

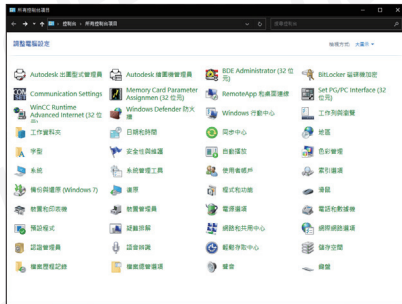
I.通訊閘島預設

IP：192.168.1.100

子網路遮罩：255.255.255.0

II.電腦IP設定

1.開啟控制台並進入網路和共用中心設定IP位置



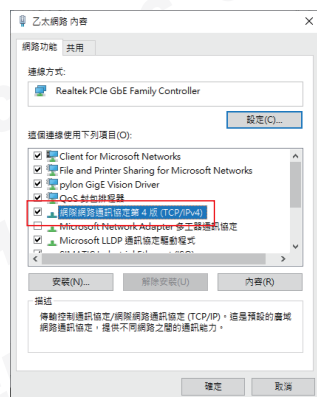
2.開啟乙太網路



3. 開啟內容



4. 開啟網際網路通訊協定第4版(TCP/IPV4)

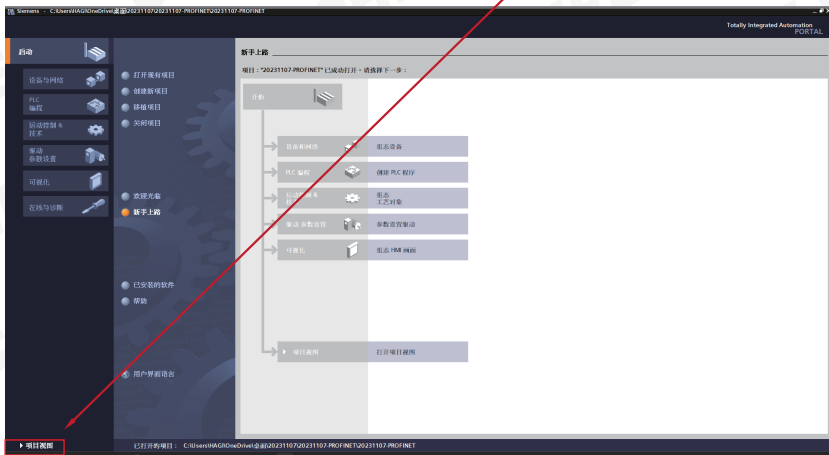
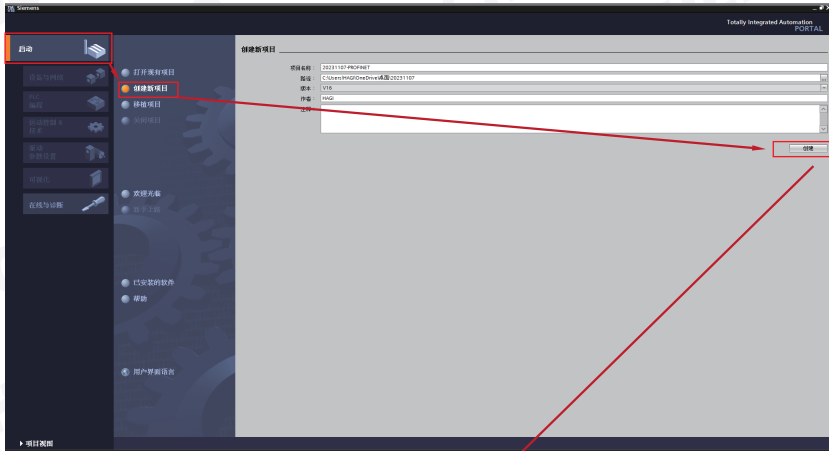


