Mass production is expected to commence in the latter half of this year.

350 electric buses from Master have been put into operation all over Taiwan. Regarding overseas markets, cooperation agreements have been signed with countries including Paraguay, Japan, and Singapore. Depending on the progress of cooperation, services such as CBU export, SDA export, SKD export, or package plant export can be developed between the two parties.



MASTER
TRANSPORTATION BUS
MANUFACTURING LTD.
www.mastertrans.com.tw

📍 L0106

Smart Charging Solution

Building the Road to a Sustainable Future

Founded in 1971, Delta is a global provider of power and thermal management solutions. Our business categories include Power Electronics, Automation, Infrastructure and Mobility.

At this year's E-Mobility Taiwan, Delta is showcasing products and solutions for electric vehicles. With the theme "Driving to a Sustainable Future," it's exhibiting EV charging solutions, powertrain systems, fans and thermal solutions as well as micro-grid infrastructure.

Delta's High Power 350kW EV charger distributed system powers 2 EVs simultaneously in 15 minutes. Maximum 950V and 540A output with 350kW of high power, it offers the fastest charging time on the market, making it ideal for highway rest stops, traditional fuel stations and fleet charging. It features SiC chips for 97% efficiency, saving costs and enabling remote management for optimal station performance. The OBCM-DCDC-EVCC Integration includes a bi-directional



on-board charger, a high-voltage DC converter and an EVCC within one single unit solution. Through its highly integrated design solution, it effectively saves space and costs and increases its power density.



At 2025 E-Mobility Taiwan, Delta is integrating its broad spectrum of automotive solutions and powertrains for EVs and e-scooters. It is leveraging interactive showcase technology to fully demonstrate how Delta's IoT Smart Green Solutions are fostering e-mobility. Moreover, its microgrid-supported EV charging infrastructure, which can generate, store, save and deploy electricity, shows its commitment to nurturing smart cities for generations to come.

DELTA ELECTRONICS, INC.
www.deltaww.com

📍 L0618

Zevora's Advanced Technology Charges the World



Zevora Technologies designs and manufactures a complete line of electric vehicle (EV) charging equipment and supplies, including AC Level 2 and DC Level 3 systems. These cutting-edge charging solutions are used by leading brands across more than 40 countries. Zevora delivers high-quality and cost-effective equipment based on specific customer needs. Whether delivering white-

label products or engaging in collaborative design partnerships, Zevora collaborates with partners to align with their global channel strategies and ensure success.

Zevora is showcasing a series of charging solutions at the 2024 E-Mobility Taiwan exhibition. Its booth features the DZ 480kW power cabinet, which can

accommodate four to 12 extremely compact charging dispensers, and the MCS MegaWatt Charging System. Zevora's products are innovative and suitable for future commercial scenarios, including heavy-duty vehicles and electric boats. Zevora not only designs the most advanced charging equipment, but leads the way towards net-zero carbon emissions. Its ESG related practices and policies reflect a steadfast commitment to the environment, society and sustainability.

ZEROVA TECHNOLOGIES TAIWAN LIMITED
www.zerovatech.com

📍 L0118



www.ksterminals.com.tw

📍 L1212

K. S. TERMINALS INC.

K.S. TERMINALS designs and manufactures a complete range of AC/DC charging connectors for residential, industrial and charging station (EVSE) scenarios. The CCS1 & CCS2 EV Charging Connectors and Sockets | IEC 62196-3 are combined charging systems (CCS) standard for electric vehicle charging. They use combo 1 and 2 connectors to provide up to 200 kW of power. These two connectors are extensions of the IEC 62196 type 1 and 2 connectors with two additional direct current (DC) contacts, enabling high-power DC fast charging.

Automotive connectors must combine durability, reliability, performance and support for emerging technologies. They must be easy to assemble and install and have small, lightweight housings.

K.S. offers wire-to-board socket housing, single row and 2/2/3/4/5 circuits suitable for a variety of automotive power connection applications, including air conditioners, LED headlights/taillights, gear/drive rods, inverters, steering wheels and wiper/signal levers.



www.phoenixcontact.com.tw

📍 L1102

PHOENIX CONTACT CO., LTD.

