

經濟部



The 19th Business Startup Award

第19屆新創事業獎

得獎專輯

第19屆

新創事業獎 得獎專輯

The 19th Business Startup Award

主辦單位



經濟部

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承辦單位



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執行單位



中華民國全國中小企業總會

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中華民國109年11月

廣告



部長序 Foreword by Minister

“新創競爭力 國際看得見”

Innovative Competitiveness for the World to See



瑞士洛桑管理學院 (IMD) 最新公布的 2020 年世界競爭力報告，臺灣創 2016 年以來最佳成績，名列全球 63 個經濟體第 11 名，較去年大幅上升 5 名，在亞太國家中位居第 3 名。

其中 IMD 評比項目中，與新創最具相關的企業效能指標「企業反應快、彈性大」排名高居全球之冠，「企業機警於市場狀況變化」、「對商機與威脅反應迅速」等項目也獲得全球排名第 2 名的好成績，展現出臺灣企業家的活力與競爭力，表現備受國際肯定。

本部因應經濟新情勢及產業發展，推動臺灣產業創新、拓展經貿布局及資源永續管理，創造有利經濟成長及企業永續經營發展的環境。109 年度以「打造臺灣經濟發展新模式，推動產業轉型、升級與創新」為整體發展願景，使臺灣產業在全球市場競爭下轉型突圍並接軌國際。

本部中小企業處自 91 年起舉辦新創事業獎選拔活動，迄今已邁入第 19 屆；回顧歷屆獲獎的 256 家企業中，曾經創櫃、公開發行、興櫃或上市上櫃已累積 26 家；也有 54 家已獲創投及企業投資；更有 10 家受中大型企業青睞併購。此外，陸續有 4 家企業獲得國家磐石獎、33 家企業獲得創新研究獎及 7 家企業獲得小巨人獎，均展現獲獎企業優質的競爭實力且獲得市場高度肯定。

今年 16 家獲獎企業中，人工智慧、大數據及物聯網等相關應用企業即占半數，展現出近年新創趨勢朝向 AI 及 IoT 等應用發展，並從製造生產運用面擴大到生活應用層面。

例如科技產業組「台灣百應生物科技股份有限公司」運用以生物材料開發出來的氣體感測器，可以針對空氣中的化學物質進行生物感測，應用於各種產業，例如咖啡烘焙業控管食品飲料的氣味品質。知識服務業組「耀主科技股份有限公司」打造全球第一個「智能外掛式瓦斯爐自動關閉裝置」，透過定時自動關閉瓦斯、提醒呼叫等功能，減少火災發生的風險，並結合雲端數據及遠端操控服務監控家用電器，將 AIoT 運用延伸到家庭生活領域。

期望今年度 16 家獲獎企業持續成長茁壯成為創業典範，帶領臺灣創業家邁向卓越，亦期盼國內企業能與新創事業攜手合作，創造產業效益，共同帶動創新創業精神，邁向國際，成為臺灣之光。

經濟部部長 王美花 謹識
2020 年 11 月 17 日

In the International Institute for Management Development's 2020 World Competitiveness Yearbook, Taiwan ranked 11th among 63 economies surveyed around the globe and 3rd in Asia. Taiwan reaches its highest ranking since 2016 and marked an improvement of 5 places over last year.

Taiwan also performed well in various individual categories. For example, in terms of "business efficiency", Taiwan earned the top ranking regarding "agility of companies" criterion and a second place regarding both criteria of "changing market conditions" and "opportunity and threats" respectively. This demonstrates that the vitality and competitiveness of Taiwan's entrepreneurs has been recognized by the rest of the world.

In response to the latest economic and industry situation, the Ministry of Economic Affairs has been promoting industrial innovation, deployment and sustainable resources management in order to build an environment fostering economic growth and sustainable business development. Our vision is "building a new model of development for Taiwan's economy through industrial transformation, upgrading and innovation" to enable Taiwan industry to connect with and thrive in the competitive global market.

The Small and Medium Enterprise Administration has been holding the annual Business Startup Awards since 2002. Among the 256 award-winning enterprises over the years, 26 have become exchange-listed or OTC-listed companies or have successfully registered on the Go Incubation Board for Startup and Acceleration Firms (GISA), 54 have received investment from venture capital or enterprises, and 10 have been merged with mid- or large-scale companies. In addition, 4 of the enterprises have won the

National Award of Outstanding SMEs, 33 have won the Taiwan SMEs Innovation Award, and 7 have received the Rising Star Award. All of these illustrate the exceptional competitiveness of these enterprises and the market recognition they have earned.

Among this year's 16 Business Startup Award winning enterprises, nearly half are focused on artificial intelligence, big data and/or Internet of Things (IoT) applications, indicating the growing prominence of these emerging technologies.

For instance, Calyx Biotech Inc. won the award in the technology category for developing a gas sensor from biomaterial that can detect chemical substances in the air. The sensor can be used in a wide range of sectors, such as a cafe or a bakery to control against odors affecting food and beverage products. Meanwhile, in the knowledge-based services category, Yztek Co. Ltd. was selected a winner for developing the world's first smart auto-off add-on device for gas stoves. The device features reminder alert, timed automatic shutdown and other functions that help to reduce the risk of fires. It also combines cloud data and remote control functions for monitoring home appliances and is an excellent example of how AIoT technology can be applied in our everyday lives.

I extend my warmest congratulations to all 16 winners of this year's Business Startup Awards for their exemplary achievements. It is my hope that each of these outstanding enterprises will serve as models that inspire many others to tap into their own creative energy and boldly pursue their business dreams, thus helping to further boost Taiwan's global reputation as a leading center of innovation and entrepreneurial excellence.

Wang Mei-hua

Ministry of Economic Affairs
November 17th 2020

歷屆回顧 Review

屆數	2002 第一屆	第二屆 -2003	第三屆 -2004
報名家數	184	118	138
得獎廠商	金質獎 群聯電子股份有限公司 銀質獎 熱映光電股份有限公司 優質獎 利基網路股份有限公司 金鼎聯合科技纖維股份有限公司 磐宸國際實業股份有限公司 優選獎 台灣微脂體股份有限公 思達科技股份有限公司 眾智國際股份有限公司 逸奇科技股份有限公司 電視豆股份有限公司	金質獎 奇景光電股份有限公司 銀質獎 國際直線科技股份有限公司 優質獎 源星科技股份有限公司 迅杰科技股份有限公司 加特福生物科技股份有限公司 優選獎 沛錦科技股份有限公司 其樂達科技股份有限公司 先進國際醫藥奈米技術股份有限公司 廣積科技股份有限公司 洋弗米實業股份有限公司	科技產業組 金質獎 - 威奈聯合科技股份有限公司 銀質獎 - 全鑫材料股份有限公司 優質獎 - 玉山精密塗佈股份有限公司 傳統產業組 金質獎 - 康泉生物科技股份有限公司 銀質獎 - 府城館生物科技事業有限公司 優質獎 - 全通用股份有限公司 知識服務業組 金質獎 - 聚鍋餐飲股份有限公司 銀質獎 - 寬廣科技股份有限公司 優質獎 - 麗諾國際有限公司 微型企業組 金質獎 - 雅樂國際事業有限公司 銀質獎 - 台灣招東股份有限公司 優質獎 - 洄瀾薯道
屆數	第四屆 -2005	第五屆 -2006	第六屆 -2007
報名家數	143	101	105
得獎廠商	科技產業組 金質獎 - 禾富熱導股份有限公司 銀質獎 - 中華龍網股份有限公司 優質獎 - 映佳科技股份有限公司 傳統產業組 金質獎 - 薰衣草森林股份有限公司 銀質獎 - 亞印文件科技股份有限公司 優質獎 - 喜富陞搬家股份有限公司 知識服務業組 金質獎 - 異數宣言股份有限公司 銀質獎 - 博格科技股份有限公司 優質獎 - 無名小站股份有限公司 微型企業組 金質獎 - 創識科技股份有限公司 銀質獎 - 迎光生物技術有限公司 優質獎 - 崙洵企業有限公司 營運模式特別獎 台灣派對商店股份有限公司 紫軾數位決策科技股份有限公司	科技產業組 金質獎 - 瑞頻科技股份有限公司 銀質獎 - 阿碼科技股份有限公司 優質獎 - 特佳光電股份有限公司 傳統產業組 金質獎 - 台漵控制工程股份有限公司 銀質獎 - 統欣生物科技股份有限公司 優質獎 - 摩爾國際事業有限公司 知識服務業組 金質獎 - 皇家人力資源管理股份有限公司 銀質獎 - 巴巴坑道 優質獎 - 競技國際股份有限公司 微型企業組 金質獎 - 科翰科技有限公司 銀質獎 - 天賴園民宿 優質獎 - 管家服務有限公司	科技產業組 金質獎 - 晶翔微系統股份有限公司 銀質獎 - 探矽光電科技股份有限公司 優質獎 - 昱程科技股份有限公司 傳統產業組 金質獎 - 易洗網數位股份有限公司 銀質獎 - 紫金堂股份有限公司 優質獎 - 柿外桃園有限公司 知識服務業組 金質獎 - 達摩媒體股份有限公司 銀質獎 - 魔法氣球國際有限公司 優質獎 - 寶麗安生理事業有限公司 微型企業組 金質獎 - 協立光電股份有限公司 銀質獎 - 袖珍盒子有限公司 優質獎 - 世宇興大企業有限公司
屆數	第七屆 -2008	第八屆 -2009	第九屆 -2010
報名家數	117	106	126
得獎廠商	科技產業組 金質獎 - 海立爾股份有限公司 銀質獎 - 活源生物科技股份有限公司 優質獎 - 世基生物醫學股份有限公司 傳統產業組 金質獎 - 阿原工作室有限公司 銀質獎 - 環球奈米科技股份有限公司 優質獎 - 中正肉舖 知識服務業組 金質獎 - 英屬維京群島商極佳媒體有限公司台灣分公司 銀質獎 - 政龍文教科技有限公司 優質獎 - 金石國際資訊股份有限公司 微型企業組 金質獎 - 正暘科技股份有限公司 銀質獎 - 極趣科技股份有限公司 優質獎 - 水鳳凰設計有限公司	科技利基產業組 金質獎 - 肯瑪動力有限公司 銀質獎 - 芽堡生技股份有限公司 優質獎 - 億霸科技股份有限公司 創新傳統產業組 金質獎 - 蜜蜂故事館股份有限公司 銀質獎 - 泉利米香食品有限公司 優質獎 - 宅修生活國際股份有限公司 策略知識服務組 金質獎 - 渥奇數位資訊股份有限公司 銀質獎 - 坑修企業社 優質獎 - 美商英瑞其全球生技股份有限公司 微型企業組 金質獎 - 鑾璧數位有限公司 銀質獎 - 生態綠商業有限公司 優質獎 - 蜜寶貝蜜蜂農場行	科技利基產業組 金質獎 - 原力精密儀器股份有限公司 銀質獎 - 威旺生醫科技股份有限公司 優質獎 - 瓊司柏電子股份有限公司 創新傳統產業組 金質獎 - 銘宇興業有限公司 銀質獎 - 鋒耀精密股份有限公司 優質獎 - 禾掌屋商社有限公司 策略知識服務組 金質獎 - 爻域互動科技設計股份有限公司 銀質獎 - 比特數位股份有限公司 優質獎 - 阿之寶手創館 微型企業組 金質獎 - 益及實業有限公司 銀質獎 - 殺價王股份有限公司 優質獎 - 中國藍有限公司

屆數	第十屆 -2011	第十一屆 -2012	第十二屆 -2013
報名家數	122	148	127
得獎廠商	科技利基產業組 金質獎 - 創源生物科技股份有限公司 銀質獎 - 明晶光電科技股份有限公司 優質獎 - 迪吉亞節能科技股份有限公司 創新傳統產業組 金質獎 - 華捷商務航空股份有限公司 銀質獎 - 展邑科技有限公司 優質獎 - 環保之家生物科技股份有限公司 策略知識服務組 金質獎 - 騎士堡國際事業有限公司 銀質獎 - 金品食品企業有限公司 優質獎 - 器研所有限公司 微型企業組 金質獎 - 奎貝克有限公司 銀質獎 - 文保科技工作室 優質獎 - 香樹拾染巧克方工坊	科技利基產業組 金質獎 - 玉豐海洋科儀股份有限公司 銀質獎 - 晉弘科技股份有限公司 優質獎 - 盟基生醫股份有限公司 創新傳統產業組 金質獎 - 十藝生技股份有限公司 銀質獎 - 緯士登科技股份有限公司 優質獎 - 東藻生技股份有限公司 策略知識服務組 金質獎 - 奇多比行動軟體股份有限公司 銀質獎 - 宇萌數位科技股份有限公司 優質獎 - 哈堡堡輕食早午餐有限公司 微型企業組 金質獎 - 林果良品有限公司 銀質獎 - 樂灣國際股份有限公司 優質獎 - 吶喊文創股份有限公司	科技利基產業組 金質獎 - 泰合生技藥品股份有限公司 銀質獎 - 易宏生物科技股份有限公司 優質獎 - 給奇創造股份有限公司 創新傳統產業組 金質獎 - 建信資源科技有限公司 銀質獎 - 金嘉隆企業有限公司 優質獎 - 周老爸食品有限公司 策略知識服務組 金質獎 - 紅門互動股份有限公司 銀質獎 - 狠主流多媒體有限公司 優質獎 - 歐米爾網路科技股份有限公司 微型企業組 金質獎 - 悅聲志業股份有限公司 銀質獎 - 安可爾科技有限公司 優質獎 - 文誠蜂蜜有限公司
屆數	第十三屆 -2014	第十四屆 -2015	第十五屆 -2016
報名家數	110	147	210
得獎廠商	科技產業組 金質獎 - 明達醫學科技股份有限公司 銀質獎 - 天空科技股份有限公司 優質獎 - 原創生醫股份有限公司 傳統產業組 金質獎 - 理想家室內裝修有限公司 銀質獎 - 綠金王生技股份有限公司 優質獎 - 食安生技股份有限公司 知識服務業組 金質獎 - 大默企業有限公司 銀質獎 - 十三行互動有限公司 優質獎 - 耀麒科技股份有限公司 微型企業組 金質獎 - 金期品有限公司 銀質獎 - 里米斯科技股份有限公司 優質獎 - 花生驪有限公司	科技產業組 金質獎 - 東方光能股份有限公司 銀質獎 - 精專生醫股份有限公司 優質獎 - 鴻明環保科技股份有限公司 傳統產業組 金質獎 - 光宇材料股份有限公司 銀質獎 - 幸福新生活有限公司 優質獎 - 起士公爵有限公司 知識服務業組 金質獎 - 寶利拾股份有限公司 銀質獎 - 愛卡拉互動媒體股份有限公司 優質獎 - 社企流股份有限公司 微型企業組 金質獎 - 鳴周科技股份有限公司 銀質獎 - 天下奇冰冰店 優質獎 - 台灣尼德有限公司	科技產業組 金質獎 - 台灣艾特維股份有限公司 銀質獎 - 宏威鎬科技股份有限公司 優質獎 - 得心股份有限公司 傳統產業組 金質獎 - 拓華生技股份有限公司 銀質獎 - 瑞德感知科技股份有限公司 優質獎 - 森田生醫股份有限公司 知識服務業組 金質獎 - 貝殼放大股份有限公司 銀質獎 - 上尚文化企業有限公司 優質獎 - 積躍股份有限公司 微型企業組 金質獎 - 台灣恩寧股份有限公司 銀質獎 - 毛毛蟲創意行銷有限公司 優質獎 - 愛綠淨生技股份有限公司
屆數	第十六屆 -2017	第十七屆 -2018	第十八屆 -2019
報名家數	203	181	240
得獎廠商	科技產業組 金質獎 - 強普生技股份有限公司 金質獎 - 速博思股份有限公司 金質獎 - 品祈生技股份有限公 傳統產業組 金質獎 - 明日逸品股份有限公司 金質獎 - 品創科技製造股份有限公司 知識服務業組 金質獎 - 众社企股份有限公司 金質獎 - 有理百物股份有限公司 金質獎 - 電獺股份有限公司 金質獎 - 點子行動科技股份有限公司 微型企業組 金質獎 - 加點創意股份有限公司 金質獎 - 百二歲國際開發有限公司 金質獎 - 展綠科技股份有限公司 金質獎 - 銘宇室內裝修設計有限公司 創業女傑 特別獎 - 食藝餐飲有限公司 熟齡創業 特別獎 - 小綠草股份有限公司 評審特別獎 特別獎 - 緯育股份有限公司	科技產業組 金質獎 - 宇康生科股份有限公司 金質獎 - 漢穎科技股份有限公司 金質獎 - 正瀚生技股份有限公司 傳統產業組 金質獎 - 慕渴股份有限公司 金質獎 - 泛科知識股份有限公司 知識服務業組 金質獎 - 威許移動股份有限公司 金質獎 - 威捷生物醫學股份有限公司 金質獎 - 豐趣科技股份有限公司 金質獎 - 沃畝股份有限公司 微型企業組 金質獎 - 佛司特金屬有限公司 金質獎 - 來而康醫療器材有限公司 金質獎 - 英霸聲學科技股份有限公司 金質獎 - 莫仔有限公司 評審特別獎 特別獎 - 維致生醫科技股份有限公司 特別獎 - 台灣安麗莎醫療器材科技股份有限公司 特別獎 - 大數據股份有限公司	科技產業組 金質獎 - 艾陽科技股份有限公司 金質獎 - 雲象科技股份有限公司 傳統產業組 金質獎 - 二方企業股份有限公司 金質獎 - 臺灣比爾文化股份有限公司 知識服務業組 金質獎 - 香港商科科串流股份有限公司 金質獎 - 偉薩科技有限公司 金質獎 - 智齡科技股份有限公司 金質獎 - 蓬勃國際運動事業股份有限公司 微型企業組 金質獎 - 他群股份有限公司 金質獎 - 艾谷思享創股份有限公司 金質獎 - 晨菱生技股份有限公司 金質獎 - 開啟基因股份有限公司 金質獎 - 業安科技股份有限公司 評審特別獎 特別獎 - 禾餘麥酒股份有限公司 特別獎 - 森思股份有限公司 特別獎 - 稜研科技股份有限公司

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科技產業組
金質獎

炳碩生醫股份有限公司



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傳真 (03) 667-0829
公司網址 <http://www.pointroboticsinc.com>
成立日期 2016 年 7 月 28 日
營業項目 智慧型脊椎微創手術機器人輔助系統。手術機器人系統，針對脊椎手術進行安全、精準的手術規劃與輔助醫師進行更快速、準確的整體手術服務。
資本額 NT\$224,780,000

骨科達文西：數位醫療、安全、精準、微創

炳碩生醫創立於 2016 年 7 月，創辦宗旨為關懷健康、開發優質醫療產品與打造無輻射手術環境。憑藉臺灣在醫療及技術開發之優勢，並結合機電、資訊、控制以及臨床醫師組成之專業研發團隊，將其研發技術應用於具高風險之脊椎微創手術，專注於骨科手術相關之手術方案，向世界高階手術機器人市場發出挑戰。



因應 IT 生活型態及老年化影響 迎接數千億美元醫療需求

炳碩生醫團隊結合多領域人才，憑藉臺灣在醫療、精密機器、電控及軟體開發等基礎工業優勢，鏈接醫療及工程技術，依據臨床迫切需求開發創新應用，研發內容含脊椎手術規劃、導航軟體及機器人輔助平臺，整合為一套完整脊椎微創手術機器人輔助方案。可執行微創植釘融合手術，亦開發適用於減壓手術及其他相關應用，希冀提升手術過程之安全性、準確性、降低輻射暴露、簡化流程，達成病人與醫者雙贏，從而以臺灣為基礎進軍國際高階手術機器人龐大市場。

手術機器人數位平臺系統：挑戰世界盃

1. 配合醫師、醫療院所及骨材廠商，共同開發新穎性醫療器材。
2. 發展特色醫療專區之骨科適應症門診手術服務。
3. 累積臺灣成功經驗，透過行銷與通路商授權合作，爭取國際大廠合作與授權。
4. 以智慧型脊椎微創手術機器人輔助系統提供低輻射、微創手術，讓醫護人員及病人享有低風險、高安全性之手術環境。





Technology
Industry Category
The Gold Award

Point Robotics MedTech Inc.