5.設定電腦IP：192.168.200、子網路遮罩：255.255.255.0，完成後確定

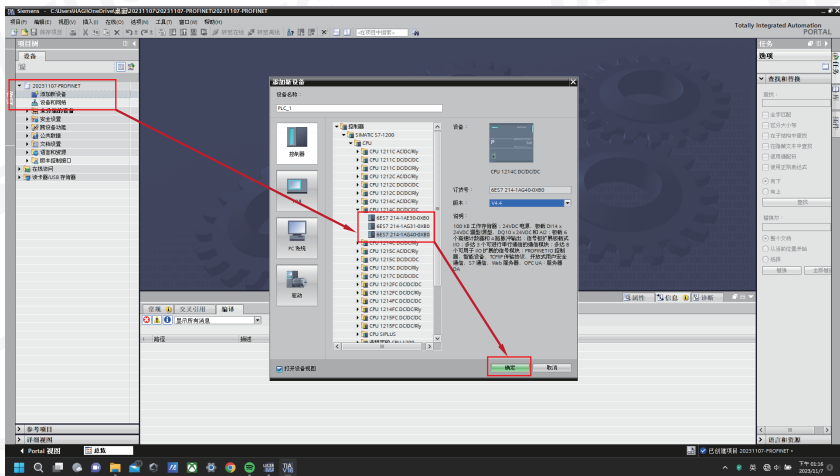


III. TIA Portal V16設定PROFINET

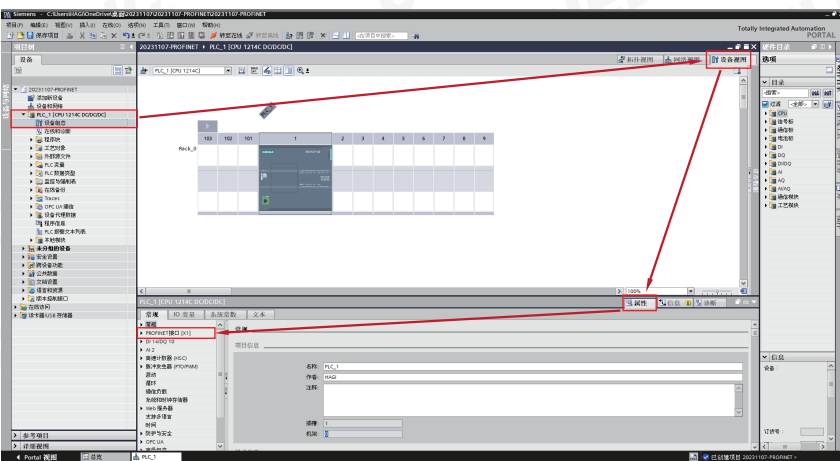
1. 開啟TIA Portal V16並建立新工程，此範例使用S7-1200進行啟動 → 創建新項目 → 專案名稱、路徑 → 創建

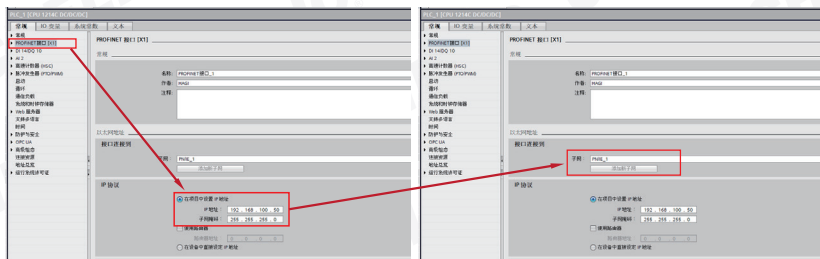


2. 建立新設備。



3. 設定控制器 IP 位置192.168.100.50 此處應注意IP位置不可以重複使用
設備組態 → 設備視圖 → 屬性 → PROFINET接口 [X1] → 輸入控制器IP位置 → 添加新子網



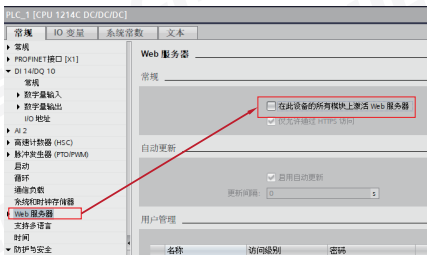
[illegible]