Phoenix Contact are specialists in e-mobility charging technologies, with a portfolio of more than 600 products including both DC and AC charging piles. The standardized 19-inch 30 kW DC power module comes equipped with Push-Lock and T-LOX technology for rapid installation, and supports single and dual charging modes for independent and split charging. The AC Charging Station supports vehicle-to-grid communication in accordance with ISO 15118, is compatible with both single-phase and three-phase charging piles, and integrates with an OCPP backend. It comes equipped with a Phoenix universal charging inlet and HPC interface for charging at over 500 kW, significantly reducing charging time.

Electric Powertrain

PEWC Develops Key Solutions for EVs and Green Energy

PACIFIC ELECTRIC WIRE & CABLE CO. LTD. (PEWC), established for 74 years, has been actively transforming in recent years to integrate its products and services related to cables and power systems, in response to global market trends and the integration of group businesses. PEWC provides various solutions, including traditional power infrastructure, electric vehicles and renewable energy industries, aiming to achieve breakthrough for the group's business.

With the development of the EV industry, the development of core components and related charging and energy storage facilities for electric vehicles are equally important.



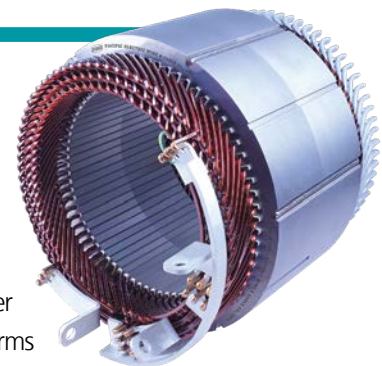
PEWC, leveraging its core cable products, has extended its development to include hairpin stator winding for EV motors, high voltage harness for electric vehicles, liquid cooling charging cable and vanadium redox flow battery system. Among these innovations, hairpin stator winding stands out for its ability to increase power density by more than 20% compared to traditional round wire winding method. This improvement results in enhanced slot utilization, increased current load capacity, improved heat dissipation, and reduced size. EV high voltage harness is designed to meet the increasingly diverse functions of smart vehicle systems, ensuring stable

and efficient power transmission. In terms of supporting facilities, liquid cooling charging cable has advantages such as lightweight design and excellent heat dissipation, meeting the high power DC fast charging needs of electric vehicles. Coupled with the high safety and low operational cost of the vanadium redox flow battery system, it brings more comprehensive product services and a safer electrical environment to the overall EV ecosystem.

PACIFIC ELECTRIC WIRE AND CABLE CO., LTD.

www.pewc.com.tw

📍 L0810



SEEC Provides Comprehensive Green Energy Solutions

Established in 1955, Shihlin Electric & Engineering Corporation (SEEC) has four business groups: Automobile Equipment, Heavy Electric, Breaker & Switchgear and Automation. The Automobile Equipment group serves as a Tier 1 supplier for domestic and foreign brands. Furthermore, SEEC has invested in EV powertrain research and development for over ten years. Not only does it supply clients in Taiwan and South-East Asia, but it is currently cooperating with American, European and Japanese clients to develop powertrain systems for commercial, on-road and off-road vehicles.

SEEC has the core technologies for customization and system integration. It offers customized design and development solutions (ODM/OEM/JDM). Its self-designed powertrain system has a tuning interface that provides maximum adjustability of the overall vehicle power and functionality. SEEC offers

lightweight, powerful and efficient powertrain systems. It has a complete series of low-power products under 10kW and mid-range power of 20-50kW with high torque, suitable for electric motorcycles, ATVs and other vehicles. High power systems use hairpin motors and silicon carbide (SiC) controllers with a compact and lightweight design.



SEEC has recently developed AC and DC EV chargers and smart management platforms, expanding business opportunities in construction and public/private venues. It also connects various high and low voltage switches, distribution panels and transformers, integrating them with on-site energy storage solutions such as solar and wind energy. This provides clients with customized services for comprehensive green energy solutions.

SHIHLIN ELECTRIC&ENGINEERING CORPORATION
www.seec.com.tw

📍 L0610



www.hdrenewables.com

📍 L0610

HD RENEWABLE ENERGY CO., LTD.



HDRE is a leading brand in the field of electricity generation, storage, and retail. The business's portfolio includes charging station operation and photovoltaic charging and storage solutions, while HDRE's AI-powered management systems provide a one-stop platform for everything from site development and maintenance to electricity sales.