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Website	http://www.pointroboticsinc.com
Established Date	Jul. 28, 2016
Business Category	Intelligence spinal minimally invasive surgery system. The surgical robotic system, for safety and precise, has plane the path of spinal surgery and assist surgeon to operate which more quickly and precisely.
Capital	NT\$224,780,000

Point Robotics: Precise, Orthopedic, Intelligent, Navigation, Technology.

Point Robotics MedTech Inc. was founded in 2016. Our company believes health was not only a patient's prognosis but spiritual support, developed a high-quality medical product, lower medical exposure. In Taiwan, we have strengths in medical and technology which combined all electrical and mechanical, information technology, software, control, clinician to be a research team. What we are focus on? It is the most critical area, spinal minimally invasive surgery, what Point Robotics MedTech Inc. wants to be exploited and to dig in the high-risk operation of spinal surgery. We have decided to take on the challenge, market share of the robotic surgery system, in the world.

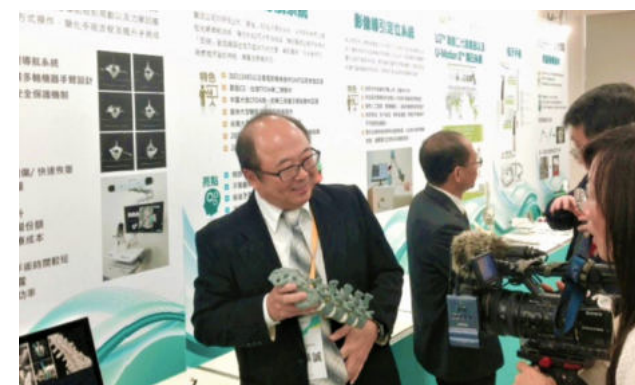


Surgical Robot will be The Important Issue Following Cardiac Surgery and Da Vinci Robot.

Point Robotics MedTech Inc. has a multidisciplinary employee. Based on the basic industry of medical and others about mechanical, software in Taiwan, we observe the urgent needs of clinical. Which means the present operation equipment of spinal surgery could not suit all the operation about the spinal or other hard tissue surgery. Therefore, we developed one technical in spinal minimally invasive surgery system, which can do spinal instrumentation, Spinal decompression, lumbar fusion. The aim is to increase safety, precise, lower medical exposure, and simplify the operation progress. Have a win-win between patient and physician.

Point Robotics will be the TOP ONE of Global Marketing.

1. Develop the novelty medical equipment
2. Development characteristic is Outpatient orthopedics surgery
3. Make an effort to do work and authorize with international medical equipment company
4. With the Intelligence Spinal Minimally Invasive Surgery System, provide lower medical expose, minimally invasive, low risk, and high safety.





科技產業組
金質獎

竹陞科技股份有限公司



G U T C
竹 陞 科 技

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電話 (03) 554-1777
傳真 (03) 554-0598
公司網址 <https://www.gutc.com.tw>
成立日期 2017 年 7 月 25 日
營業項目 半導體無塵室物聯網感應器及系統 / 遠程操控系統 / 遠程智能協同操控系統
資本額 NT\$180,000,000

善於提供智能監控與數據分析解決方案，提升無塵室運轉效能與良率

竹陞科技股創立於 2017 年 7 月，營運目標專注於晶圓廠、面板廠領域，致力於無塵室生產設備遠程操控系統、遠程智能協同操控系統，透過物聯網感應器、智慧工廠軟硬體整合解決方案以及雲端服務，針對不同類型、不同廠牌的機台設備，完成設備聯網及資訊採集，可實現生產流程與營運管理優化。良好的公司治理，於 2019 年 6 月經證券櫃檯買賣中心 (OTC) 審核通過，正式成為公開發行公司，證券代號 6739。公司總部設於臺灣新竹。



掌握半導體的 Domain Knowledge，提供即時的一條龍服務

創業團隊來自知名晶圓廠歷練多年，看到智能化、大數據的商機與趨勢，毅然決然放棄高薪，白手起家創立竹陞科技。經營團隊因為非常了解生產的痛點，這成為開創事業最佳的利基點，因此可以快速鎖定目標客群、拓展業務、創造業績。企業成長過程，經營階層重視公司治理、績效管理、研發資源投入、專利佈局、利潤共享及員工福利。

製成效率與產品良率是晶圓代工產業核心競爭力關鍵。隨著先進製程的演進、複雜度的提升，只要一個環節出錯，常常造成巨大的金錢損失與時間耗費，導致整體公司成本提高、競爭力下降。晶圓廠深刻體會「預防勝過治療」道理，因此客戶很願意投資智能設備及感測系統，可以大幅降低報廢所產生的巨大虧損並提高效率。竹陞一條龍的服務，從評估、測試、安裝、保固服務，讓客戶可以即時的一站購足，節省許多資料匯流與後臺整合的複雜問題。

打造世界級的 AIoT 匯流平臺，實現智能工廠生態系

● 智能工廠生態系核心平臺

G-Robots (Gobot) 工廠機器群自動化監控操平臺，讓無塵室各種機台的螢幕與資料，都可以整合匯流並透過 G-Handle 的代操系統 SOP 模擬人員操作，達成雙向溝通、即時處理、錯誤防止、降低人力的效果。

● 物聯網 (IoT) 數據收集

透過各式各樣的感測器 (Sensor) 把產線的壓力、溫度、測距、震動...等資訊，透過 Gobot 的平臺，高效率的上傳至雲端及中控後臺，有助於數據分析並降低佈線路的困擾。

● 透過 AI 結合深度學習與虛實整合

G-Server 可以同時連結 3000 台無塵室所有電腦的資訊，並記錄所有機台過去、現在、未來的排程與影像資料，透過強大的深度學習與分析，讓產線營運達到最佳化。

竹陞優質的產品與服務，成功獲得國際一線半導體大廠的信賴與採用，業務佈局以深耕臺灣、佈局世界為理念，業務跨足中國及新加坡。隨著全球半導體產業持續成長與擴張，外加疫情讓更多經營者了解遠端智能操作與零接觸經濟的重要性，推動工業 4.0 刻不容緩，竹陞有機會順著浪潮開拓更廣闊市場、業績繼續成長。追求獲利成長的同時，也重視企業永續經營與社會責任。





Technology
Industry Category
The Gold Award

Grade Upon Technology Corp.



G U T C
竹 陞 科 技

President	Tai-Yu Fang (TY)
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Tel	+886-3-554-1777
Fax	+886-3-554-0598
Website	https://www.gutc.com.tw
Established Date	Jul. 25, 2017
Business Category	Semiconductor Cleanroom Internet of Things (IoT) / Remote intelligent collaborative control system (RCM) / Artificial intelligence server (AI)
Capital	NT\$180,000,000

Excellent in improving the efficiency and yield of cleanroom operation by providing intelligent monitoring and data analysis solutions.

Grade Upon Technology Corporation (GUTC) was founded in July 2017. The company's operation goal focuses on the field of wafer fabs and panel fabs, and commits to remote control systems and remote intelligent collaborative control systems for production equipment in cleanroom. Through Internet of Things sensors, intelligent factory software, hardware integration solutions, and cloud services, GUTC completes equipment networking and information collection for different types and brands of equipment, and finally achieves the management optimization of production processes and operations. Due to the prominent corporate governance, GUTC was being approved as a public company by Taipei Exchange (OTC) in June 2019, the stock code is 6739. GUTC's headquarter is in Hsinchu, Taiwan.

Master in semiconductor's domain knowledge, provide whole package service immediately.

The entrepreneurial team came from a well-known fab and gained considerable domain knowledge. They gave up the high salary and founded Grade Upon Technology Corporation from scratch because the business opportunities and trends of intelligentized technology and big data popped out. Because the management team understands the pain points of production process very well, it became the best niche point for starting-up the business. Therefore, GUTC rapidly identified target customers, expanded business, and created performance. In the process of GUTC's growth, the management emphasizes corporate governance, performance management, R&D resource investment, patent layout, profit sharing and employee welfare.

Manufacturing efficiency and product yield are the key points to the core competitiveness of the manufacturing industry. As the evolution of advanced manufacturing processes and the enhancement in complexity, a single mistake often results in huge financial losses and time consumption, leading to an increase in overall company costs and a decline in competitiveness. Wafer fabs deeply realizes the principle of "prevention is better than cure," so customers are willing to invest in intelligent equipment and sensing systems which can significantly reduce the huge losses caused by scrap and improve efficiency. With GUTC's whole package service from assessment, testing, installation, and warranty services, customers are able to achieve one-stop shopping and save many complex problems of data convergence and back-end integration.



Build a world-class AIoT system integrated platform to achieve the goal of intelligent factory.

• Smart Factory Core Platform

G-Robots (Gobot), an automatic monitoring and operation platform for factory machine group, allows the screens and production data of every machines in the clean room to be integrated and operated by G-Handle's SOP simulation system, which achieves two-way communication, real-time processing, error prevention, and labor reduction.

• Internet of Things (IoT) Data Collection

Through variety of sensors, Gobot can efficiently upload information such as pressure, temperature, distance measurement, vibration, etc. from the production line to the cloud and central control back-end, which is helpful for data analysis and reducing the trouble of wiring.

• Combining deep learning and virtual integration through AI

G-Server can simultaneously link the information of all the Gobots in a 3000-unit clean room and record the past and present video data and future scheduling of all the machines, and optimize the production line operation through powerful deep learning and analysis.

GUTC's high quality products and services have successfully won the confidence and adoption of top-tier international semiconductor companies. GUTC's business layout is based on the concept of deep cultivation in Taiwan global layout, and expands business across China and Singapore. As the continuous growth and expansion of the global semiconductor industry and pandemic virus spreading around, more operators realize the importance of remote intelligent operation and zero-touch economy. It is imperative to promote Industry 4.0. GUTC has the opportunity to follow the wave to exploit a broader market and continue to grow the performance. While pursuing profitable growth, GUTC also emphasizes the importance of sustainable corporate operation and social responsibility.



路易莎職人咖啡股份有限公司



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傳真 (02) 2901-0608
公司網址 <https://www.louisacoffee.co>
成立日期 2015 年 7 月 22 日
營業項目 食品、飲料製造及門市經營
資本額 NT\$123,240,810

將精品咖啡帶入日常生活， 創造屬於華人的全新餐飲文化

「咖啡，是城市文化的縮影。」路易莎從咖啡的美味起點「烘豆」開始，以「精品咖啡平價化」作為品牌核心理念，國際化眼光在地經營，以全臺超過 500 間門市數量稱霸臺灣連（鎖精品咖啡市場。本著「相信路易莎可以讓人得到幸福」的信念，秉持職人精神設立烘豆廠、烘焙廠、餐食廠，全力發展「咖啡愛好者的餐飲」，創造一系列能與咖啡完美搭配、美好氣息交織出開心香氣、滿足味蕾渴望的無油煙暖心餐點；以創新業界的虛擬黑卡，運用 AI 與 BI，為路易莎鐵粉提供結合客服、精準行銷、會員經濟的美好消費體驗；以創新的座位價值理論，明亮清新、年輕有朝氣的文青設計風格，營造舒適生活體驗，將精品咖啡帶入日常生活，讓每一間路易莎，都是顧客最溫暖而貼心的家。

全方位咖啡生活：探索需求、滿足需求、創造需求

路易莎深入觀察消費者生活型態與需求轉變，精準掌握產業發展趨勢，以「產銷一條龍」的營運模式，自行採買最優質無不良添加的原物料，生產路易莎特色蛋糕、貝果、漢堡排、義大利麵等美味餐點，從街角巷弄的五坪小店，到精華特區的旗艦大店、風格獨具的圖書館、古宅、親子等多元創意門市，靈活調整營運策略，為每一個社區量身打造最適合的完美服務，透過每一位路易莎咖啡師的手，將最暖心的產品用心完整地呈現給每一位熱愛生活的顧客，創造美好的「全方位咖啡生活」。

1. 專業知識領先，攜手國際尋豆師，引領臺灣咖啡潮流。
2. 專業中央烘豆廠，國際認證杯測師，為咖啡品質嚴格把關。
3. 斥資興建七座食品廠，打造獨特咖啡愛好者餐飲，滿足消費者多樣化享受。
4. 咖啡、茶飲、風格特色門市的完美結合，創造全新文化感動。
5. 年輕時尚、創新 E 化經營，滿足便利好生活。

臺灣精品，職人精神， 以餐飲文化改變世界

「永遠把服務顧客放在第一位」，路易莎以「職人精神」全力以赴，認真專注地做好每一杯咖啡，重視每個微小的細節，透過產品品質、服務品質全面的升級，讓路易莎對咖啡的愛與感動，能透過每一杯咖啡的溫度，完整地傳遞、分享給每一個人。路易莎想成為一個可以與國際集團媲美，能夠代表臺灣的精品咖啡品牌，透過海外拓展，把臺灣豐富優良的工藝技術與人文精神，推廣帶到全世界去，以餐飲文化更大地改變人類的生活。





Traditional
Industry Category
The Gold Award

Louisa Coffee Co. Ltd.



President	Chris Huang
Address	10F, No. 657-10, Zhongzheng Rd., Xinzhuang Dist., New Taipei City 24257, Taiwan (R.O.C.)
Tel	+886-2-2903-5868
Fax	+886-2-2901-0608
Website	https://www.louisacoffee.co
Established Date	Jul. 22, 2015
Business Category	Food and Beverages Manufacturing、Coffee/Tea Shops and Bars
Capital	NT\$123,240,810

Bringing Premium Coffee into Everyday Life: Creating an All-New Chinese Dining Culture

"Coffee is a microcosm of urban culture." Louisa begins with the place where coffee's excellent taste comes from – the roasting – to make "Premium Coffee at Everyday Prices" our core brand philosophy. With an international perspective, local operations, and over 500 locations around Taiwan, we have become the dominant Taiwanese premium coffee store chain. Based on our belief that "Louisa can bring happiness to people", and with our specialist spirit of establishing our own roasteries, bakeries, and cooking facilities, we work hard to develop "food and beverages for coffee lovers". We have created a whole series of heartwarming, non-fried treats that go perfectly with coffee, blend delicious aromas with enjoyable tastes, and satisfy what taste-buds want. With our industry-innovating virtual Black Card and our use of AI and BI, we provide core Louisa fans with a superior consumer

experience that integrates customer service, precision marketing, and member discounts. Our innovative theory of value for seating includes a hip, brightly-lit, youthful, and energetic design style. By creating comfortable experiences, we bring premium coffee into everyday life, to make every Louisa location into a warm and considerate second home for our guests.

A Robust Coffee Life: Finding, Meeting, and Creating Demand

We at Louisa thoroughly evaluate how consumer lifestyles and needs are changing, in order to precisely grasp industry development trends. With our Vertically-Integrated Production and Marketing operating model, we directly purchase the best ingredients with no harmful additives, then produce unique Louisa cakes, bagels, hamburger patties, pasta, and more delicious foods. Our stores range from the smallest 5 ping (15 m2) corner store, to shops with diversely innovative features such as flagship stores in luxury shopping areas, uniquely-styled libraries, classic residences, and family-friendly facilities. We agilely adjust our operating strategies to create uniquely customized service, just right for each community. From the hands of every Louisa barista, we considerably present our customers who are passionate for life with the most warm-hearted products available, to create the enjoyable "Robust Coffee Life".

1. Our professional knowledge leads the way. We work hand in hand with international coffee buyers to pioneer coffee trends in Taiwan.
2. Our specialized central roastery and internationally-certified cuppers maintain strict control over coffee quality.
3. We have allocated funds to build seven cooking facilities, in order to create unique food & beverages for coffee lovers and satisfy consumers' multifaceted tastes.
4. Our perfect combination of coffee, tea beverages, and uniquely-styled stores creates entirely new cultural inspirations.

5. Our young, fashionable, innovative, smart operations satisfy people's needs for convenience in living.

Premium Taiwanese Products and a Specialist Spirit: Using Food & Beverage to Change the World

"Always make customer service Priority #1." With our Specialist Spirit, we do our utmost and focus steadfastly on making every cup of coffee great. We care about the little details. Through enhancing every aspect of our product & service quality, we help convey our love and passion for coffee in every considerate cup that we give to our customers. Louisa aims to become a premium coffee brand that can compete internationally and represent Taiwan. Through overseas expansion, we bring Taiwan's spirit of craft and kindness, both bountiful and wonderful, to the entire world. Through food & beverage culture, we can more broadly change people's lives.





