

RAYTHEON SOURCING EVENT
“Curve and Flexible Digital X-Ray Sensor Design Technology”
美商雷神公司 - 「曲線及可彎曲式數位X光機感測器設計技術」招商說明會
暨
工業合作宣導說明會

Organizer: Industrial Cooperation Program Office, Industrial Development Bureau
主辦單位: 經濟部工業合作推動小組

Sponsor: Raytheon Company, Nicholas DeMarco
承辦單位: 美商雷神 - 力高達馬可先生

Date: April 26, 2017
日期: 西元二零一七年四月二十六日

Location: MIRDC, 6F, No. 162-24, Sec. 3, Hsin-Yi Road, Taipei 10658, Taiwan ROC
地點: 金屬工業研究中心- 臺北市大安區信義路三段 162-24 號 6 樓

Introduction 美商雷神介紹

Raytheon Company, with 2016 net sales of \$24 billion, is a technology and innovation leader specializing in defense, civil government and cybersecurity solutions. Raytheon provides state-of-the-art electronics, mission systems integration, capabilities in C5I (command, control, communications, computing, cyber and intelligence), sensing, effects and mission support services. Raytheon is headquartered in Waltham, Massachusetts, Raytheon employs over 63,000 people worldwide.

美商雷神公司專門從事國防、民政和網路安全解決方案,是一個技術及創新的領導者,2016 年淨銷售額達 240 億美元。雷神提供最先進的電子產品、任務系統整合工程、及 C5I (指揮、控制、通信、計算、網路和情報) 感應、效應和任務支援服務的能力。雷神總部設在馬薩諸塞州沃爾瑟姆,在全球擁有超過 6.3 萬名員工。

Raytheon has a long and successful track record of participating in Taiwan's Industrial Cooperation Program (ICP), having completed a number of ICP projects with significant positive impact on Taiwan's local economy. Raytheon's commitment to Taiwan industry is evidenced by its agreement with the Ministry of Economic Affairs (MOEA) to develop joint projects with Taiwan's industry and as MOEA's recipient of its first Achievement Award as "Outstanding Industrial Cooperation Partner."

雷神在推動台灣工業合作計畫(ICP)方面取得了長足的成功紀錄,完成了對台灣地方經濟有重大影響的許多工業合作計畫項目。雷神對台灣產業的承諾,由其與經濟部(MOEA)達成協議並極力參與發展台灣工業專案可證明,且獲頒經濟部第一屆「傑出工業合作夥伴」成就獎。

Technology Partner 技術伙伴

General Electric, GE (NYSE: GE), is an American multi-national conglomerate corporation incorporated in New York, and headquartered in Boston, Massachusetts. As of 2016, GE operates through the following segments: power & water, oil & gas, aviation, healthcare, transportation and capital and lighting, with total revenue of \$123.7 billion in 2016. Today, GE is the world's Digital Industrial Company, transforming

industry with software-defined machines and solutions that are connected, responsive and predictive. GE employs over 300,000 people worldwide. For more information about GE, please visit www.ge.com.

美商奇異 GE (紐約證券交易所:GE), 是美國公司成立於紐約及總部設在波士頓, 麻薩諸塞州。2016、GE 可分為下列幾個事業部門: 電力與水、石油與天然氣、航空、醫療、交通運輸和資本和照明。2016 年銷售額達 1,237 億美元。今天 GE 是世界數位工業公司、改變業界以軟體定義機器和解決方案都能保持連線、迅速回應和預測。在全球擁有超過 30 萬名員工。如需更多有關 GE, 請造訪 www.ge.com

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients. For more information about GE Healthcare, please visit www.gehealthcare.com.

GE 醫療部門提供蛻變醫療技術與服務以滿足需求的提高存取, 強化品質及更經濟實惠醫療遍佈世界各地。GE (紐約證券交易所:GE) 奇異醫療部門培養優秀人才與提昇技術挑戰。從醫療影像處理、軟體及 IT、病患監測與診斷藥物探索的 biopharmaceutical 製造技術與效能改善解決方案、GE 醫療幫助醫療專業人員為醫療機構提供絕佳技術與服務提供與其病人。如需更多有關 GE 醫療部門, 請造訪 www.gehealthcare.com.