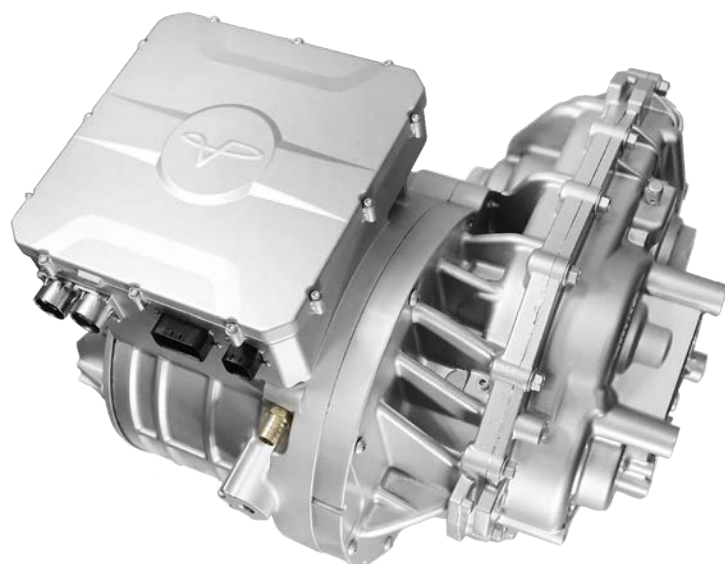
Star Charger Co., a subsidiary of HDRE, offers a complete suite of charging station services, including site planning and construction, station operation, franchise development and charging pile software and hardware sales. The company's integrated photovoltaic charging and storage stations are equipped with solar power generation, storage and charging pile capabilities as well as microgrid functionality, allowing clients to rest while their EVs charge.

www.vastpower.co

📍 L0518

Vast Power Corporation

The 3-in-1 / 2-in-1 EV powertrain has a highly integrated motor controller, motor and gearbox to reduce volume and weight, providing a high-power density output. Made with a flat copper wire, the permanent-magnet synchronous motor provides a wide and efficient operating area. The power module and the motor share a water-cooling system. Furthermore, the built-in water channel interface reduces the water pipeline connection and maintenance procedures. An algorithm and the position sensor are used for closed-loop control to provide reliable and stable motor operation. It complies with the ISO26262 system functional safety design.



www.supreme.com.tw

 L0318

SUPREME ELECTRONICS CO., LTD.



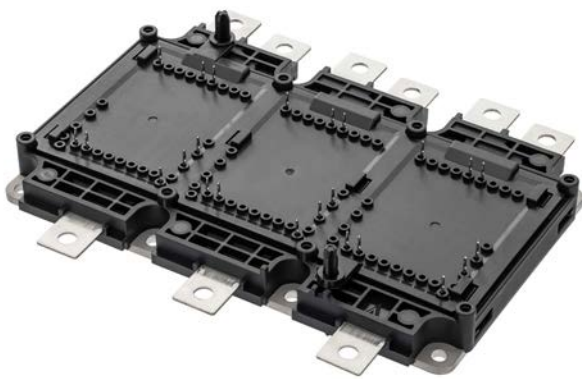
Supreme Electronics's water-cooled electric drive system consolidates both motor and controller into a single mechanism, allowing for the seamless integration of mechanical and electronic components as compared with older, separated systems. This considerably simplifies the electromechanical layout and saves space such that only the configuration of the engine power cord and heat pipe need be further taken into account.

The company's integrated electric drive system and dynamic storage management system both utilize a modular design, allowing charge control to be adjusted according to different clients' needs. Motor size and design can be adjusted according to the power required, and the controller is differentiated simply by replacing the power component.

www.actron.com.tw/tw

 L0802

ACTRON TECHNOLOGY CORPORATION



Founded in 1998, Actron Technology Corporation holds world's largest market share in automotive alternator diodes, exhibiting a range of high voltage power device for future energy transition. The lineup includes Silicon Carbide (SiC) power modules, IGBT power modules, SiC MOSFET Discrete, SiC Diode Discrete, Si IGBT Discrete, and power component wafers. As the world shifts toward energy efficiency and sustainability, Actron is committed to meeting diverse sector demands, especially in the growing market for SiC and IGBT power modules used in electric vehicles, solar energy, storage, and servers.