傳統產業組
金質獎

盧貝思股份有限公司



負責人 鄭景丞
地址 新北市中和區橋和路 87 號 7 樓
電話 (02) 8228-6224
公司網址 <https://rubasseroasters.com>
成立日期 2015 年 9 月 23 日
營業項目 盧貝思近紅外線數位烘豆機
資本額 NT\$4,093,250

盧貝思 - 科技與精品咖啡的對話

盧貝思創立於 2015 年 9 月，為精品咖啡豆專業烘焙設備製造服務商，利用全新加熱技術及新型設計理念，創造出全球唯一專利加熱源在正中心「近紅外線數位烘豆機」。我們採用近紅外線加熱特性，大幅提升咖啡烘焙所注重的高烘焙均勻性與成果重現性，並且促進精品咖啡量產模式的改革，利用全自動及智能化補償系統，呈現精品咖啡小鍋烘焙的穩定度，並且達到量產需求的目標。目前已在全球銷售超過 200 台，成為全臺商業用全自動咖啡烘焙機市占第一，足跡遍及美國、澳洲、紐西蘭、以色列、泰國、日本、香港等地。盧貝思著重人才特質，鼓勵公司成員精進各自的能力指標，與優秀夥伴共同發展，拓展全球市場。



● 烘焙熱源的特殊性：半導體控溫技術與傳統烘豆機的創新結合。

近紅外線穿透一公分穀物的加熱原理，克服市場上咖啡烘焙品質不均的狀況，不受限於瓦斯加熱的不穩定及火候不足的電熱管，帶來對環境友善（低廢熱）且有效提升烘焙效能（低成本）的優勢。

● 烘焙參數的數據化：數位烘焙參數控制系統的創新開發。

突破傳統烘豆難以掌握烘焙過程及條件，從傳統咖啡烘焙僅靠經驗及感覺的模式，轉為紀錄完整的控制參數包含進出豆、風速、火力、轉速等，線性參數設計，藉此可以精準地控制烘豆的製程，以提升烘豆的成功率。

● 烘焙紀錄的圖像化：即時顯示烘焙的操作過程，並且保存記錄。

突破傳統業界人工繪製烘焙曲線，創新獨家整合曲線紀錄系統，即時顯示烘焙曲線，保存屬於每個烘焙師個性化風味曲線紀錄。

● 烘焙的一鍵重現

整合所有烘焙過程，保留曲線紀錄後，僅需一個按鍵，重現咖啡豆的風味可直接以相同烘焙係數製作，以全自動方式重現風味達到穩定量產，貼近精品咖啡的生產模式。

使用盧貝思，輕鬆玩轉您的咖啡烘焙計畫

這五年的目標我們將積極開拓國外市場，提倡「小鍋烘焙、精品量產」的精品咖啡新思維，以精品咖啡烘焙的自動化，進而推動全球精品咖啡的普及化。





Rubasse Co. Ltd.



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Address	7F., No. 87, Qiaohe Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)
Tel	+886-2-8228-6224
Website	https://rubasseroasters.com
Established Date	Sep. 23, 2015
Business Category	Rubasse Near-Infrared Radiation Digital Coffee Roasters
Capital	NT\$4,093,250

Rubasse -The interaction between specialty coffee and technology.

Rubasse was founded in 2015 by a physicist and coffee lovers who wanted to popularize "Specialty coffee"- that coffee can be better, fresher and healthier. As an optimal coffee-roaster manufacturer, Rubasse thinks out of the box and chooses "Near-Infrared Radiation "as heating sources, which is known for its remarkable penetration rate. The unprecedented and patented design of mechanism, NIR heating halogen, and back-tracking system substantially enhance coffee consistency and successfully promote the concept "small batchs, fresh mass-production". Today, Rubasse has dominated coffee-shop roaster market in Taiwan and served more than 200 clients in every corner of the world, including America, Australia, New Zealand, Israel, Thailand, Japan, Hong Kong and ...etc.

Rubasse is always looking for people who can bring new perspectives and life experiences to our teams.

With outstanding partners, we will keep paving the way for international growth and maintaining our lead in fully-automatic coffee roasters industry.

- **The value of NIR Heating source: Integrating semiconductor engineering/technology into traditional coffee roaster.**

The transmitting distance of the near infrared radiation going through to the coffee beans can be up to 1 cm. The advantage is that the surface and the core of beans can be heated uniformly, which overcome difficulties of uneven roasting by traditional roasters. The unique mechanism design brings out environment friendly "low heat waste" and "high energy efficiency".

- **Digitized factors of roasting: innovative development of roasting control system.**

Breaking through the difficulties of traditional roasting industry that roasting only can rely on experience and feeling. Rubasse control all roasting process, including exhaust, heat, drum rotation speed (RPM), and ...etc. We develop the linear-parameter design allows roasters to precisely monitor and make every adjustment to improve the success rate of good roasts.

- **Graphical Display of Roasting Profiles: The invention of digitized adjustments.**

During roasting process, the real-time display will provide graphical roasting profile on touch screen where your every adjustment show. From hand-write roasting profiles to digitized version, Rubasse help roasters to leisurely record all adjustments. To keep your unique and original coffee flavor.

- **One Touch, Smart Replication.**

Once roasters have your own roasting profiles, you can easily and precisely reproduce your classic flavor with one touch. From charging coffee beans to releasing them, fully-automatic

mechanism can achieve remarkable coffee consistency and save costs

Future vision: "Roast coffee creatively. Create superb cups."

Rubasse is to accelerate the world's transition to specialty coffee. In the next five years, We will expand our business beyond domestic market and keep advocating the new concept "Small batches, Fresh mass-production" to the world.





e+ AutOff

SEA Countries Version

知識服務業組
金質獎

耀主科技股份有限公司



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傳真 (04) 2236-2933
公司網址 <https://www.yztek.com.tw>
成立日期 2018 年 10 月 15 日
營業項目 e+ 自動關 外掛式瓦斯爐自動關閉器
資本額 NT\$20,000,000

火的出現改變人類的文明， 耀主的出現優化人類的用火文明

兒：「媽~! 有臭灰搭的味道~~妳是不是有在煮什麼？」
媽：「啊~~! 糟了! 我的滷肉啊~~」

自從西元 1826 年全球第一口瓦斯爐在愛爾蘭誕生以來，類似前述劇情跟記憶相信並不陌生，但在沒有一個適當的解決方案出現前，多數人的想法應該都是「下次注意點就好了」，但這卻是一個極度挑戰人性的想法。

根據臺灣消防署統計資料，廚房為建築物起火處所的第一名，平均每天有十起以上的火災通報是因為爐火烹調不慎所造成，這讓消防弟兄的勤務更加繁重，而這還不包括更多數及時發現、自行撲滅未通報的數字。令人擔憂的是，伴隨著每戶人口數降低，高齡化的社會到來，長輩獨自在家的情況十分常見，這也代表廚房的安全性更加重要，如何讓在外工作的年輕人放心家中情況，是現代的一大課題。

「知易行難」套用在「e+ 自動關」發明的心情是最佳的寫照，問題解決了之後等待著是更多連動

的問題、在資源有限的狀況下也多次考慮是不是該認輸放棄，但放不下的是在開發的過程中發現若真能夠降低忘記關火這件事發生的機率，其實就能夠為這片土地、這個社會貢獻一點點正面的力量。

或許是堅持讓社會更美好的理念及信仰支持引導下，最後「e+ 自動關」終於順利突破瓶頸完成開發，耀主科技於焉誕生，並在公司成立之初便承諾了社會回饋方案「自動關、分享愛」：每銷售出 100 台 e+ 自動關將捐贈 2 台給臺灣弱勢團體。

火的出現改變人類的文明，耀主的出現優化人們的用火文明。耀主科技要「每一個家都幸福，煮每一頓都安心」有主的地方就有平安，有耀主的地方要煮就有平安。

「使用者導向」出發， 開發者就是使用者

「e+ 自動關」的起心動念來自於自身的需求。就在四年前，「e+ 自動關」的發明人杜澤儒先生就因為心疼母親煮壞一鍋滷肉的失落心情，更無法想像如果爸媽忘了關火但卻睡著的恐怖情景，由於本身喜好發明以及多年的電子產業經驗，便開始思索如何來解決這樣的問題。

眾所皆知對抗火災的最佳策略是採取預防性管理，現有廚房警報方式只能在災害發生後警報，若人已外出或熟睡，便無法預防災害發生；而更換為智慧瓦斯爐的話，價格及必須先設定又常令消費者怯步。「e+ 自動關」為適用於事前預防以及便利使用之外掛式瓦斯爐裝置，能有效降低忘記關閉爐火發生機率，讓家家戶戶皆可安裝。

「e+ 自動關」為全球首創外掛式瓦斯爐自動關閉裝置，於 2019 年 5 月上市即深獲好評，產品已於各大通路上市；並於同年九月獲得臺灣創新發明獎 (TIE) 最高榮譽鉑金獎及 IFIA 國際發明聯盟協會最佳發明及卓越創新獎。

● 「e+ 自動關」系列產品特色如下：

1. 安裝簡單：不須更換爐具或專人佈線埋管，可自行安裝。
2. 自動啟動：當旋轉旋鈕，防護機制自動啟動，不會忘記設定。
3. 不改習慣：維持正常烹煮習慣，消費者接受度高。
4. 時間調整：可依據需求自由調整時間。
5. 愛心提醒：當時間到達，以燈號及聲響做到最大程度的提醒。
6. 主動協助關閉爐火：當無任何處置動作，即自動旋轉旋鈕至關閉位置。

7. 省電耐用：透過韌體演算控制達到省電耐用，且替換方便。
8. 瓦斯爐通用性高：透過專利連結模組開發，可適用世界主要國家不同品牌之瓦斯爐旋鈕軸心規格。
9. IoT 聯網實用性及發展性：可透過無線模組將用火狀況即時傳送至雲端，進行遠端監控、事件通報、權限管控三大功能之啟用

從廚房關火起家， 致力於打造居家安全智能科技 發展運用而努力

耀主科技的願景是朝世界一流之目標邁進，將秉持良善的公司治理精神，除了透過產品帶給家庭社會安全正向影響，亦會提供公司夥伴良好的成長發揮環境，與合作廠商共同成長，善盡社會責任。

「關懷家庭，立足臺灣，放眼全球」，耀主科技從關懷家人出發，已針對國際市場以及趨勢擬定好多元產品開發策略。除「e+ 自動關」系列產品已可適用於世界主要國家各種不同品牌瓦斯爐，隨著 5G 時代來臨，「e+ 自動關雲端版」開發計畫已進入驗證階段，預計於 2020 年 12 月完成。未來透過手機即可知道家人爐火使用狀況，並可遠端關閉，即時異常通報，讓烹煮安全更即時，讓科技落實家人關懷。



Yztek Co., Ltd.



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Website	https://www.yztek.com.tw
Established Date	Oct. 15, 2018
Business Category	e+Autoff Add-on driving safety controller of stove
Capital	NT\$20,000,000

The advent of fire changed human civilization, and Yztek optimize human civilization for fire use.

Since the birth of the world's first gas stove in Ireland in 1826, it's common people might have unpleasant experiences forgetting to turn off the working fire on the stove. But until a proper solution is presented, most people's thoughts should be "just be more careful next time", but this is an extremely challenging idea to human nature.

According to statistics from National Fire Agency, Taiwan, kitchen is the number one place of building fires, with an average of more than 10 fires reported daily due to careless cooking on the stove, making the firefighters' duties even heavier, and that's not including the much more numbers that are unreported. What is worrying is that with the coming aging society and decreasing number of people per household, it is common for the elderly to stay at home alone, which means that the safety of the kitchen is even more important.

The founder, Kevin Du, decided to find a solution, however, it's easier said than done, the development process was more difficult than expected. Perhaps with the support of the idea and belief of making society better, the right people and resources emerged and removed last obstacles by divine providence. The "e+ Autoff" finally roll out officially, and Yztek company established in 2018, at the same time Yztek company also committed to a community feedback program for every 100 units sold, 2 units will be donated to disadvantaged groups.

User oriented, market needs understanding.

The "e+ Autoff" concept comes from our own needs. It is hard to imagine what would happen if my mother forgot to turn off the stove while my parents fell asleep. We all know that the best strategy to combat fire is to adopt preventive management, however, existing kitchen safety solution only gives alarm passively.

"e+ Autoff" is a patented plug-in device and launched in May, 2019, and in September of the same year, it received the Taiwan Innovation and Invention (TIE) Platinum Award, the IFIA best invention medal, and ABII Innovation Excellence Award. It is now available in major market channels.

● Product features are as follows

1. Simple installation: No need to change stove or to manage pipelines. Self-installation is extremely easy.
2. Auto start: When you turn on the gas, protection mechanism starts automatically. No additional manual intervention is needed.
3. No habit change required: Just cook as you would. "e+ Autoff" operates on its own. You wouldn't even notice it's there.
4. Cooking time adjustment: You can set up different cooking time alert for different dishes.
5. Sincere reminder: When setting time is up, "e+ AUTOFF" sends out an humming alert for 1 minute. So you won't forget

about your cooking fire is still on.

6. Auto turnoff: During the humming alert, if you can't turn off the stove for any reason, e+ autoff will turn it off for you.
7. Energy saving and long battery life: Through firmware computing control, battery life is long and easy to replace.
8. High versatility: the patented linkage module can be applied to different brands of gas stove in major countries around the world.
9. IoT networking ability: Wireless module can transmit usage status to the cloud, enable remote monitoring, event notification and authority control.

Starting from kitchen safety, we committed to the development and application of home safety and smart technology.

Yztek's vision is to move towards the goal of world-class, and we will uphold the spirit of good corporate governance, not only bring positive impact to family and social safety through our products, but also provide a favorable environment for our partners to grow and develop, and to fulfill our social responsibility.

"Family caring, based in Taiwan, global perspective", from the perspective of caring for the family, we have formulated a diversified product development strategy based on international markets and trends. The "e+ Autoff" now can be applied to different gas stove in major countries around the world. With the advent of the 5G era, "e+ Autoff Cloud version" development project has entered the validation stage and is expected to be completed by December 2020. Until then, we can know the status of families' stove through mobile phone, make cooking safer and realizing family care through technology. Yztek commit to make our society safer and better with an originally sincere belief.



光禾感知科技股份有限公司



光禾感知科技股份有限公司
OSENSE TECHNOLOGY CO., LTD.

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公司網址 <https://www.osensetech.com>
成立日期 2017年3月17日
營業項目 智慧球場、智慧展覽、LBS AR
資本額 NT\$85,000,000

全感知科技打造 全智慧場域新應用

光禾感知科技股份有限公司 (OSENSE) 成立於 2017 年 3 月，數年來在國內外屢獲殊榮，包括 2019 年獲選日經新聞「尋找十年後的 google、改變世界的 100 家公司」，與 2020 年科技部臺灣 10 家最酷新創、XR 創星金點大賞三項大獎等多項肯定。

OSENSE 通過自有 VBIP 專利技術及跨領域技術整合，追求達到「全感知」科技。使用者手持安裝感知技術的智慧載具時，能感知環境；將技術導入機器及設備時，則能在不同場域感知人；若場域中能同時感知人及環境，也就是結合人工感知及人工智慧後，便是「全感知」科技。

當環境資訊可透過全感知科技解讀利用，應用場景便會一一浮現，不論是工業工程、交通導航、賽事活動或是零售行銷，都能以嶄新姿態實現線下線上整合和生態圈活化，並以 LBS 翻轉民眾服務及客戶關係。

整合底層技術，針對痛點開發解決方案

OSENSE 了解單一技術的碎片式拼湊無法完善有效解決痛點，故致力整合電腦視覺、空間感知、訊號處理、定位導航、擴增實境等技術，系統性開發解決方案。

● 提供球迷 O2O 觀球新體驗 -- 智慧球場

OSENSE 針對不同球場需求，提供資訊、互動、消費三大核心服務，球迷通過 AR 互動效果可提高現場看球的娛樂性，如 AI 電子好球帶等科技轉播豐富了螢幕前的看球經驗；球團也能利用影像資訊擬定戰略、訓練計畫或經營策略。

● 後疫情時代的數位展覽新選擇 -- 智慧展覽館

為提供全球會展產業一站式 OMO 展覽新型態，OSENSE 於 2019 年開始以多媒體互動與 AI 智慧監控的方式，解決傳統展覽廠商參展效益與體驗的痛點需求；又因應疫情打造全新 O'EXPO 線上展覽解決方案，聚焦使用情境，弱化網路環境的距離感，以科技工具協助解決展覽的核心價值。

● 導流導購新助力 -- 智慧觀光

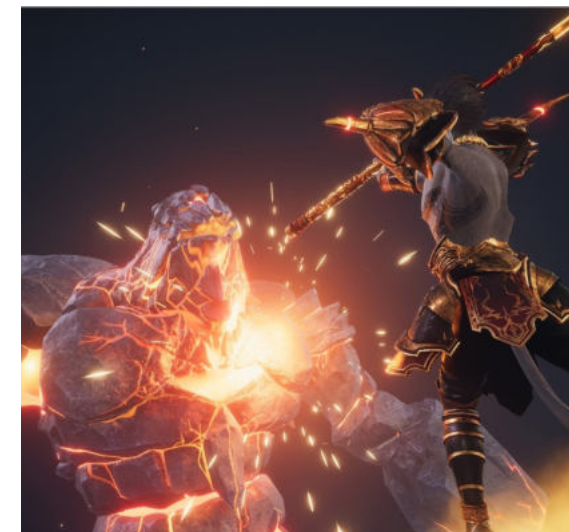
OSENSE 基於 LBS 技術及獨家專利 VBIP，能流暢串接室內外環境，打造覆蓋全市的有機觀光網路，增加空間應用的可能性。除了定位及導航功能，也可利用 VBIP 後臺設置各種 AR 情境應用，例如導航、互動遊戲、促銷活動等，讓使用者得到不同凡響的空間體驗。

主動出擊，改變感知世界的方式

隨著大型場域及空間的整合型需求增加，O2O 或 OMO 服務都需要更多元功能及數據的整合，才能對使用者提供更完整的服務。

未來 OSENSE 將持續投入研發，從各個角度為客戶梳理痛點及需求，協助業主打造 O2O 互動平臺，也為業主解決運營問題，與業主一同創造數據變現及分潤合作模式。

執行長王友光認為：「『感知』是空間應用達到智慧化的第一步。」透過感知世界的全新方式，空間的運用可以千變萬化，相信最終將能達到「用感知科技改變世界」的願景。





Knowledge-based
Service
Industry Category
The Gold Award

Osense Technology Co., Ltd.