Project Summary 專案總結

This project will bring unique knowledge and training from GE Healthcare to Taiwan related to Curve and Flexible Digital X-Ray Sensor Design Technology for use in medical & industrial imaging X-ray detectors. Through proposed technology transfer and technical assistance, three key medical equipment components listed below could be satisfactorily certified and successfully manufactured on commercial scale:

- (1) “standard” 200micron pixel size a-Si TFT/PIN-Diodes for use in low cost X-ray detectors for medical and industrial X-ray imaging
- (2) “high resolution” 100micron pixel size a-Si TFT/PIN-Diodes for use in low cost high performance X-ray detector for medical and industrial X-ray imaging
- (3) “high resolution” 100micron pixel size a-Si TFT/PIN-Diodes for use in low cost high performance, highly rugged X-ray detector for medical and industrial X-ray imaging

奇異公司長期以來對X光影像技術的研發更是業界技術的領導者。透過這項專案將會帶來GE醫療獨特的新一代的數位X光知識和訓練。奇異公司希望在此全球化的醫療市場中, 透過與Raytheon之工業合作計劃是為協助本地產業升級的能力, 透過工業發展局所述之規範的各種方式合作。以它的技術層面而言可分為幾個部份:

- (1) “標準” 200 微米像素大小的 Si TFT / PIN 二極體用於低成本 X 射線探測器為醫療及工業用 X 光造影
- (2) “高解析度” 100 微米像素大小的 Si TFT / PIN 二極體用於低成本高效能 X 光偵測器的醫療及工業用 X 光造影
- (3) “高解析度” 100 微米像素大小的 Si TFT / PIN 二極體用於低成本、高效能、高耐用性 X 光偵測器的醫療及工業用 X 光造影

Purpose of Sourcing Event 美商雷神－招商說明會之目的

The primary focus of the Industrial Cooperation Program is to help local industries upgrade their capabilities through various means of cooperation as outlined in the Industrial Development Bureau's ICP Guidelines. The purpose of this sourcing event is to explain the ICP program, explain the GE Healthcare X-Ray Technology, and explain how to do business with Raytheon, and to promote industrial cooperation program activities. By conducting the sourcing event, Raytheon and its partners will gain a better understanding of local requirements and may also identify applicants to engage in potential ICP projects. The schedule for Curve and Flexible Digital X-Ray Sensor Design Technology sourcing event follows:

工業合作計劃之主要目的與焦點是為協助本地產業升級的能力,透過工業局所述的各種合作方式與規範。技術合作招商會之目的是在於尋求合作夥伴,與解釋這項技術合作計畫。並解釋如何與美商雷神促進工業合作計畫活動。藉由執行技術合作與採購事件、美商雷神及其合作夥伴能更瞭解當地的需求也可能識別申請廠商(當地合作廠商)參與曲線及可彎曲式數位X光機感測器設計技術合作專案。

Schedule 議程

April 26, 2017 公元二零一七年四月 二十六日	Topic 題目	Host 負責人
09:00-09:15	Registration 參與廠商之登記	Raytheon/ICPO 雷神公司、工合小組
09:15-09:30	Welcome, Introduction of Industrial Cooperation Program 歡迎、工業合作計畫宣導說明	ICPO 工合小組
09:30-09:45	Doing Business with Raytheon 如何與美商雷神合作	Raytheon 雷神公司
09:45-10:30	Curve and Flexible Digital X-Ray Sensor Design Technology 曲線及可彎曲式數位 X 光機感測器設計技術	GE 奇異公司
10:30-10:40	Question and Answer Session 問題解答	Raytheon/GE/ICPO 雷神、奇異、工合小組
10:40~12:40	Main Forum Adjourn - Company/Participant One-On-One Interviews with Raytheon & GE (as may be required) 商會結束- 參加廠商與雷神公司、奇異公司的一對一洽談會議	Raytheon/ GE 雷神公司/奇異公司

Contact Information:

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