SiC MOSFET power module has a 6 in 1 topology design, applicable for xEV/e-mobility traction motor inverters operating with 800V battery systems. With a maximum current output at 400A and corresponding motor output 250kW. Making the module an optimal solution for electrified vehicles.

www.gustech.com

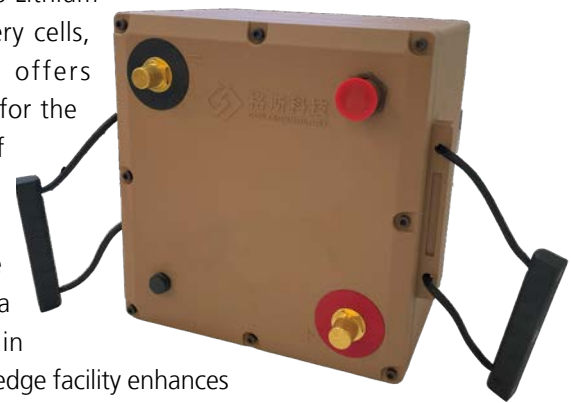
 L1312

GUS TECHNOLOGY CO., LTD.

GUS Technology designs and manufactures batteries for customers seeking a competitive edge. With a team of expert material scientists, the company specializes in designing batteries from foundational chemistry to commercial applications.

Best known for its Lithium Titanate (LTO) battery cells, GUS Technology offers batteries renowned for the enhanced features of safety, fast charging, and long lifespan.

A recent milestone is the installation of a 1 Gigawatt factory in Taiwan. This cutting-edge facility enhances production capabilities and represents a significant stride in advancing global sustainable energy solutions. With this new factory, GUS Technology is poised to meet the increasing demand for high-performance batteries while upholding its commitment to innovation and supply chain responsibility.



www.wahlee.com

 L1012

WAH LEE INDUSTRIAL CORP.

Wah Lee Industrial Corp. was founded in 1968 with a mission to develop and pioneer cutting-edge technologies, materials and equipment while delivering a high-value service, and has played a leading role in Taiwan's industrial development.

With a finger firmly on the pulse of technology, the company is constantly pushing performance to new highs. As a wave of new energy vehicles takes the global stage, the company is actively committed to promoting innovative solutions and building a prosperous future for Taiwan's electric vehicle industry.

Driven by the core values of integrity, enthusiasm, respect, consistency, and innovation, Wah Lee strives to work together with the encouragement and support of clients and suppliers to contribute more to society.



Smart Driving

www.ti.com

 L0406

TEXAS INSTRUMENTS INCORPORATED



TI will showcase innovative solutions in three key areas accelerating automotive industry transformation: "Vehicle Electrification," "ADAS," and "Zone Architecture." These include on-board chargers, processors, and mmWave radars. TI offers innovative solutions that excel in cost-effectiveness, computing, size, safety, and stability. These assist car makers in maximizing driving range, achieving safer driving experiences, and realizing the vision of software-defined vehicles, thus accelerating the industry toward a smarter and safer future. Jasper Chen, Sales Area Director at Texas Instruments, will present forward-looking insights at the 360° Mobility Forum.

www.dexerials.jp/en

 L0008

DEXERIALS TAIWAN CORPORATION

Dexerials is proud to present a range of products and solutions that can be deployed in the displays and sensors required by autonomous vehicles. These include an anti-reflective (AR) film suitable for use with flat-panel displays as well as tablets and notebook computers, an optical elastic resin (SVR) that reduces light reflection and improves display transmittance, an anisotropic conductive film (ACF) that can help to reduce the size and weight of devices, and adhesives adapted for a range of applications. Dexerials fosters a culture of responsibility and sincerity at every level of the company, so that every employee goes above and beyond to meet customer needs and deliver dynamic and skillful innovations in smart technology.



www.clientron.com

 L0510

CLIENTRON CORP.

Clientron started as a car multimedia head unit designer and manufacturer in the early days, so we understand the structure and principles of the Automotive field well. It helps us to integrate Electrical & Electronic technology which is the core of the development of electric vehicles. This exhibition showcases the technical achievements of electric commercial vehicles, Clientron will demo the smart e-cockpit of the electric bus, including Smart Meter Cluster System, Smart Control System, Smart e-Cockpit Central Control, Smart Virtual Onboard Unit, Electric Powertrain Control Unit, Body Control Module, and Vision Assistance System.