光禾感知科技股份有限公司
ONSENSE TECHNOLOGY CO., LTD.

President	You-Kwang Wang (Joseph)
Address	8F., No.325, Sec. 4, Zhongxiao E. Rd., Da'an Dist., Taipei City, Taiwan (R.O.C.)
Tel	+886-2-8771-7175
Fax	+886-2-8771-8746
Website	https://www.osensetech.com
Established Date	Mar. 17, 2017
Business Category	Smart Stadium Solution, Smart Exhibition Solution, LBS AR
Capital	NT\$85,000,000

Using All Sense Technology to Create New Applications in Smart Space

Osense Technology Co., Ltd., established in March 2017, has won numerous awards both at home and abroad in these years. Such as Taiwan Coolest 10 Startups 2020, Three Awards of XR Golden Awards, and being selected as "In Search of Next Google, 100 companies that will change the world" by Nikkei Business.

AI's spatial understanding is the bridge between O2O services and the real world. OSENSE aims to integrate AI and IoT for smart location solutions and the O2O service platform. Our core technology is "Vision Based Indoor Positioning" (VBIP). Based on computer vision technology, the VBIP system is integrated with environment signals, including radiofrequency, magnetic field ...etc. It's a system that can minimize hardware deployment and combine other technologies that already exist in the environment. With VBIP, AI will understand the environment and users to support on-demand O2O services and collect interactive data.

When environmental information can be interpreted and utilized, the application scenarios will emerge one by one. Whether in industrial engineering, traffic navigation, competitions, events, or marketing, online and offline services can be integrated, and LBS can change the relationship between users and space.

Integrate the Technologies to Develop Solutions for Pain Points

OSENSE understands that piecemeal solutions can't solve pain points perfectly, so it is committed to integrate technologies such as computer vision analysis, spatial recognition, signal processing, positioning, navigation, and augmented reality to develop effective solutions systematically.

• New Experience of O2O game-watching: Smart Stadium Solution

Smart Stadium Solution focuses on enhancing the fans' three major consumer behaviors: information, interaction, and consumption. Fans can enjoy the more exciting game-watching experience through AR interactive features and technological broadcasts. This one-stop O2O platform will create a higher return rate. It combines the demand of fans and user profiles to optimize services and management strategies to enhance the performance of game management. OSENSE Smart Stadium Solution will initiate a new experience for the fans and improve management efficiency for the league and team management.

• New Model of Exhibitions in Post-Covid19: O'expo Smart Exhibition Solution

To provide a new model of a one-stop OMO exhibition in the global exhibition industry, OSENSE tried to solve the pain points of traditional exhibition organizers, exhibitors, and visitors. In response to the Covid-19, a brand-new online exhibition solution of O'EXPO was created, focusing on the user's experience, alleviating the sense of alienation in the network

environment, and implementing the core value of the exhibition with technology.

• New Tools for Marketing and Guiding—LBS AR

Based on LBS technology and exclusive patent VBIP, OSENSE can connect indoor and outdoor environments seamlessly, build a sightseeing & city service network covering the whole city, and increase the possibility of space application. In addition to positioning and navigation, one can set up various AR applications with VBIP backgrounds, such as AR navigation, AR interactive games, and AR promotions, so that users can enjoy an extraordinary sightseeing experience.

Take the Lead, Change the Way We Perceive the World

With the increasing integrated demand for large fields and spaces, to provide a complete service, the O2O or OMO services must be equipped with multi-function and data integrating abilities.

In the future, OSENSE will continue to invest in research and development, sort out the pain points and needs of customers, assist customers in building the O2O interactive platform and solve the operational problems for them. Through cooperating with customers, we will develop a win-win situation.

Joseph Wang, the CEO of OSENSE, said: "Perception is the first step to intelligentize the space application." Through the brand-new way of perceiving the world, the use of the space can be ever-changing. We believe that the vision of "changing the world with spatial recognition technology" will finally be achieved.





錫德斯生醫科技股份有限公司



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電話 (07) 695-5056
公司網址 <https://www.biosidsco.com>
成立日期 2018 年 3 月 29 日
營業項目 臨床前實驗受託服務
資本額 NT\$85,000,000

臨床前委託試驗機構 補足臺灣生醫產業鏈缺口

錫德斯生醫科技名字來自於英文縮寫 SIDSCO (Scientific Integration Design Service Corporation)。顧名思義，錫德斯經營目標在於系統化及客製化的臨床前實驗整合委託服務整體解決方案，其包含：實驗設計、材料準備、實驗執行、報告撰寫以及取證輔導等。「臺灣有很好的生技製藥發展基礎，我們希望未來能國際接單、臺灣製造」！成立一年多就獲得經濟部中小企業處「破殼而出新創企業獎」的我們認為不需耗費大量電力、水資源及土地的生技服務業，將有潛力成為帶領臺灣經濟成長的下一世代產業。而錫德斯的現階段的努力，正為這個成長契機，注入新動能。



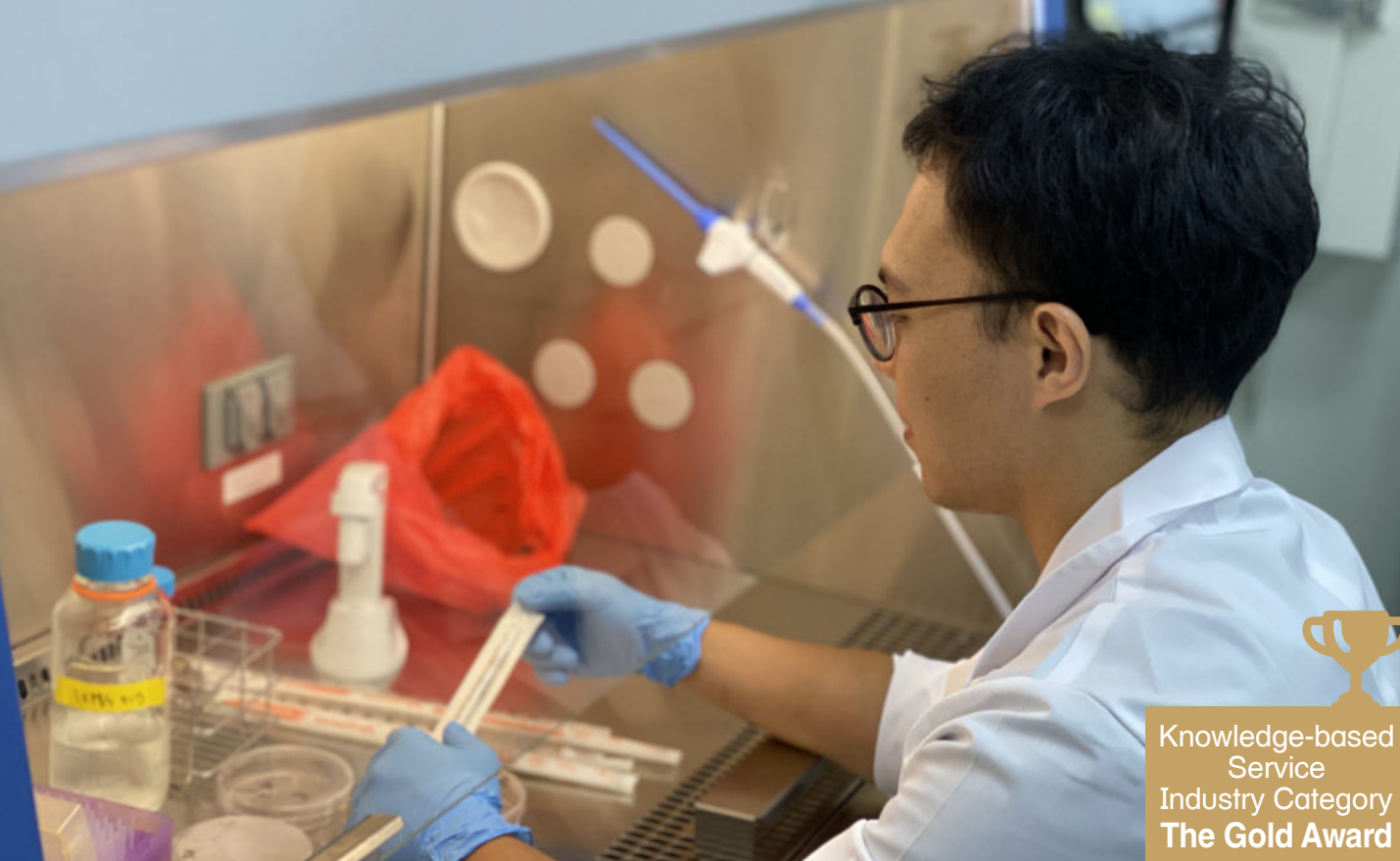
堅強實驗團隊展現強大執行能量

憑藉堅強團隊與高雄醫學大學育成中心的協助，錫德斯很快找到建立優勢的策略方向，並且於今年建置並啟用了路竹科學園區 324 坪符合國際標準之動物飼育及試驗設施。錫德斯生醫也不斷地追求創新與開發，以這次新冠肺炎為例，在疫情初期錫德斯生醫即投入資源，憑藉開發技術和經驗，成功地在最短的時間內開發出以假病毒 (Pseudovirus) 為基礎的新冠病毒感染活性篩檢平臺並提供委託服務，讓國內外業者能利用此活性篩檢平臺偵測中和性抗體、小分子、天然萃取物，或確認消毒性醫材確效，可望加速未來藥物開發與中和抗體研究流程。憑藉我們的核心技術、研發量能及經驗，在疫情開始之初即投入開發，為的就是在這疫情緊繃的時刻，希望能盡點心力，也讓世界看到臺灣生技產業的實力。

站上世界舞臺成為指標性 CRO 企業

「我們就像是室內設計師負責設計及整體裝潢，執行時會把某些工程外包，也會有自己的團隊，負責大部分工程的施作」。錫德斯團隊的專長是實驗動物學、分子細胞學及組織病理學，熟悉實驗動物操作與判斷，同時也與其他如蛋白質製造、基因分析等實驗服務公司保持合作。較為特別的是錫德斯生醫也積極的進行跨領域合作，主要包含了臺灣實力深厚的資通電產業，也尋求生醫、光電以及 AI 運算等不同領域合作，期望能產生全新的創新服務。目前公司內部的病理組織銀行以及病理組織資料庫也有了初步的雛形，也積極的與 AI 影像判讀團隊合作，希望在不久的將來能夠成功推出創新的產品。最重要的是錫德斯生醫致力於永續經營發展並拓展企業國際，將成功案例的模式複製至大陸市場，東南亞市場及其他市場，成為國際化導向之專業實驗委託及系統實驗設計服務公司。





Knowledge-based
Service
Industry Category
The Gold Award

SIDSCO Biomedical Co., Ltd.



President	Chin-Kai Tseng (Jimmy)
Address	4F., No. 63, Luke 2nd Rd., Luzhu Dist., Kaohsiung City 821, Taiwan
Tel	+886-7-695-5056
Website	https://www.biosidsco.com
Established Date	Mar. 29, 2018
Business Category	Pre-clinical CRO
Capital	NT\$85,000,000

Preclinical Contract Research Organization to complement the gap of Biomedical industry in Taiwan

The name of SIDSCO Biomedical Co., Ltd. comes from the English abbreviation SIDSCO (Scientific Integration Design Service Corporation). As the name implies, SIDSCO's business goal is to provide a systematic and customized pre-clinical experiment integration commissioned service total solution, which includes: experiment design, material preparation, experiment execution and report writing, etc. "Taiwan has a very good foundation for the development of biotechnology and pharmaceuticals, and we hope that in the future we can take orders internationally and execute in Taiwan!" We believe that the biotechnology service industry, which does not consume a lot of electricity, water and land, has the potential to become the next generation industry that will lead Taiwan's economic growth. The efforts of SIDSCO at this stage are injecting new momentum into this growth opportunity.

Perfect execution of contract researches by our strong team work

With the help of Kaohsiung Medical University, SIDSCO quickly found a strategic direction to establish its advantages and completed the construction and operation of animal breeding and experimental facilities in the Luzhu Science Park this year. SIDSCO also continuously pursues innovation and development. Taking the COVID-19 as an example, SIDSCO invested resources at the beginning of the epidemic. With its development technology and experience, we successfully developed a pseudovirus in the shortest time. (Pseudovirus)-based SARS-CoV-2 infection activity screening platform provides many companies using this activity screening platform to detect neutralizing antibodies, small molecules, natural extracts, or to confirm disinfection medical materials. It is expected to accelerate the future Drug development and neutralizing antibody research process. With our core technology, R&D capacity and experience, we invested in development at the beginning of the epidemic, in order to do our best at this moment of tightness of the epidemic, and let the world see the strength of Taiwan's biotechnology industry.

We apply ourselves to become an iconic CRO and go global

The SIDSCO specializes in experimental animal, molecular biology, and histopathology, and is familiar with the operation of experimental animals. At the same time, it also maintains cooperation with other experimental service companies such as protein manufacturing and genetic analysis. What is more special is that SIDSCO is also actively engaged in cross-field cooperation, which mainly includes Taiwan's strong electronics industry, seeking innovative services in different fields such as biomedicine, optoelectronics, and AI computing. The current internal pathological tissue banks and pathological tissue databases have also had a preliminary prototype, and are actively cooperating

with the AI image interpretation team, hoping to successfully launch innovative products in the near future. The most important thing is that SIDSCO is committed to sustainable business development and expansion of the company internationally, copying the model of successful cases to the mainland market, Southeast Asia market and other markets, and becoming an internationally oriented professional experiment commission and system experiment design service company.





知識服務業組
金質獎

洽吧智能股份有限公司



保險業的軍火商

洽吧智能股份有限公司於 2017 年在臺北成立，是一間金融科技公司，專注於研發、製造、授權和提供廣泛的金融機構軟體服務。目前，洽吧智能是臺灣地區市佔率最高的保險科技技術供應商，最為知名且暢銷的系列產品為全技術自主研发的人工智能產壽險解決方案，提供人壽與產物保險客戶的常態性公有雲即需即用軟體/本地資料中心解決方案，由核保、理賠等服務流程開始，到深入協助建立更準確的風險模型。

洽吧智能是由一群充滿熱情的資料科學家、軟體工程師與頂尖的邊緣運算專家所組成。該公司致力於提供基於最先進的機器 / 深度學習技術的電腦視覺與自然語言處理引擎，協助保險公司解決最困難的商業問題。並朝著成為不可或缺的合作夥伴，並與客戶共利互惠持續努力。截至目前為止，洽吧智能已在市場取得了一席之地，且有決心要成為一個消費者認同的全球品牌。

負責人 趙式隆
地址 臺北市中正區南海路 1 號 13 樓
成立日期 2017 年 3 月 31 日
營業項目 金融機構人工智能智慧電腦軟體及相關服務
資本額 NT\$13,000,000

馬克 - 泛用型金融人工智慧

如同 IBM 的華生，馬克是洽吧智能於 2018 年推出的泛用型金融人工智慧，是全球第一個集電腦視覺、自然語言處理、光學字元識別、資料探勘等開放式機器 / 深度學習技術的應用核心。透過神經網路、演算法、雲端運算和大數據的綜合運用，採用代際更新的方式，逐步形成向決策支援方向發展的完整體系。

馬克能夠從圖像、文字或者多維影像資料中取得資訊並進行辨識決策。目前，馬克被應用於產物保險影像（汽車與手持裝置）的及時輔助核損，與人壽保險醫療文件光學字元（診斷證明書與單據明細表）、保單健診與醫療檢測影像（X 光片與核磁造影）的自動識別。

馬克能夠認知並理解人類語言中的符號關係，並能藉由學習取得專業領域的綜合分析能力。目前，馬克被應用於人壽保險的理賠自動化，由非結構化的診斷內容、處置意見與醫生囑言中擷取能作為理賠依據之國際疾病分類、手術代碼與日期區間等訊息並進行初步決策。

洽吧智能致力於創造馬克於金融領域應用的無限可能。截至 2020 年止，馬克的周邊發明包含風險管理擴增智能、區塊鏈簽證適應性優化、洗錢防制 / 客戶訊息識別（認識你的客戶；KYC）文字探勘與反金融詐欺等。

企業願景：創造未來

作為一間創新型企業，洽吧智能時常領先思考未來的下一步。不斷自我挑戰、也激勵客戶，以創造出適宜的方案，不只要解決當今面臨的問題與挑戰，並期許所提供的服務與設計在未來仍具有競爭優勢。





BravoAI Co., Ltd.



BravoAI
洽吧智能股份有限公司

President	Shih-Lung Chao (Jack)
Address	13F., No. 1, Nanhai Rd., Zhongzheng Dist., Taipei City 100, Taiwan (R.O.C.)
Established Date	Mar. 31, 2017
Business Category	AI-based computer software and related services for financial institutions
Capital	NT\$13,000,000

"Arms Dealer" for Insurance Companies.

Founded in 2017, BravoAI Co., Ltd. is a Taiwanese financial technology (FinTech) company with headquarters in Taipei. It develops, manufactures, licenses, supports, and sells computer software and related services for financial institutions. Currently, BravoAI is the leading supplier of insurance technology (InsurTech) in Taiwan. Its best-known software products are fully self-developed artificial intelligence (AI) solutions for both life and property insurance industry. The software as a service (SaaS)/ local data center-based services include not only standard products in underwriting and claim process automation, but also accurate risk models for adaptive loss control.