Windows PowerShell

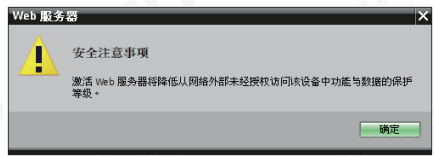
Windows PowerShell 是 Windows 8 及 Windows Server 2012 中引入的命令行工具。它允许用户通过运行 PowerShell 命令来执行各种任务，如管理文件系统、配置系统、安装软件等。PowerShell 命令通常以 'powershell -c' 开头，后面跟具体的命令。

7.啟動控制器Web服務器，並依需求勾選授權

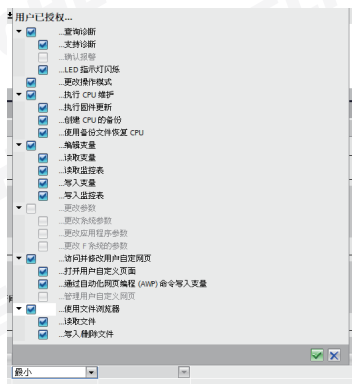
1



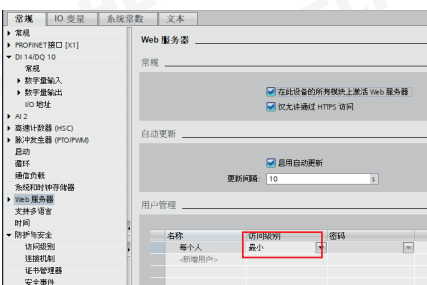
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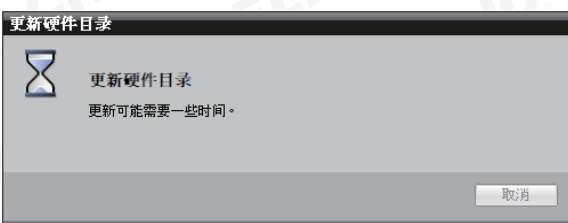
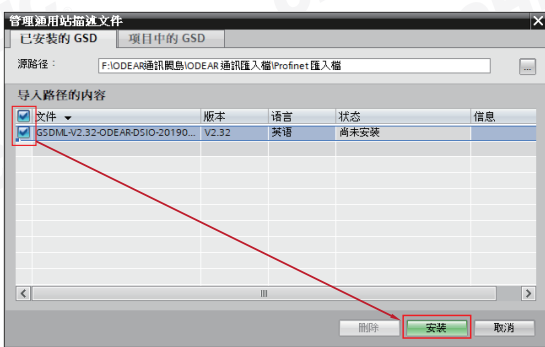
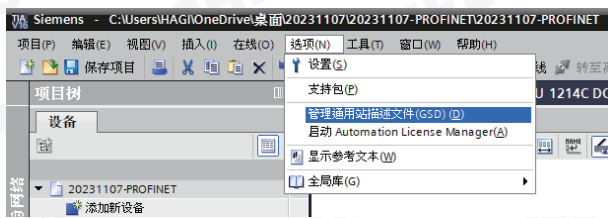
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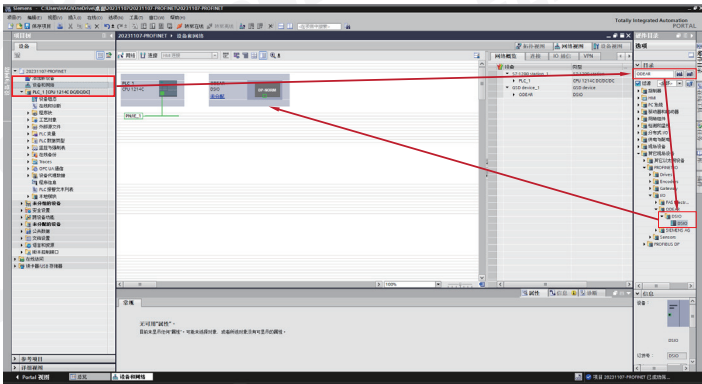
3