Clientron digitally integrates many systems, such as equipment of vehicle (doors open/close, lights on/off, etc. etc) and driving information (vehicle speed, RPM, gear position, battery voltage, vehicle alert system, etc.), through intelligent computing technology and slim outlook design, assisting vehicle manufacturers to create humanized smart e-cockpits for electric buses as quickly as possible.



www.advantech.com/en

 L0305

ADVANTECH CO., LTD.

Introducing the TREK-60N Dual-System Rugged AI platform. Aimed at AI for harsh environments, TREK-60N is a dual system that integrates the Intel® Core™ i7/Atom™ E3940 quad-core processor for high-performance computing and NVIDIA® Jetson Orin™ NX AI capabilities with up to 4x POE camera input channels for AI graphic computing. The RF extension module with an automotive-grade FAKRA connector provides GNSS, WLAN, Bluetooth and WWAN capabilities for real-time communication, vehicle tracking and data collection. Moreover, with TREK's excellent rugged design, this product operates at a wide range of temperatures and complies with MIL-STD-810G and 5M3 specifications. It has optimal vibration and shock resistance, ensuring stable operation in harsh environments.



Smart Transportation

www.carota.ai

L0501a

CAROTA CORPORATION

Carota has globally leading, patented OTA (Over-The-Air) technology. Focusing on the innovation of "Software-defined Vehicles", we span the cloud services of global connected car and IoT, covering vehicle manufacturers and the aftermarket, including passenger cars, commercial trucks, low-speed unmanned vehicles, and motorcycles. We are the only cloud service provider in the world to provide comprehensive coverage for the entire vehicle lifecycle. Services include OTA updates for multiple ECUs, software subscriptions, remote diagnostics, OTA testing equipment, intelligent imaging fleet management, and smart cockpits. Over 320 million smart devices, millions of vehicles, and tens of millions of in-vehicle electronic control units (ECUs) covered by Carota's service.



www.bolysys.com

L0508

BOLYSYS, INC.



Bolysys has more than ten years of experience in smart fleet management systems, and has built a record of achievement in the fields of vehicle displays, signaling and communication boxes, and sensors, all based on a broad foundation of strong technical knowledge. In 2023 the company launched a complete solution to implement smart charging and alleviate the burden of high electricity prices.

Meeting the needs of a new era of electric vehicles, Bolysys's energy management solutions integrate photovoltaic solar energy systems with household and commercial energy management systems, allowing them to take advantage of peak shaving and valley filling, green self-consumption, load shifting, and so on, while improving charge performance and energy efficiency.

www.icatchinc.com

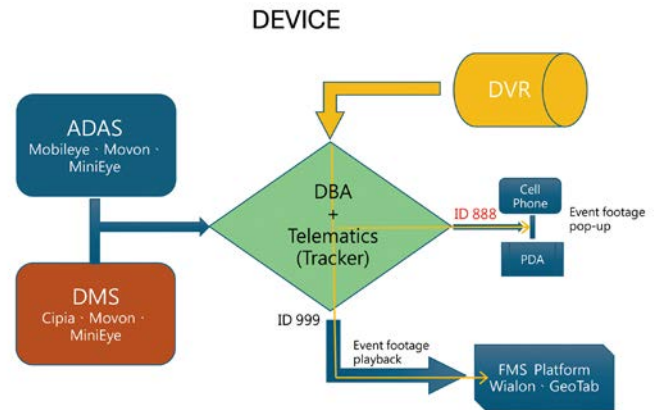
L0505a

ICATCH INC.

iCatch is proud to present the 24/7 Drivers' Live Guard Center, which instantly notifies fleet managers when dangerous driving is detected.

The system's Driving Behavior Analyzer utilizes ADAS and DMS to generate alerts in real time whenever dangerous behaviors such as lane deviation and failure to maintain a safe distance are detected. Patented algorithms recognize safety hazards, such as driver fatigue and tailgating, and send alerts to the 24/7 Drivers' Live Guard Center, the fleet management platform, or directly to the fleet manager's mobile device. The manager or supervisor can then immediately judge whether or not intervention is necessary to prevent an accident.

DBA Enables GPS Tracker(Telematics) becoming ACTIVE



www.trans-iot.com

L0504

TRANS-IoT TECHNOLOGY CO., LTD.

Trans-IoT is a leader in connected vehicle data applications, serving clients such as automotive insurance, transportation fleets, car manufacturers, and telecommunication companies. Utilizing IoT devices such as sensors and cameras mounted on vehicles, TRANS-IoT harnesses data and imagery for machine learning and computer vision to identify behaviors and risks. This enables Trans-IoT to provide services that meet clients' diverse needs.