BravoAI is formed by a passionate team of data scientists and software engineers as well as leading edge computing researchers. This company aims to provide state-of-the-art machine learning (ML)/ deep learning (DL) based computer vision (CV) and

natural language processing (NLP) engines to help insurance companies solve their most challenging business problems. It strives to be an integral partner and stakeholder with its customers. Up to now, BravoAI has made significant headway and remains determined to be a global brand that customers recognize.

Mark, The financial AI of Omnipotent.

Similar to Watson of IBM, Mark is a general-purpose financial AI developed by BravoAI in 2018. Mark is the world's first integrated computer system which is consolidated with CV, NLP, optical character recognition (OCR), and data mining as well as advanced open domain ML/DL application cores. By the comprehensive crossing of neuron network (NN), algorithms, cloud computing and big data, Mark is able to iterate quickly for becoming an intact system of decision support.

Mark is skilled in fetching information from images, texts and multi-dimensional visual data. After recognizing the details, Mark is able to make precise decisions. So far Mark has been widely applied to automatic settlement of insurance claims such as the defect detection in vehicles and mobile phones, OCR for copies of diagnoses certificate and receipt from hospitals as well as insurance policies, and medical image such as X-ray and MRI films.

Mark is also good at perceiving and understanding the semiotic relations in human languages. Moreover, he is able to acquire the professional skills of integrated analysis by training and emulating. Mark is currently proficient in interpreting unstructured data such as diagnosis, doctor's comments and medical orders. To be specific, Mark is expert in translating the paragraphs into the coding systems of surgery and International Classification of Diseases (ICD) as well as making preliminary settlement decisions of insurance claims.

BravoAI is devoted to exploiting the endless possibilities of Mark in financial applications. Up to 2020, Mark's capability has included augmented

intelligence for risk management, adaptive optimization for blockchain signature authentication, text mining for anti-money laundering (AML)/know your customer (KYC) process, and anti-fraud for online transactions.

Vision of BravoAI: Make Future.

As an innovative enterprise, BravoAI is driven to seek what's next. To challenge itself and its clients to create solutions that solve challenges today—and give them a competitive edge in the future.





微型企業組
金質獎

膜淨材料股份有限公司



- 負責人** 張旭賢
- 地址** 桃園市龍潭區高楊南路 238 巷 89 弄 20 號
- 電話** (02) 7751-5325
- 公司網址** <https://www.facebook.com/mbranfiltra>
<https://www.mbranfiltra.com>
(2020 年底上線)
- 成立日期** 2019 年 7 月 4 日
- 營業項目** 1. 中空纖維薄膜材料
2. 攜帶式除菌淨水壺、濾心
3. 水龍頭式除菌濾水器與濾心
- 資本額** NT\$7,500,000

高通量微過濾薄膜 研發製造專家

膜淨材料股份有限公司成立於 2019 年，由碩博士所組成的研發團隊擁有扎實的學術理論基礎，專注於膜過濾材料的研究和開發，從事研發和生產微過濾中空纖維薄膜產品，期盼為客戶解決各種複雜的過濾和淨化問題。透過獨家開發的相轉換 NTV-IPS 技術製造具有不對稱孔隙結構且可自我支撐的微過濾 (MF) 薄膜，更可客製化多種不同材料，如親水性的聚醚砜 (PES)、聚醯胺 (PA) 與疏水性聚偏二氟乙烯 (PVDF)、聚丙烯 (PP) 等，可利用在除菌、海水淡化、廢水回收各式場景，以滿足高度多樣化的市場需求，可靠的微過濾膜產品及其組合並將這些絲膜供應給過濾模塊製造商或筒式生產商，以將其納入其最終產品中。

膜淨材料生產各種微過濾中空纖維薄膜 (HF)，適用各種行業，主要以親水性與疏水性兩大類薄膜為主，分別可用於飲用水過濾與薄膜蒸餾 (海水淡化、廢水回收)，其中具有 0.2 微米孔洞的親水性微過濾中空纖維薄膜，流速更高出一般 0.1 微米超濾

膜 3 倍以上，不需電力即可有效隔絕細菌、微生物與塑膠微粒，輕鬆獲得乾淨的飲用水，有效輕量化成為高效率的隨身濾心，提升大眾取用免費飲用水的意願與信心，同時降低使用瓶裝水所產生的一次性塑膠垃圾與飲用水碳足跡，以邁進聯合國永續發展第六項「希望達成人人都可以享有水且取得安全、負擔得起的飲用水」之目標，並透過改良的綠色製程減少水汙染，進一步提升水的使用效率。

高流速中空纖維濾材構成最小微型化攜帶式隨身濾心

● MF-PES 中空纖維薄膜

我們的 MF-PES 中空纖維薄膜具有高度不對稱的孔洞結構，這是使用我們獨特的製造工藝，我們在膜的孔洞結構中構建多功能特性層次，具有較高的污垢負載能力，與對稱膜相比，可提高過濾性能，提供更高的壽命和更高的流速。這些不對稱孔洞結構在高選擇性過濾特性和高通量之間提供了完美平衡，並且通量屏障達到最小化。MFPES 中空纖維薄膜可提供 0.04 至 0.4 μm 的各種孔徑，以滿足許多不同特定應用的要求。特點 1. 高流速；2. 高污垢負載能力；3. 高度不對稱孔洞結構。

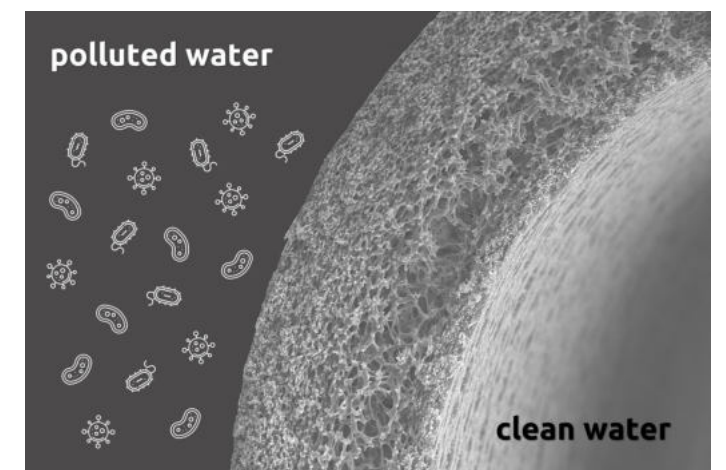
● PES 中空纖維膜隨身濾心

我們的 PES 中空纖維膜濾心是行業領先的產品，具有獨特的阻隔細菌和微塑料的能力。膜的水流速比其競爭對手快 3 倍。由於我們的便攜式無電設計，您可以隨時隨地獲得清潔，可飲用水。膜淨讓您無懼發現未知。特點 1. 不用電；2. 除菌；3. 流速快。

未來願景：臺灣研發、臺灣製造；為臺灣薄膜材料創造國際級市場

膜淨材料團隊成員自求學時期以來，就跟多孔過濾材料結下不解之緣，除了在研究材料的過程中發表了超過 20 篇的學術期刊，在學研領域有了很多創新創意的想法和成果。而多年在薄膜領域深耕的經驗，也讓團隊發現臺灣過濾產業中，上游薄膜材料的製造缺口遲遲無法補上，只能仰賴進口，國內業者急需自行開發，降低經營成本，為此，膜淨材料團隊致力於研發臺灣製造且高品質的薄膜，成果可補足國內關鍵上游缺口技術，以臺灣研發、臺灣技術、臺灣製造為理念基礎，輔以環保溶劑、無毒材料、綠色製程，成為臺灣第一個業者投入之上游微過濾 0.2 微米以上之中空纖維薄膜材料之生產。

膜淨材料從事研發和生產微過濾中空纖維薄膜產品，累積了超過 15 年的研究經驗，於該領域處領先地位，製造出最高效的過濾材料，流速快加上攜帶式的設計，相當適合在戶外登山活動與旅遊等時機使用，不論在哪裡，都能給您安心水質。





Mbran Filtra Co., Ltd.



President	Hsu-Hsien Chang (Green Chang)
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Tel	+886-2-7751-5325
Website	https://www.facebook.com/mbranfiltra https://www.mbranfiltra.com (2020 年底上線)
Established Date	Jul. 4, 2019
Business Category	Hollow fiber membrane 、portable filter 、Water filter
Capital	NT\$7,500,000

High flux microfiltration membrane R&D and manufacturing expert.

Mbran Filtra is established in 2019 focus on membrane filtration materials study and develop. Mbran Filtra produces a broad range of microporous membranes for use in various industries. Our hydrophobic and hydrophilic membranes are made from a variety of materials, such as poly ether sulfone (PES) , Poly amide (Nylon) ,poly vinylidene fluoride (PVDF) and poly propylene (PP), to meet highly diversified market requirements. Mbran Filtra supplies these membranes to filtration module manufacturers or cartridge producers to incorporate into their final products. Our production technology and controls allow us to fabricate self-supporting Micro Filtration (MF) membranes. By casting an asymmetrical pore structure using the NTV-IPS process, Mbran Filtra produces a reliable portfolio of microfiltration membrane products.

Mbranfiltra is dedicated to the research and

development of various membrane materials. The research team is composed of Ph.D., ensuring a solid foundation in scientific theories. Our exclusive NTV-IPS process to form asymmetrical porous structures to customize a reliable portfolio of microfiltration membranes ex, hydrophilic PES. Our PES hollow fiber membrane is an industry-leading product that is unique in its ability to block out bacteria, microplastics. The water flow rate of the membrane is 3 times faster than its competitors. Due to our portable and electricity-free design, you can get clean, drinkable water anywhere and anytime. Mbranfiltra lets you discover the unknown without fear.

High-flux hollow fiber porous membrane for the smallest miniaturized portable filter.

• MF-PES hollow fiber membrane

Our MF-PES hollow fiber membrane is made from polyethersulfone polymer. Using our unique manufacturing process, we build multifunctional properties or layers into the pore structure of the membrane. It is important to point out that these layers are created with one manufacturing step. MFPES hollow fiber membrane is available in a wide range of pore sizes from 0.04 to 0.4 μm to meet the requirements of many different specific applications. The highly asymmetric pore structure of our MFPES hollow fiber membrane offers a high dirt loading capacity, increasing the filtration performance to give higher throughputs and higher flow rates than symmetrical membranes.

1. high flow rate
2. high dirt loading capacity
3. highly asymmetric pore structure

• PES hollow fiber membrane portable filter

Our PES hollow fiber membrane filter is an industry-leading product that is unique in its ability to block out bacteria and microplastics. The water flow rate of the membrane is 3

times faster than its competitors. Due to our portable and electricity-free design, you can get clean, drinkable water anywhere and anytime. Mbranfiltra lets you discover the unknown without fear.

1. electricity-free
2. block out bacteria and microplastics
3. high flow rate

Future vision: R&D in Taiwan, made in Taiwan; use our membranes to create an international market.

Mbran Filtra team is committed to the research and development of high-quality membrane made in Taiwan. The results can make up for the key upstream gap technology in Taiwan. Based on the concepts of Taiwan R&D, Taiwan technology, and Taiwan manufacturing, supplemented by environmentally friendly solvents, non-toxic materials, and green manufacturing processes, it becomes that in Taiwan the first manufacturer to invest in the production of upstream microfiltration hollow fiber membrane materials above 0.2 microns.





微型企業組
金質獎

世創生物科技股份有限公司



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傳真 (03) 562-0861
公司網址 <https://www.enosim.io>
成立日期 2017 年 5 月 1 日
營業項目 仿生嗅覺、電子鼻、呼吸分析儀
資本額 NT\$10,015,000

數位嗅覺專家

世創生物科技是由清華大學電子鼻團隊所衍生的新創團隊，2017 年成立前，已累積超過十年的前瞻技術的研發能量。世創的初衷是發自一群年輕學子，想將自己所學的仿生嗅覺技術進一步商品化，並立志成為仿生嗅覺領域的獨角獸企業，並在清華悉心的創育撫育下，身體力行科技創業的結晶。其核心技術具備非侵入式、精準、強健性等特點。核心能力包含數位嗅覺系統整合，涵蓋適用氣體感測的人工智能及機器學習演算法、資料處理和分析、奈米材料科學和系統晶片技術，結合物聯網雲端服務，進行核心商品開發和提供不同領域客戶技術整合的一站式開發服務。目前產品和服務已實際導入特殊場域毒氣偵測、農業製程監控，並投入高端的呼吸快篩。

世創團隊秉持專業、誠懇、務實、努力的「世創」企業文化，獲得天使、創投肯定和早期資金挹注。世創正一步一腳印的蒸蒸日上！

甚麼是仿生嗅覺？

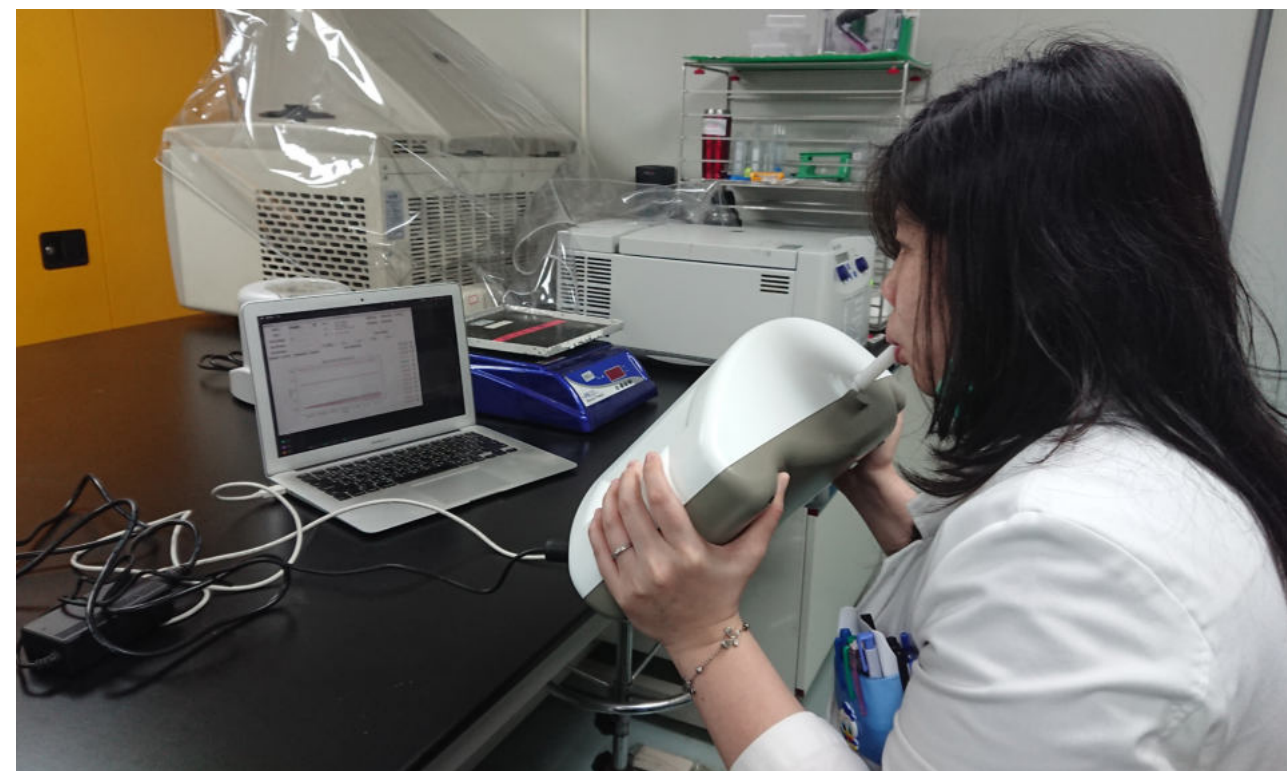
嗅覺是人的主要感官知覺之一，在 2004 年的諾貝爾獎得主中，生理醫學獎是由 Richard Axel 和 Linda Buck 兩位學者，因著對「氣味受器和嗅覺系統之組織」的研究而獲得，更由此可見對嗅覺研究的重要性。相較於傳統的氣體感測方法，電子鼻不是採用一種感測器對應一種氣體的辨識方式，就如同哺乳動物的嗅覺，不是利用一個味覺感測器來感知一種氣味，而是用多個感測器組合成一個陣列，這個陣列中的感測器共同對某種氣味進行辨識與感測的工作，而每一種不同的組合則代表感測一種不同的氣味。由於排列組合的方式可以有許多的變化，因此哺乳動物能辨別大量不同的複雜氣味，並且避免誤報。而又與傳統的氣體分析儀器，如氣相層析儀 - 質譜儀和傅里葉轉換紅外光譜相比，世創仿生嗅覺系統更容易操作，並且容易微型化。

世創六分儀是該公司開發第一個電子鼻創新試驗平臺。結合自開發軟體、雲端技術，世創六分儀具備快速評估應用可行性，並快速進行產品優化，減少創新開發到市場佈署的時間！

世創的未來願景

世創期盼成為仿生嗅覺的領頭羊，建立雲端呼吸雲的服務與應用，成為臺灣出發的仿生嗅覺獨角獸公司。為此，世創仍在尋找並建立合作的可能性和渠道，包含：

1. 生物醫學應用的投資和研究資金
2. 臨床試驗合作夥伴
3. 銷售渠道
4. 新的應用和業務





Micro-enterprise
Category
The Gold Award

Enosim Bio-tech Co., Ltd.



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Fax +886-3-562-0861
Website <https://www.enosim.io>
Established Date May. 1, 2017
Business Category Artificial olfaction, Electronic
nose, Breath analyzer
Capital NT\$10,015,000

Digital Olfaction Expert

Enosim Bio-tech is a start-up company to develop the artificial olfaction system. We have dedicated ourselves in related research and system development for more than ten years. The company is spin-off from the NTHU electronic nose research team since 2017. We desire to commercialize the research to product and wish to become a digital olfaction unicorn company. Currently, the products have been applied for fast disease screening by breath, environmental monitoring and agricultural application. The artificial olfaction system is easily affected by environmental factors and manufacturing variations. For outdoor applications, environmental constraints, calibration for accurate readings, low power communication all have to be taken into consideration. Enosim Bio-tech still focuses on state of the art of odor sensing technology and application. The company has acquired the investment from angel and VC at early stage. We believe we can provide you solid solution for your interest in gas sensing applications.

What is Artificial Olfaction?

