

公民營電廠工程專案之跨國技術學習與技術移轉之比較研究

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摘要

近年來世界各國致力於電力及能源的開發，並解除以往受政府保護之管制，因而受到國際化、自由化風潮之影響，促使台電公司由獨佔局面進而被民營電廠逐漸蠶食。公民營電廠因而陸續興建，而沿生如何建構良好的專案工程管理體系？要如何面對未來電業市場中取得競爭優勢？要如何提升工程技術層次與水準等問題接踵而來。為配合技術移轉仍需仰賴外部得來的技術與知識，經由動態且連續的學習過程移轉至組織內部，在吸收內部及整理知識後轉換成自己的知識，進而於組織內儲存及擴散以利創新。因此，本研究目的包括：1.了解公民營電廠進行技術移轉的經營管理方式。2.探討公民營電廠接受技術移轉後進行技術學習之過程，並分析公民營電廠組織內部的學習機制。3.探討電廠工程專案如何由組織之外部成功移轉技術知識至組織內部，並能順利擴散、創新及提升組織之技術管理能力。4.分析公民營電廠成功的經驗，希望提供其他企業在進行技術移轉及技術學習時做為參考。為了迅速提高工程技術水準，減少錯誤之摸索、降低研究發展及投資之風險，必須運用國際間之技術合作、學習及移轉方式，自先進工業國家引入優秀技術，以提升工程技術，使有限的資源得以投入最適切的地方。因國內對電廠主要設備之設計及製造，受先天資源的不足之影響，因此必須採跨國製造模式，透過與國際核心廠商技術移轉的關係以取得技術學習的機會。由於跨國廠家之先進科技技術，有益於本國公民營電廠工程專案之技術提升，並對電廠安裝、運轉及維護有直接之影響。本研究發展出以下命題整理如下：1.專案之技術學習廣度愈廣，其專案之技術學習績效愈佳。2.專案之技術學習深度愈深，其專案之技術學習績效愈佳。3.專案之技術學習廣度愈廣配合專案之技術學習深度愈深會對專案之技術學習績效有顯著影響。

關鍵詞：技術移轉；技術學習；技術學習廣度；技術學習深度

目錄

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