TRANS-IoT is dedicated to building a comprehensive smart insurance ecosystem, integrating connected vehicle technology and AI. Through data analysis, an efficient management platform, early warning systems, and personalized insurance, TRANS-IoT aims to fulfill the varied mobility needs of people, ensuring a secure driving environment. Company's vision is to protect every mile of movement with our technology-backed insurance solutions.



Digital Dashboard



www.n4ai.com

L0302

N4AI INNOVATION CO., LTD.



Automotive electronic systems are becoming more and more complicated, requiring complete TFT LCD screen displays. N4AI-EGNAS developed a 12.3-inch digital instrument cluster that uses high-brightness TFT-LCD as the display screen. This digital instrument is favored by internationally renowned automobile manufacturers in Japan and American. It has more powerful graphics processing and display effects, provides a user-friendly interface and is connected to the internet of vehicles (IoV). This enables faster, smoother and safer displays of basic information about vehicles during driving as well as multimedia entertainment information. This product improves the user's driving experience, creates an intelligent, network-connected driving space and derives different interactive experiences. N4AI-EGNAS welcomes visitors to their booth L0302 at E-Mobility Taiwan.

www.acewell-meter.com

L0015

ACEWELL INTERNATIONAL CO., LTD.

ACEWELL's new ACE-81XXEC Series is a CAN Bus-compatible 4.3 inch TFT LCD display that has been specifically designed for use in e-motorcycles, e-cargos, e-rickshaws, and light electric vehicles.

The ACE-81XXEC features robust protocol support, with built-in CAN Bus V2.0A and V2.0B protocols for seamless integration with a range of control devices. The eight LED indicators, including a bi-color warning light, can be synchronized with the LCD to immediately draw attention to potential irregularities and reduce hazards while driving. The panel can be partially customized to display additional information according to each client's requirements, making it a versatile display suitable for application in various types of vehicle.



XMobility: Startups Showcasing the Power of Innovation

ANJET ANJET Corporation specializes in SiC MOSFETs, SiC Power Modules and GaN Power Devices. The company's SiC MOSFETs are characterized by their high voltage endurance, low channel resistance and high temperature stability, making them suitable for use in energy conversion systems, power converters for electric vehicles, motor drives and other similar applications. ▶ L1322a



The eNeural team has been deeply immersed in visual research for over a decade, where their successful development of self-learning AI models, streamlining of embedded AI models and core quantization tools, and employment of generative AI data techniques have enhanced model accuracy and reduced time to market. ▶ L1318c

KopherBir The KopherBit Development Platform assists clients as they complete their own ECU development. Based on

the KopherSAR firmware and application scenario templates, it accelerates the development process and provides a preliminary simulation testing environment to assist with efficient ECU development. ▶ L1417



Marvelous Microwave provides a complete set of RF testing solutions and program-controlled equipment for improving test efficiency, including Fakra adapters and automotive-testing cable assemblies with a high-precision positioning function and automated testing capabilities. ▶ L1323b



TGO launches new solutions using their polymer-based sensing technology at E-Mobility 2035. TGO demonstrates new solutions for low-cost pressure mapping that do not require traditional electronic components. This technology can easily be deployed in the vehicles of the future. Pressure mapping seats, steering wheels, or car interior interfaces – all is possible with TGO. ▶ L1320b



Perseverance's ADAS Omnidirectional Dash Cam and DMS Omnidirectional Dash Cam both utilize a camera with a fisheye lens. System safety is enhanced by a wider angle of view, capable of capturing the driver's view, views of the left and right sides, and the passenger seat. ▶ L1417

PURISM EV PurismEV provides solutions for a range of issues faced by EV fleets. The company can increase vehicle range by up to 40% and extend battery life by up to 130%, dramatically improving the cost efficiency associated with battery life. ▶ L1422b

UNIREAL UNIREAL was founded in 2021 | 和實科技 | with a mission to help clients source equipment and provide solutions that drive their businesses forward. The company's all-round business model bridges manufacturers and customers and encompasses materials, equipment and plant planning. By establishing clients' requirements and gathering suppliers, UNIREAL is developing partnerships in various industries including battery materials and waste disposal. ▶ L1417c