Compared with the traditional gas sensing method, artificial olfaction does not use a single sensor, instead of using multiple senses to classify a gas. The sensors are combined into an array for odor recognition, and each of the different combinations represents a different odor. Furthermore, compared with traditional gas analysis instruments, such as gas chromatography-mass spectrometry (GC-MS) and Fourier-transform infrared spectroscopy (FTIR), the artificial olfaction is easier to operate and easy to miniaturize.

Enosim SEXTANT is the first experimental artificial olfaction platform. With the self-development software, SEXTANT has the ability to quickly evaluate the feasibility of new application, then product optimization in a short time to reduce the time to market.

Future Scope of Enosim

Enosim looks forward to becoming the leader of bio-inspired smell, and also becoming a Taiwan startup unicorn in the future. Moreover, we desire to build up the BREATH CLOUD of service and application in the future. Therefore, Enosim bio-tech is still looking for the opportunity, including:

1. Investment and research funding for biomedical application
2. Clinical trial partner
3. Sales channel
4. New application and business





春發成實業有限公司



PINPU BLACK PIG

平埔黑豬

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- 電話 (08) 732-3130
- 公司網址 <https://www.facebook.com/taiwan.pinpu.pig/>
- 成立日期 2016 年 4 月 25 日
- 營業項目 黑豬飼育、生鮮肉品及加工品
- 資本額 NT\$16,000,000

為臺灣黑豬留種

「春發成實業有限公司」前身為「春發成畜牧場」，以【為臺灣黑豬留種】為使命。臺灣原生黑豬經過多世代雜交混種無一標準體態，目前坊間只有毛色為黑即俗稱臺灣黑豬，以致基因血統不純導致黑豬生長不一，肉質變化亦大。春發成所育種【平埔黑豬】利用生物科技技術鑑定找回臺灣原生品系，讓物種不滅，為了找回消費者記憶中懷念的黑豬美味，遂成立「畜穀農產有限公司」，並通過屏東縣政府甄選並進駐「屏東職人町」，透過實體店面佐以溫暖美味的肉燥飯、燒肉飯等熟食，小家庭份量分切生鮮肉品新鮮且精緻，傳遞職人匠心精神與黑豬育種復興的使命。



生技永續保種與科技智慧管理雙軌並進

1. 國內黑豬原生品種因歷經百年殖民雜交混種導致國內黑豬品種雜亂，育種歷經 12 年與臺灣大學長期合作篩選牧場黑豬族群結構，建立純種黑色種豬群（定名為平埔黑豬），不再由外場引進血緣不純正的黑豬，逐步建立系譜，將資料建置在臺灣官方畜產種原資訊網，並有效率建立生產與繁殖性能資料，以黑豬群微衛星遺傳標記結構分析，且進行種公豬精液性能分析與冷凍精液製作以利保種，所孕育出【平埔黑豬】豬種經基因選種後，種豬外貌特徵有其一致性，2018 年開創臺灣黑豬出口里程碑，目前為臺灣唯一執行原生黑豬經基因定序及科學篩選黑豬牧場。
2. 豬場管理科技化：提供科技化控溫的生長環境，定期清洗，記錄豬隻生長情形，將科技業習以為常的 PM 導入傳產養豬產業。開發遠端控制系統與電動設備，融合新科技、物聯網的現代豬舍，即使人在外地也能精確管理即時狀況。
3. 深耕農業人才培育：藉由黑豬育種系統建立，培育大學生共同參與，早期立定志向、提高職場專業性。現進入以農立校的「國立屏東科技大學動物科學與畜牧系」就讀，增加國際交流經驗，並將成功經驗分享給培力人才，共同經營永續牧業。
4. 營運創新性：傳統畜牧業導入生物科技技術，並推動黑豬基因定序，加速臺灣黑豬育種及保種，讓平埔黑豬為臺灣留下一個種，並延伸至人力培育與文化體驗，逐漸導入智慧農業，讓生產管理創新轉型。
5. 隨時尋找產品或服務痛點與因應策略，以貼進消費者的需求為職志，創造不可被取代的競爭優勢。



平埔黑豬邁向國際的復興之路

臺灣原生黑豬種原並未有完整育種系統，導致民間飼養者找不到適當黑豬，使得生產成本大增，協助黑豬戶共同建立育種系統，願意以大農帶小農的培育責任，成為臺灣黑豬界的領頭羊。

臺灣【平埔黑豬】為失落的一群，本場歷經 12 年育成，即將完成最後階段「品種命名」，2018 年首度出口消息轟動畜產業，也開啟黑豬外銷大門，更奠定黑豬業者的願景，參與過程學生也更確定了志向，在執行黑豬復興運動的使命時，期許能為在地帶來社會影響力。

百味魂



PINPU BLACK PIG
平埔黑豬

Micro-enterprise
Category
The Gold Award

Pin-Pu Farm Corp.



PINPU BLACK PIG

平埔黑豬

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Tel	+886-8-732-3130
Website	https://www.facebook.com/taiwan.pinpu.pig/
Established Date	Apr. 25, 2016
Business Category	Black pig breeding, selling fresh meat and processed products
Capital	NT\$16,000,000

The social influence of breeding Taiwanese black pigs.

CHUN FA CHENG ENTERPRISE CO., LTD originated from CHUN FA CHENG FARM. Our mission is to preserve the breeds of Taiwanese black pigs. Taiwanese native black pigs have no standard posture after cross-breeding for multiple generations. At present, pigs with black fur are called Taiwanese black pigs. Because of their impure genetic pedigree, black pigs have inconsistent growth conditions and large changes in pork meat quality. Taiwanese native black pigs have no standard external characteristics after cross-breeding for multiple generations. At present, pigs with black coats are called Taiwanese black pigs. Because of their impure genetic pedigree, the growth status of black pigs is inconsistent and the quality of pork varies greatly.

The Ping-pu black pigs we breed are found through biotechnology identification. In order to retrieve the delicious black pork that consumers miss, we established "XU GU AGRICULTURAL CO., LTD." through the approval of the Pingtung County Government Selected and stationed in "Pingtung

Craftsman Town", we sell warm and delicious minced pork rice and other cooked food through a physical store, and provide suitable portions of fresh meat to small families. We want to convey the spirit of craftsmanship and the mission of black pig breeding revival.

Dual-track development of sustainable biotechnology breeding and smart technology management.

1. Taiwan's native black pig breeds have been mixed for a hundred years, resulting in a messy breed. After 12 years of black pig breeding and screening, we have long-term cooperation with Taiwan University to establish a purebred black pig group (named Ping-pu Black Pig). We no longer bring in black pigs with impure pedigrees from outside, and gradually establish a genetic pedigree, and build the data in the Animal Genetic Resources Information Network in Taiwan. We efficiently establish the breeding and reproductive performance data of Ping-pu black pigs, and conduct genetic analysis of black pigs.

We analyze the semen performance of breeding boar and retain frozen semen.

Our Ping-pu black pigs have the same appearance characteristics after genetic selection.

In 2018, we reached a milestone in the export of Taiwanese black pigs and became the only native black pig farm in Taiwan that has been genetically sequenced and scientifically screened.

2. Technological pig farm management: We provide black pigs with a technologically controlled temperature-controlled growth environment, and regularly clean and record the growth of black pigs. We apply project management to the traditional pig industry. We develop remote control systems and electric equipment, and build a modern pig house that combines new technology and the Internet of Things, so that people can accurately manage

real-time conditions even when people are away.

3. Cultivate agricultural talents in depth: We have established a black pig breeding system to allow college students to participate together and improve professional capabilities. The company's general manager is currently studying in the Animal Science Department of National Pingtung University of Science and Technology. We hope to increase international exchanges of experience and allow the sustainable development of animal husbandry.
4. Innovative operations: We apply biotechnology to traditional animal husbandry, and promote genetic sequencing of black pigs, accelerate the breeding of Taiwan black pigs, and let Ping-pu black pigs leave a source for Taiwan. We cultivate manpower and strengthen cultural experience, and gradually transform into smart agriculture, so that production management can be transformed by innovation.
5. We are always looking for the pain points of products or services and corresponding strategies to meet the needs of consumers and create an irreplaceable competitive advantage.

Pingpu Black Pig's road of revival towards the international market.

Taiwan's native black pig breeders have not established a complete breeding system. As a result, farmers in the pasture cannot find suitable black pigs and increase production costs. We are willing to assist black pig farmers to jointly establish a breeding system. We hope to become a leader in the black pig breeding industry in Taiwan.

Our company has been breeding Taiwanese Ping-pu black pigs for 12 years and is about to complete the final breed naming. In 2018, the news of our first export of black pigs also shocked the pig industry. We let the black pig industry see the vision and let the students who participate in the cooperation determine their aspirations. We hope that the revival movement of Taiwanese black pigs can bring social influence.



微型企業組
金質獎

絢麗光電股份有限公司



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公司網址 <https://www.brilliantoptronics.com>
成立日期 2017 年 11 月 28 日
營業項目 液晶智慧窗戶技術開發
資本額 NT\$25,224,172

學研新創：結合強大學術研發 能量解決智慧窗戶市場關鍵挑戰

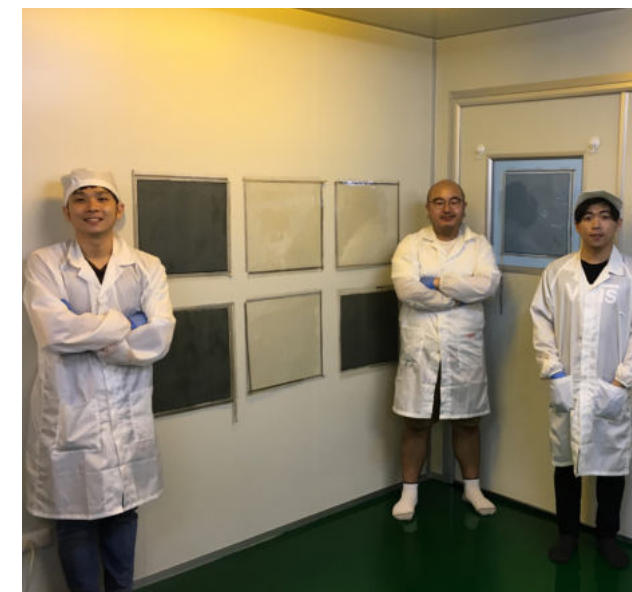
智慧窗戶可隨著使用者需求調整功能，藉由調製光線中的能量，更有效地節省照明與空調系統的使用，可創造人類更便利、更直覺地節能新生活習慣，被認為是相當有潛力的新科技，然而，未標準化的玻璃尺寸與多樣的功能需求為此領域帶來極大的挑戰，本公司即結合學術研發能量，針對現有挑戰，發展出各種多功能與高光學品質之液晶智慧薄膜產品，除了解決關鍵問題，更創造客製化液晶材料開發、小尺寸產品應用、技術解決方案與共享玻璃等新商業模式。

本團隊是由目前臺灣規模最大的液晶技術學術團隊：國立中山大學液晶光電實驗室所成立，有超過 10 年的先進液晶技術開發經驗，發表超過 90 篇學術論文，在 2017 年底技術突破後，團隊陸續獲得科技部創業傑出獎、光寶創新獎金獎、國家新創獎與國際 CES Innovation Awards 等大獎，目前已獲證 12 篇國內、外發明專利，並獲國立中山大學與策略合作夥伴青睞完成技術授權與現金投資，正全力專注於技術量產驗證。

新型多功能液晶智慧窗戶 薄膜技術

根據 Applied market Research 的市場調查報告，智慧型窗戶的市場價值預估將在 2022 年成長到 68.6 億美元，目前成熟的包含懸浮粒子窗戶與電致變色窗戶技術雖然可以提供良好的調整對比，但是非標準化的玻璃尺寸使得成本居高不下，而遮蔽式液晶窗戶雖然成功提出薄膜形式的智慧窗戶技術，大幅地降低生產與安裝成本，但其製作工法使產品無法保有良好的光學品質與功能性，也限制其應用的價值。

本公司之多功能智慧窗戶薄膜可以被自由裁剪、直接貼附於不同材質、尺寸之玻璃上，並可以藉由智慧型手機中的 Wi-Fi、藍牙等遙控技術進行控制，直接地加值一般玻璃，提供使用者透明、隔熱、遮蔽與影像顯示四種功能的選擇，解決現有技術之功能單一且置換玻璃成本過高的產業困境，可廣泛地被應用至建築、汽車玻璃與廣告等領域。



● 短期計畫

1. 客製化液晶智慧窗戶功能解決方案
2. 利基市場與小尺寸產品銷售

● 中期計畫

1. 大尺寸連續式生產驗證
2. 大型展示場域與測試

● 長期願景

1. 智慧型窗戶薄膜量產整體解決方案
2. 共享窗戶空間之心商業模式



Brilliant Optronics Co., Ltd.



Spin-off Company from University : Solve the key problem in smart window applications based on strong R&D ability

The smart window can be actively controlled between several functions as the user's need. The convenience of modulating light and heat can effectively save power consumption from lighting and air conditioning systems. It creates a convenient and comfortable new lifestyle and be considered as a potential novel technology. However, non-standard size of window and the requirement of various functions bring considerable challenges in this field. Brilliant Optronics (BO) develop several different novel smart windows "film" with multifunction and high-quality performance based on our strong R&D ability. In addition to solve the key problem in smart window applications, BO create several new directions for smart window including customize function, niche market for small-size application, and sharing window business model.

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Established Date	Nov. 28, 2017
Business Category	Liquid Crystal Smart Window Technology Development
Capital	NT\$25,224,172

BO is established by the Liquid Crystal (LC) Photonics laboratory from National Sun Yat-sen University (NSYSU) which is the largest LC technology academic team in Taiwan. We have more than 10 years of experience in the development of advanced LC technology and published more than 90 scientific papers (including Nature Materials, Nature Communications, and Advanced Materials). After a technological breakthrough at the end of 2017, we successively received the Entrepreneurship Excellence Award, Lite-On Gold Award, National Innovation Award, and International CES Innovation Awards. Also, 12 related invention patents are granted. After the small size verification is completed, we successfully obtained the technology authorization and investment from NSYSU and strategy partners and currently focused on the production verification.

Novel Multi-function Smart Window Film Key Technology Development

According to the market investigation from Applied Market Research, the market value of the smart window will increase to 6.86 billion USD in 2022. Although commercially available products (Electrochromic and SPD) can provide an excellent tunable range for users, the high cost from glass replacement brings giant challenges. The PDLC smart window "film" significantly decreases the cost from production and installation; however, the unsatisfactory optical performance from the film fabrication process also limited the development and value.

BO's multi-function smart window film can be directly laminated onto the existing window. It will become electrically switchable between transparent, tinted, privacy protection, and image display states. The remote control is easily achieved by connecting with WiFi, Bluetooth, etc. It overcomes the major challenges of current smart windows, including single function and the high cost of glass replacement. It can be widely used in construction, automotive glass, and advertising.

• Short-term plan

1. Customized LC smart window function and materials solution
2. Small-size product for niche market applications

• Mid-term plan

1. Large-size smart window film production verification
2. Demonstration of large-size smart window film

• Long-term vision

1. Total solution for mass production of smart window film
2. Promotion of novel shared window business model





昌泰科醫股份有限公司



COMGO

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成立日期 2015 年 7 月 3 日
營業項目 心血管 AI 量測儀
資本額 NT\$28,300,000

落實預防醫學促進健康管理， 創造社會大眾健康與生活福祉

昌泰科醫股份有限公司成立於 2015 年 7 月，著眼於少子化以及高齡化社會的來臨，居家自我健康管理、預防醫學甚至遠距離照護的推展就越形重要，因此昌泰科醫成立時，即以適合居家自我健康管理使用的『AI 健康量測裝置』並整合『雲端 AI 健康管理平臺』作為產品發展的方針。產品與服務的發展融入醫學原理、預防醫學的概念，期望可以廣泛應用在個人、家庭、企業的健康管理，乃至於輔助醫療、照護機構的臨床照護。此外近幾年通訊技術與大數據分析技術快速發展，相關技術被應用在各個領域進行資訊蒐集後的分析預測與深度應用。公司亦結合物聯網、大數據以及雲端 AI 運算技術，深化個人健康管理的效能並整合眾人的個人健康管理的資訊轉化為全民預防醫學的重要後盾，期望在醫療與照護領域可以做出專業的貢獻。

以預防醫療為使命：打造全世界最迷你的心血管 AI 量測儀

本公司與三總、振興、長庚等療院所具有良好的合作關係，因此深入了解心血管疾病對健的影響以及預防管理的重要性，經過研究市場個人健康量測裝置未有以心血管健康為訴求的產品，因此研發團隊設定，包含『心血管狀況及生理訊號量測管理』、『符合醫學原理』、『量測具良好準確性』、『長期監控與管理』等設計原則目標，投入核心產品『COMGO 心血管 AI 量測儀』的研發。

產品的研發包含心血管 AI 量測儀硬體裝置、使用者健康管理 APP、雲端 AI 演算平臺三大部份。研發過程遇到許多技術問題，如人的生理訊號極為微弱，因裝置設計為小體積、輕量化的設計，電路板必須進可能縮小，因此對於生理資訊的量測與判讀產生極大的雜訊以及波形無法準確呈現等等問題；演算分析技術需要大量數據輔助發展並需要臨床驗證等等。所幸問題在團隊群策群力之下都能夠一一解決完成任務。

國內外市場具有下列優勢：

1. 為市場唯一以專業心血管管理並結合預防醫學設計的產品；
2. 可以量測與心血管有關完整生理資訊並演算出血壓與心律不整狀態的產品；
3. 為非醫療自主管理使用市場唯一具備心血管彈性與趨勢分析功能的產品；
4. 包含醫療與非醫療使用市場唯一具備血管疲勞程度、血液濃稠程度的量測裝置；
5. 結合醫學電子工程與雲端 AI 演算技術，可以有效量測與分析管理心血管各種狀態，防止血管堵塞以及其他異常問題發生。



完美結合健康、人工智慧 AI 與雲端三大領域，於預防醫學上開創先機

108 年「COMGO 心血管 AI 量測儀」正式上市發表，即取得銷售逾 450 台且營業額近五百萬元之佳績，符合原預定目標。在 109 年度，全年預計銷售量將突破 2,000 台，且本公司今年預計完成第二輪增資計畫，充實資本；並預計今年推出醫療器材品項取得 TFDA 之二類醫療器材認證，充實產品線、擴大市場；研發方面，運用本身心血管領域專業展開失智量測儀器之研發，為擴展下一代戰力作準備。同時，已與國內知名大學及優質廠商洽談合作，將開設國內首座示範智慧健檢中心及聯合診所，預計第四季可開始商轉。



Giant Power Technology Biomedical Corp.



COMGO

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Established Date Jul. 3, 2015
Business Category Cardiovascular AI Measurement Device
Capital NT\$28,300,000

Implementation of preventive medicine to promote health management brings about public health and well-being in society.

Giant Power Technology Biomedical Corp. was founded on July 2015. As we face the era of an aging society, health self-management at home and preventive medicine has become increasingly important. When the company was founded, it started developing products based on "Cloud AI Health Management Platform" that is integrated with the "AI Health Measurement Device" product which is designed for health self-management at home. The company's products and services incorporate medical principles and the concept of preventive medicine, and aims to expand their use scope for personal health self-management and health self-management in families and businesses; they can also be used to aid clinical treatment in medical and nursing establishments. With the rapid development of communication techniques and big data analysis over the past few years, related techniques have been used at various scopes to collect and analyze data, which are then used for prediction and deep learning. The company integrates the Internet of Things (IoT),

big data, and cloud AI computing techniques to further enhance the effectivity of personal health management. It also acts as an important support in universal preventive medicine through transformation and integration of personal health information. The company aims to provide professional contribution in medical and nursing sectors.

Taking preventive medicine as a mission: Creating the world's smallest AI Cardiovascular Measurement Device.

The company partners with various hospitals (Tri-Service General Hospital, Cheng Hsin Hospital, Chang Gung Memorial Hospital, etc.). Due to this, the company has gained a better understanding on the effects of cardiovascular disease on our health, as well as the importance of cardiovascular disease prevention and cardiovascular health management. Through market research on personal healthcare devices, there are no products related to cardiovascular health measurement devices available in the market yet; therefore, an R&D team was set up to develop the company's core product: COMGO Cardiovascular AI Measuring Device, with the design goals of:

- managing cardiovascular health condition and biological signal measurements
- conformity to medical principles
- high accuracy of measuring device, and
- long-term control and management

The product development is composed of three major parts: cardiovascular AI measuring device (hardware), user's healthcare management app (software), and cloud AI computing platform. There have been numerous technical problems encountered during development, such as:

1. Weak biological signals
 Since the device is designed to be small in size and light in weight, the size of the circuit board has to be reduced as far as possible, therefore noise can occur during measurement and analysis of biological signals. As a result, the waves cannot be displayed properly.
2. Development of analysis algorithm requires a huge amount of data
3. The need for clinical testing and approval, etc.

Through teamwork, the above problems can finally be resolved.

This product has a number of advantages in the market, both local and overseas:

1. It is the one and only product that uses professional cardiovascular management to integrate preventive medicine concepts.
2. It can measure complete biological signals of the cardiovascular health system, and calculate blood pressure and irregularities in the heartbeat.
3. It is the one and only non-medically regulated product that can analyze blood vessel elasticity.
4. It is the one and only medical and non-medical device in the market that has the ability to measure blood vessel fatigue and blood thickness.
5. It integrates medical electronics and cloud AI computing techniques, and allows for effective testing and analysis management of various cardiovascular conditions, preventing blockage of blood vessels and any other problems from happening.

Completely integrates health, AI, and cloud to become a pioneer in preventive medicine.

After COMGO Cardiovascular AI Measuring Device was officially launched in 2019, it achieved its goal of over 450 units in sales, and almost NT\$5 million in revenue. In 2020, the company expects sales of COMGO Cardiovascular AI Measuring Device to reach 2000 units. The company plans to complete its second round of capital increase plans this year. In addition, the company hopes to obtain a Class II Medical Equipment certification from Taiwan Food and Drug Administration (TFDA) by releasing a medical device, which will be the newest addition in the company's product line, expanding the market. In R&D, the company is using its expertise in cardiovascular health to develop a device to measure for Alzheimer's disease. At the same time, the company has negotiated with top universities in Taiwan and leading companies to form a collaboration, and will build Taiwan's first experimental smart health checkup center and clinic, which is expected to start its business transfer in Q4 of 2020.



評審特別獎
特別獎

台灣百應生物科技股份有限公司



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成立日期 2017 年 2 月 7 日
營業項目 生物氣體感測晶片、氣體感測器、
氣體感測即時監控系統
資本額 NT\$65,000,000

高靈敏度、高專一性、高耐用性的先進氣體感測產品

Calyx 是從加州大學柏克萊分校和勞倫斯柏克萊國家實驗室 (LBNL) 所衍生出來的公司，利用先進生物材料來製造低成本和高精度傳感器，用於實時檢測和分析空氣中的化學成分。此先進材料利用基因工程和化學修飾，提供高選擇性的傳感器來偵測空氣中的化學成份。Calyx 受到許多不同產業的廣泛關注，目前專注於碳氫化合物和有毒氣體的偵測——如氨氣、甲醛、苯等——作為打入初始市場的平臺。團隊已選定初始市場即為應用於動物農場的環境實時檢測，藉由監控場域內氨氣濃度和其他環境因素，來有效地提高飼料換肉率，幫助業主養出高品質的禽畜。

我們現在正在積極尋找客戶 / 合作夥伴進行場域試驗並希望和產業做進一步的產品整合

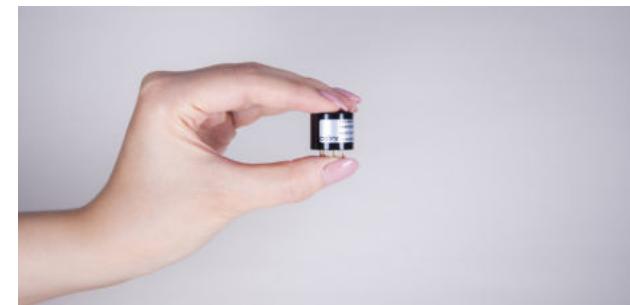
核心生物晶片技術的保護傘，拓展出 X、Y、Z 系列氣體感測產品

● 核心生物晶片技術

Calyx 藉由基因工程技術，嚴選出只能與目標感測氣體分子產生可逆反應的蛋白受體，並能使生物晶片因環境中不同氣體濃度的改變產生可見的顏色變化，提升目標氣體感測的專一性與靈敏度。配合研究人員的努力，Calyx 逐步建立起生物晶片氣體感測資料庫，目前有 6 種氣體感測模組，分別為氨氣、苯、乙醇、甲醛、甲苯、二甲苯，另外尚有 5 種氣體也正積極地開發中。

● X 系列氣體感測元件

X 系列是準系統模組氣體感測元件，採用產業工業標準規格尺寸來設計，可提供技術人員直接嵌入其現有產線系統中，因為核心生物晶片的特性，提供 X 系列在市場上的優勢，除了能提供



客製化目標氣體感測的需求生產，氣體感測模組開始上線運作後也無需定期校正，降低後續維護的成本。

● Y 系列感測監控系統

Y 系列是一組整合氣體感測與物聯網科技的系統，以模組化與使用者友善為宗旨的設計，提供使用客群依現場環境需求與狀況，選配不同的功能與系統架構，例如：不同的氣體感測元件、電池或直流電源、不同無線傳輸系統。透過 Calyx 的雲端監控平臺，技術人員能即時地監控感測場域的氣體濃度變化，適時地調整環境場域中的通風與換氣系統，提升生產效能、降低工業安全風險。

● Z 系列氣味分析儀

Z 系列是一種新興的氣味分析儀，專為複雜氣味所設計的儀器，透過模式識別和指紋識別，可檢測分析包含呼吸、食物、飲品、香氣等的複雜味道。團隊透過改良 X 系列感測元件，應用陣列感測模組，研發出 Z 系列氣味分析儀。



活用感測器，提升產業產能、改善環境安全

● 畜產養殖業

Calyx 以畜產養殖為主要市場利基，在各國的市場趨勢報告中，我們看到畜產養殖業，因為氨氣濃度、環境溫溼度、疾病與飼料，所面臨的養殖效能困境，其中高濃度氨氣造成美國肉雞產業的損失估計佔 20~40%，而顯著的經濟收益損失每年估計超過 USD 50 億元。

因此，Calyx 利用氣體感測器結合物聯網，開發能即時監控環境氨氣濃度、溫濕度變化的系統，使養殖場的人員能立即判斷並採取後續環境調整的措施。

● 冷鏈、冷凍倉儲

氨氣是一種無色且有毒的氣體，雖然其具有獨特刺鼻的氣味，卻極為容易使人嗅覺疲乏，在冷鏈、冷凍倉儲產業更是一種常見且非常有效的製冷劑，而現有市場上電化學感測器的技術，卻難以連續且即時地監測冷凍設備環境場域氨氣濃度的變化，必須定期更換感測器以維持效能，造成產業的成本提升，影響工業環境安全。



Special Award
Special Jury
Award

Calyx Biotechs, Inc.



Highly Sensitive, Selective and Robust Vapor Chemical Sensors

Calyx is a UC Berkeley and Lawrence Berkeley National Lab (LBNL) spin-off company harnessing the power of advanced bio-materials to make low cost and highly accurate sensors for real-time detection and analysis of air chemicals. Our materials utilize genetic engineering and chemical modifications to enable highly selective sensors for air chemicals. While receiving widespread interest from numbers of verticals, we are focusing on hydrocarbon, ammonia, formaldehyde gases, and aroma analysis as a platform to hit initial markets such as poultry farming and cold-storage warehouses.

President	Po-Jui Chiu (Ray)
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Tel	+886-2-2365-8520
Fax	+886-2-2365-8550
Website	https://calyxtechs.com
Established Date	Feb. 7, 2017
Business Category	Biomaterial-based Sensing Chips, Air Chemical Sensors, Real-time Sensing and Monitoring System
Capital	NT\$65,000,000

The Protection of Biomaterial-based Chips, Expanding to the Series of X, Y and Z

• Biomaterial-based Chip

Calyx uses genetic engineering technology to select the target protein receptors that can be reversible and make the biomaterial chip with visible color changes while sensing the concentration changing of the target gas molecule. It improves the specificity and sensitivity. Our researchers step-by-step establish the gas sensing database library. Currently, we have 6 gas types of sensing modules including ammonia benzene, ethanol, formaldehyde, toluene and xylene. Also, there are another 5 gas types are under developing and research.

• X-series Sensor

X-series offers the barebones module version of our sensors. It comes in industry-standard 4R form factor and is available for developers to integrate into embedded systems. Our biomaterial-based chips provide X-series the advantages in the sensing market. It could provide customized gas sensors and no need for calibration after operating, which helps potential customers to reduce the future maintenance fee.

• Y-series Measurement System

Y-series is a fully integrated system with gas sensing and IoT technology. It is designed for modularity and user-friendly. Users could choose different functions and systems according to their needs and environmental conditions, for example, different gas sensing modules; battery pack or DC power for supplies; different wireless transmission. Calyx Cloud Service supports the operators to real-time monitor gas concentration changes and allows them to immediately adjust the ventilation system. This system helps users to improve production efficiency and reduce the industrial safety risk.

• Z-series Aroma Analyzer

Z-series is a novel 'electronic nose' solution designed for the characterization of complex aromas. It utilizes the technologies of pattern recognition and fingerprint recognition to identify and analyze the complex aromas including breath, foods, drinks and aromas. Our team improve X-series Sensor and apply an array of sensing modules to develop Z-series Aroma Analyzer.



Utilize Sensors to Increase Industrial Productivity and Improve Workplace Safety

• Poultry Farming

Calyx sees poultry farming as our entry market. Ammonia monitoring is the challenge poultry farming faces in their daily operation. Existing gold-standard solution, electro-chemical based sensors don't provide dependable real-time solutions as it is 1) cost prohibitive, 2) inaccurate in high humidity, 3) lasts <1 month in NH₃-heavy environments. Failing to closely monitor NH₃ often results in more than \$240,000 USD yearly losses per farm. Calyx is entering this market through its proprietary vapor chemical monitoring solution, to help broiler farmers increase 20~40% net profit.

• Cold-storage Warehouses

Ammonia is a colorless and highly toxic gas with a distinctive smell that can lead to fatigue and workplace safety issues. It is also a very effective refrigerant for cold facilities. However, it is difficult for current Electrochemical (EC) Sensors to be functional under extreme conditions of cold facilities.



八結國際股份有限公司

六月初 June 1st
- 8 結蛋捲 -

負責人 施宏偉
地址 臺中市南區美村路二段 19 號
電話 (04) 2376-0082
傳真 (04) 2376-7107
公司網址 <https://june1.com.tw>
成立日期 2017 年 11 月 28 日
營業項目 8 結蛋捲、伴手禮
資本額 NT\$10,000,000

從心出發 顛覆傳統， 創立新形態烘焙品牌

「六月初一」這是一個由愛而生的品牌，是創辦人兼執行長沈劭蘭的生日。創辦人早年在網路行銷公司服務，七年業務的工作時間裡，經常加班出差、服務客人、過著忙碌的生活。直到有一天，她發現自己突然想不起孩子兒時的模樣，促使她下定決心，重新整理自己人生的價值，回歸家庭、找回親子真正的本質—陪伴孩子成長。為了這樣的目標，創辦人沈劭蘭在丈夫的支持下，創立了「六月初一」這個屬於自己的品牌。

跨足烘焙業的決心，讓沈劭蘭夫婦從一間小小的廚房、一台蛋捲機開始，經過無數次的研發與測試，終於推出了全球唯一專利的 8 結蛋捲，以「巴結」你重視的人這樣的趣味意涵，完美傳遞華人最有代表性的送禮心意；並以數位行銷的形式作為主要整合通路，為臺灣第一家數位烘焙電商。

臺灣第一家數位烘焙電商 創造全球唯一 8 字型蛋捲

「六月初一」是全世界第一家做 8 字形蛋捲的品牌。

傳統長形蛋捲有 520 年的歷史，8 結蛋捲則是顛覆歷史創新思維的伴手禮新寵，擁有特殊造型的蛋捲。這樣的造型除了能夠做出明確的市場區隔，在消費者的品嘗上也更容易入口，同時能兼顧包裝及運送的考量。

8 結蛋捲需在高溫下塑型，初期以人工方式捏折成型，為因應製程及產量的考驗，開始與機器廠商合作開發自動化產線、穩定提升產量，並持續進行創新與研發。

一般傳統烘焙業皆不擅長數位戰，只要品牌概念中能夠擁有數位 DNA，就可以在網路上得到相對高的曝光度，因此懂得操作電子商務的六月初一即已贏在起跑點。在突破品牌特色產品的生產效能後，更能發揮品牌電商團隊的營銷力道，逐步觸及海外代購市場，讓其他品牌望塵莫及。

精準定位 邁向國際指標性伴手禮

依循消費者需求不斷創新，研發優質產品，延伸出團購、送禮、彌月等多元市場，打造最佳消費者體驗。並代表臺灣伴手禮、重新定位國際市場，以六月初一 8 結蛋捲走向國際百貨通路，成為國際型指標品牌，創造伴手禮新時代。





Pachieh International Co., Ltd.

六月初 June 1st
- 8 結蛋捲 -

President Hung-Wei Shih (Andy)
Address No. 19, Sec. 2, Meicun Rd., South Dist., Taichung City 402, Taiwan (R.O.C.)
Tel +886-4-2376-0082
Fax +886-4-2376-7107
Website <https://june1.com.tw>
Established Date Nov. 28, 2017
Business Category 8-shaped egg rolls, Souvenir
Capital NT\$10,000,000

Subvert the traditional views of baked goods, June 1st is creating a new perspective for snacks.

The brand name "June 1st" is also the CEO, Shen Shao Lan's birthday, and this lovely name was designed from her husband, a brand built from love.

She worked in an online marketing company before 2016. She had been a salesperson for seven years.

During working hours, she often worked overtime on business trip to serve customers, until one day she realized that she was almost unable to remember the face of her child when they are young.

So she was determined to create her own brand and define what is the most important to her in life. Return to the nature of the family and parenting-to accompany the child to grow up. To achieve this goal, the founder Shen Shao Lan, with her husband's support, created her own brand "June 1st".

The determination to step into the baking industry allowed Shen Shao Lan and her husband to start with a small kitchen and an egg roll machine. After countless R&D and testing, they finally launched the world's only patented 8-shaped egg roll, in order to "BA JIE" you.

The interesting meaning of people who value people perfectly conveys the most representative gift-giving intentions of Chinese people. It takes the form of digital marketing as the main integration channel, and is the first digital baking e-commerce in Taiwan.

The first digital baking e-commerce company in Taiwan. Create the world's only 8 shaped egg roll.

"June 1st" who is the first brand in the world to make 8-shaped egg rolls.

Typical long shaped egg rolls have a history of 520 years. The 8-shaped egg rolls the new product with creative features which subverts the history of egg rolls. Deciding to make the egg roll in this shape is to set a market segmentation, making the egg roll easy to bite and convenient to be packed and transported.

8-shapes egg rolls need to be shaped at high temperatures, and they are initially manually kneaded into shape. After countless trial and errors, we began to cooperate with machine manufacturers to develop our own automated production lines, steadily increase production rate, and continue to innovate and develop.

Traditional baking industry are not generally familiar

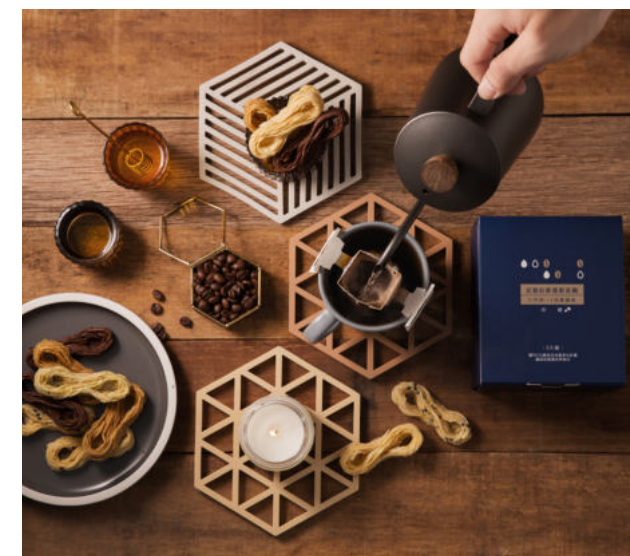
with digital marketing. However, as long as the company has digital DNA, it can get generate high exposure on Internet. Having an e-commerce marketing background provides us with an advantage from the start, create a gap between us and all other competitors globally.

Become an international souvenir brand.

June 1st's goal is to become souvenir brand worldwide. We continue to innovate in accordance with consumer needs, develop high-quality products, and extend diversified markets such as group buying, gift giving, and special occasions to create the best consumer experience.

A breakthrough internationally for Taiwanese snack gifts.

June 1st will enter international department stores and pioneering a new era for the Taiwanese souvenir industry.





評審特別獎
特別獎

芙彤園股份有限公司

Blueseeds

負責人 詹茹惠
地址 臺北市內湖區行善路 397 號 7 樓
電話 (02) 2531-5859
公司網址 <https://www.blueseeds.com.tw>
成立日期 2016 年 1 月 11 日
營業項目 全天然、0 人工化學合成添加的臺灣莊園級精油香氛與洗沐用品
資本額 NT\$60,665,000

全球少數 0 人工化學合成添加的洗劑，以建立永續可複製的香草產業鏈，達到環境永續、人類健康、扶植弱勢三大目標

芙彤園於 2016 年成立，致力開發全天然 0 人工化學合成添加的精油香氛與洗沐用品，打造臺灣莊園級國際香氛品牌，從臺東的純淨環境與「自然農法」栽種香草出發，透過整合製作農業、無毒工業與零售及芳療服務業，成為全球少數一條龍的深度整合，掌控包括種苗、自然農法栽種、精油提煉、調香、芳療的整套核心能力，並導入資訊科技及創新商業模式，創造生產、生活、生態均衡兼顧的商業模式。

● 環境永續

除了以對環境最永續的自然農法栽種香草，維護生物多樣性並復育土地外，芙彤園經過多年的研究最古老的天然肥皂 - 肥皂草，已成功培育出適合臺灣栽種的品種進行種植量產，並研發出加工提煉肥皂草技術，實現量產純天然皂素，取代普遍使用之化學界面活性劑及發泡劑。同時萃

取精油原液防腐取代人工合成香精，成功生產不需防腐劑、介面活性劑的零人工化學合成添加的洗沐用品。而肥皂草具有改善土壤酸化的土地復育能力，讓基於肥皂草的洗沐用品，洗後汗水不帶給土地一絲汙染，成為循環經濟的魔術師。

● 人類健康

零化工添加洗劑，讓人杜絕環境荷爾蒙的危害，結合精油芳療配方，人與植物及土地能量最緊密的接觸，回歸原始的自然療癒力，同時人人皆可用日常洗沐參與環境永續的行動。

● 扶植弱勢

提供小農原民工作機會及公平待遇，協助地方創生，同時公司章程明定 5% 營收投注社會公益，至今致力達成聯合國永續法之目標 17 項中之 14 項。

以「認養一畝香草田」訂閱經濟模式，結合量身客製香氛能力，成為眾多企業社會責任夥伴首選

芙彤園以社會企業定位，推動從生產到消費的零汙染生活型態，推動「認養一畝香草田」行動號召守護土地及家人，推廣「自己洗沐自己種」，透過認養行動先付後種，幫助製作農有穩定收入，用自然農法栽種來復育土地，個人認養人定期收到 Blueseeds 全天然洗沐品照顧家人健康。針對企業，除了量身規劃 CSR 社會責任伴手禮、香氛及永續課程外，憑藉產業一條龍掌控研發與自主調香能力，更可依據客戶特性量身客製規劃獨一無二香氣商品，Blueseeds 成為滿足 SDGs 的社會企業，購買產品的企業可以在企業社會責任上為環境更盡一份力，協助企業規劃責任採購。



榮獲國內外認同，持續與全球企業跨界結盟擴大社會影響力

除了連續三年榮列經濟部中小企業處「Buying Power 社創良品」、亞太社會創新合作「環境永續獎」、臺北市亮點企業等等，也榮獲全球知名紅鯡魚 Red Herring 亞太百強獎。芙彤園期許未來持續透過與國內外企業跨界結盟合作，Blueseeds 將成為一個 Co-brand 特性的理念型品牌，串聯企業一起創造更大的社會影響力，建立起「對環境社會最友善」的臺灣莊園級香氛品牌。





Blueseeds Corp.

Blueseeds

President	Stephanie Chan
Address	7F., No. 397, Xingshan Rd., Neihsu Dist., Taipei City 114, Taiwan (R.O.C.)
Tel	+886-2-2531-5859
Website	https://www.blueseeds.com.tw
Established Date	Jan. 11, 2016
Business Category	Natural essential oils and personal care products with 0 artificial chemicals.
Capital	NT\$60,665,000

One of the few personal care brands in the world to contain 0 artificial chemicals. Creating a sustainable herb value chain to achieve corporate goals – Environmental sustainability, human health, social welfare.

Blueseeds was established in 2016 and is the pioneer to provide unique 100% natural personal care products and essential oils with 0 artificial chemicals. Starting from growing the herbs with natural farming in Taitung, Blueseeds is one of the few aroma companies that integrate the whole value chain, from seedling, planting, extraction, blending to sales and spa services. Blueseeds establishes a long-lasting and eco-friendly business model - from production, to lifestyle, to nature.

• Environmental sustainability

Blueseeds grows the herbs in Taitung with the

most sustainable way- natural farming, which retains the biodiversity and restores the vitality of land. After years of research, Blueseeds' breakthrough mass production of soapwort and the extraction of its natural saponins to replace chemical surfactants enables Blueseeds to offer cleansers without any artificial chemicals involved. Blueseeds also replaces the conventional preservatives and synthetic aromas with self-grown extra virgin essential oils and hydrosols. The 100% natural products ensure 0 chemical footprint of wastewater after shower.

• Human Health

By using Blueseeds' 100% natural products, people are free from the hazards of the environmental hormones. Also, the aroma therapy-based formulation of Blueseeds products offers natural healing power of the plants. The consumers can participate in safeguarding the environment simply by using Blueseeds products.

• Social Welfare

Blueseeds creates jobs for small farmers and indigenous people in Taitung, and insists on fair trade. In addition, Blueseeds is dedicated to donate over 5% of revenues to social welfare. Till now, Blueseeds fulfills 14 out of 17 of United Nations' Sustainable Development Goals.

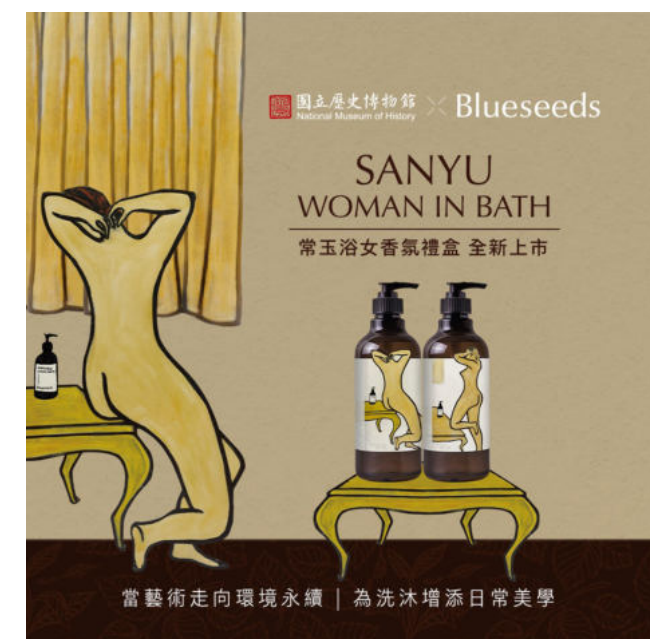
Innovative Virtual Herb Farm subscription model as well as the customization capability facilitate Blueseeds to be the best CSR Partner for corporates.

Blueseeds is a registered social enterprise and is dedicated to promoting a social-conscious lifestyle. The innovative "herb farm subscription" and "grow your own shampoo" campaigns draw the attention of individual customers to safeguard the health of their families, while contributing to the welfare of the indigenous people and the environment. For corporates, Blueseeds offers various CSR products,

aroma/sustainability programs and spa services. Since Blueseeds specializes in providing exceptional aroma experiences, it can tailor-made corporate unique aroma products based on their needs. The cooperation can further contribute to environmental and social benefits. Blueseeds are regarded as one of the best CSR partners for corporates.

Recognized by well-known awards. Will continue to form partnerships with corporates to expand social impact together.

Blueseeds is selected for three consecutive years as the "Buying Power Social Innovative Products" (Ministry of Economic Affairs, Taiwan). Also, Blueseeds is recognized by Asia Pacific Social Innovation Partnership "Biosphere Sustainability Award", Entrepreneurship & Innovation Award (Taipei City Government), and the global well-known Red Herring Top 100 Asia Award. In the future, Blueseeds will continue to explore more co-branding and strategic alliance opportunities with corporates so as to expand social impact together. Blueseeds is dedicated to becoming one of the most eco-friendly and social-conscious aroma brands in the world.



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王美花 部長
經濟部部長

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林英詩 / 負責人
政久興業
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林銘遠 / 總經理
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展騰有限公司



黃呈豐 / 執行長
六星機械工業
股份有限公司



蔡宜兼 / 副執行秘書
行政院國家發展
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台灣樂天市場
股份有限公司

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信用保證基金



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臺灣中小企業銀行



楊立昌 / 總會長
中華民國全國創新
創業總會



賴杉桂 / 副董事長
崇越集團



謝金河 / 董事長
財信傳媒集團

評審委員名單 Evaluation Committee

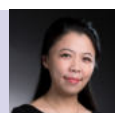


Chief Convener

MEI-HUA WANG
Minister, Ministry of Economic Affairs R.O.C.

Preliminary Review Judges

Documentary Review



Wan-Ling Lee
COO, Appier



Wu-Rong Shih
Professor, S.T.U.S.T.



Yi-Han Lin
CEO, Social Enterprise Insights



Chang-Chen Jing
Assistant Professor, Department of Accounting, SCU



Chi-Tsai Lin
Chairman, Wise Technology Co., Ltd.



She-I Chang
Dean, College of Management, CCU



Yong-Zhi Lian
Chair and Professor, International Business, NTU



Yueh-Chin Chen
Associate Professor, Department of Business Administration, CYUT



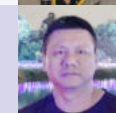
Hsien-Li Chen
Chief Business Officer, CARAT



Richard OuYang
General Manager, Anko Food Machine Co., Ltd.



Stephen D. Tsai
Professor, Department of Business Administration & Si-Wan College, NSYSU



Wei-Te Yen
Executive Director, i-WOOD Village

Preliminary Review Judges

Onsite Interviews



Anderssen Tu.
Managing Director, Pisces Capital Corp.



Ting-An Wu
Vice President, Spring Pool Glass



Jackey Wang
Venture Partner, 500 Startups



TP Lin
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Final Review Judges



Chaney Ho
Executive Board Director, Advantech Co., Ltd.



Wu-Fu Chen
Chairman, Acorn Campus Taiwan



Chin-Tsang Ho
Director General, Small and Medium Enterprise Administration, Ministry of Economic Affairs R.O.C



Bor-Yi Huang
Chairman, Taiwan Business Bank



Yao-Kui Li
Chairman, Taiwan SMEG



Li-Chang Yang
Chairman, National Innovation and Entrepreneurship Association, R.O.C.



Robert Lai
Vice Chairman, Topco Group



Chin-Ho Hsieh
Chairman, Wealth Group

參選辦法說明 Application Guidelines

目的

為營造優質創業環境，形塑臺灣成為創業型社會，經濟部中小企業處辦理「新創事業獎」選拔活動，鼓勵各業界創新新創企業，發展具備優質營運模式之新創事業，樹立成功典範，提振創業家精神，帶動國內創新創業之風氣，為經濟注入活水。

參選資格

1 創業年限

自民國 104 年 6 月 1 日（含）之後成立，並符合行政院核定之中小企業認定標準之中小企業。

2 參賽標的

須為自行研發之創新性產品、技術、流程或服務（包含技術服務、知識服務、商業服務）等，並已商業化或量產（運用）之企業。

獎勵方式

1 獎項名額

就「科技產業組」、「傳統產業組」、「知識服務業組」及「微型企業組」四大類組，4 組預計選出 13 家獲獎企業，另遴選出 3 家評審特別獎，並頒發獎金、獎座及獎狀各乙只。

2 獎金配置

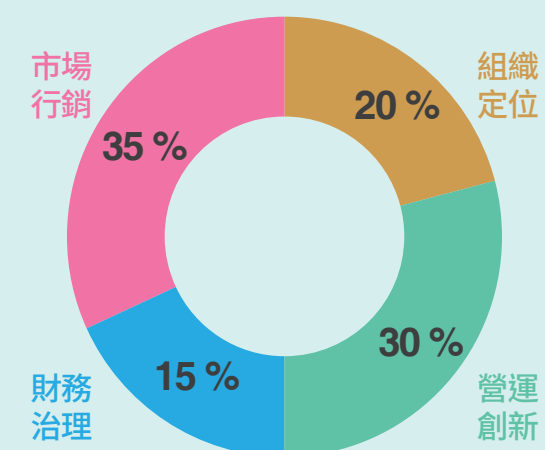
經評審通過者獲頒獎座、獎狀及均分總獎金新臺幣 240 萬元，以 16 家為原則。

參選組別

新創事業營運之產業類別需符合下列四大類組，「科技產業組」、「傳統產業組」、「知識服務業組」及「微型企業組」其中之一，由參賽企業自行擇定一組別報名，報名後恕無法變更組別。

參賽企業以「產業別」作為報名組別選擇之優先考量，其次再考量是否符合微型企業規定並提出相關證明（「保險費繳款單明細」影本），始可選擇報名「微型企業組」。

評審指標



Purpose

In order to create a premium entrepreneur environment and shaping Taiwan into an entrepreneurship society, The Ministry of Economic Affairs Small and Medium Enterprise Administration held the "Entrepreneurship Business Award" Selection, to encourage start-up team to indulge in the development of entrepreneurship with premium business models, establishing a paradigm and enhancing start-up methodology and revitalizing the economy.

Application Requirements

1. Business Age

Participating startup businesses must be established on or after 1st June 2015 and comply with the SME status specified in the SME Determination Standard approved by the Executive Yuan.

2. Award items

The award items must be self-developed innovative products, technologies, processes, or services (including technical services, knowledge services, and commercial services) that have been commercialized or mass-produced by the applicant.

Category

Startup businesses must engage in any of the following four industrial categories: 'Technological Category', 'Traditional Industry Category', 'Knowledge-based Service Category', and 'Micro Enterprise Category'. Applicants must choose the category they wish to join, and no change of category will be allowed after the application..

The organizer will first consider the 'industrial type' of applicants before reviewing if they are qualified for the 'micro enterprise category'. Applicants must submit supporting details (photocopy of the Insurance Fee Payment List) to apply for the 'micro enterprise category' later on.

Prizes

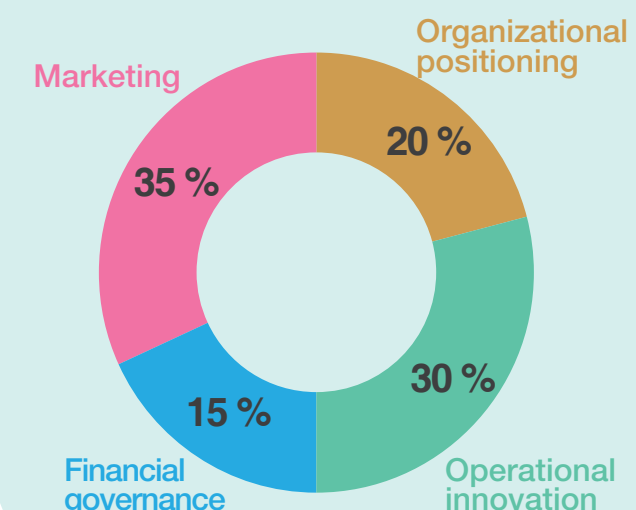
1. Award Quota

13 enterprises will be chosen among the 4 categories – Technology, Traditional, Knowledge Services and Micro-business. A further special categories shall be implemented "Special Jury Award". Award winners will receive a payment bonus, a trophy and a written award.

2. Bonus Arrangement

The 16 award winning enterprises shall share the total prize pool sum of 2.4M NTD.

Assessment Indicators



評審流程 Application Regulations

1 報名參選

109 年
04.01-06.01



Application for Participation

April 1st 2020 to June 1st 2020

2 初審

計畫書審查

由初審委員會進行書面審查，各組（採序位法）選出8-18家新創事業進入實地訪審。

實地訪審

委員針對各組進入實地訪審階段之企業進行訪視，並由企業進行現場簡報與公司內部導覽。

各組（採序位法）選出4-10家新創事業進入決賽。

由經濟部中小企業處發函相關環境保護、勞政單位等機關，以確認推薦進入決賽之企業符合相關法令。

Preliminary Review

1. Preliminary committee shall engage in written review. 8-18 enterprises shall be chosen from each category (order according to performance) to go through onsite review.

2. A different committee shall engage in onsite review. The enterprises are required to give presentations and a onsite tour of the premises.

3. Small and Medium Enterprise Administration shall send official letters to relevant offices (e.g. Environmental Protection Administration Executive Yuan, Ministry of Labor... etc) to make sure that the enterprises entering the final stages of review comply with environmental protection, Labor Health and Safety regulations.

The 19th Business
Startup Award
Presentation Ceremony
November 17th 2020

第19屆頒獎典禮
**新創
事業獎**
The 19th Business
Startup Award

3 決賽

由各組通過初審之4-10家新創事業（採序位法）從各組遴選共13家獲獎企業，及3家特別獎，共16家獲獎。

Final Review

13 enterprises and 3 special awards shall be chosen from the pool of 4-10 entrepreneurs that have passed the initial review in each category. A total of 16 award winning enterprises.