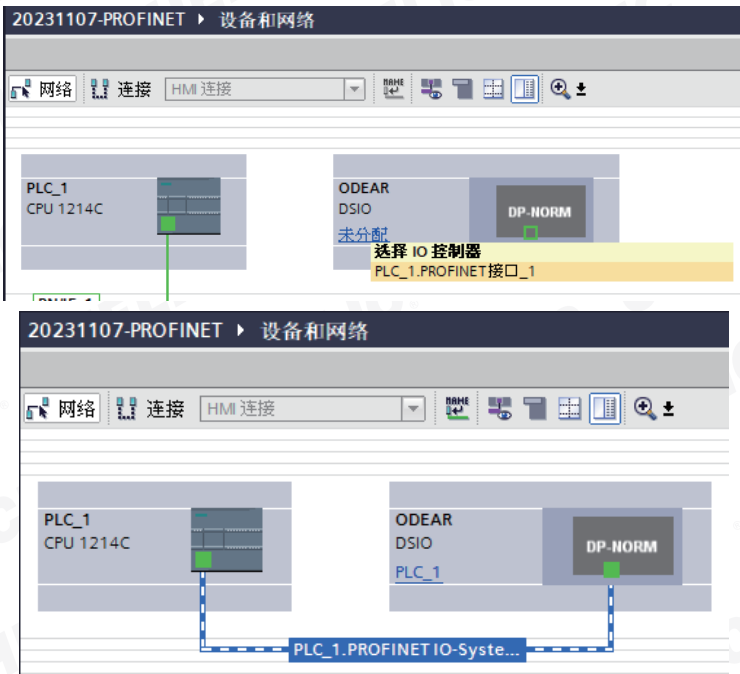
8.登入ESI配置文件 (已登入可跳過此步)



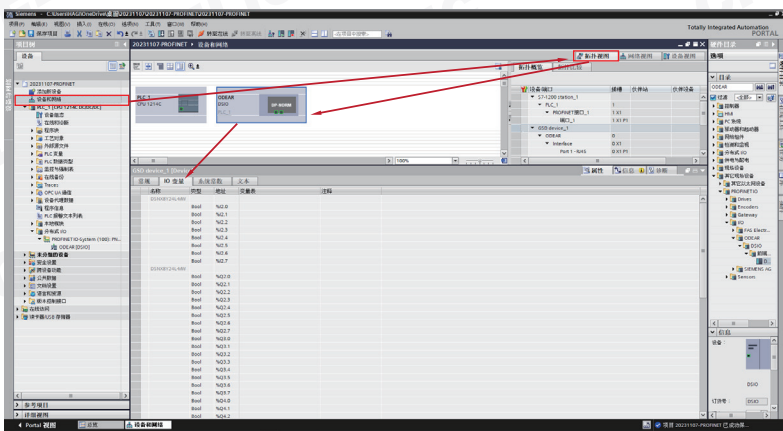
9. 添加模組 設備與網路 → 硬件目錄 → 搜索ODEAR → 選取DSIO



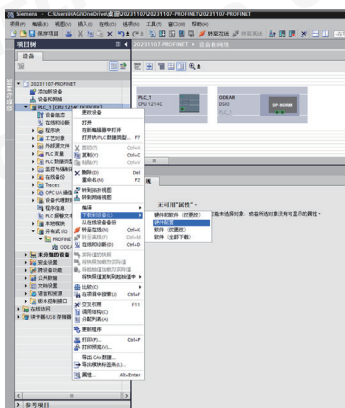
10. 分配接口

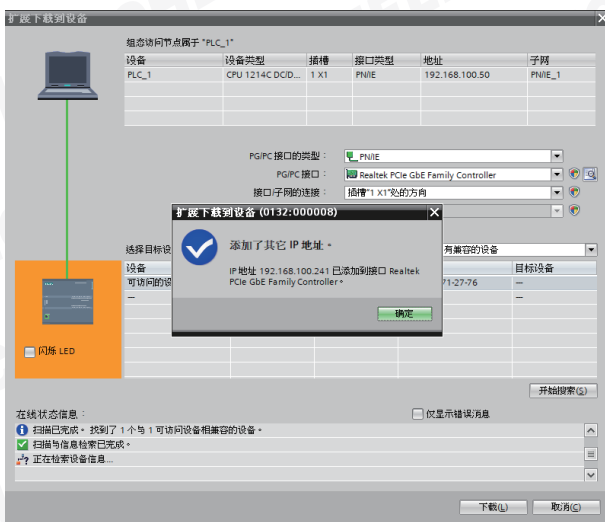
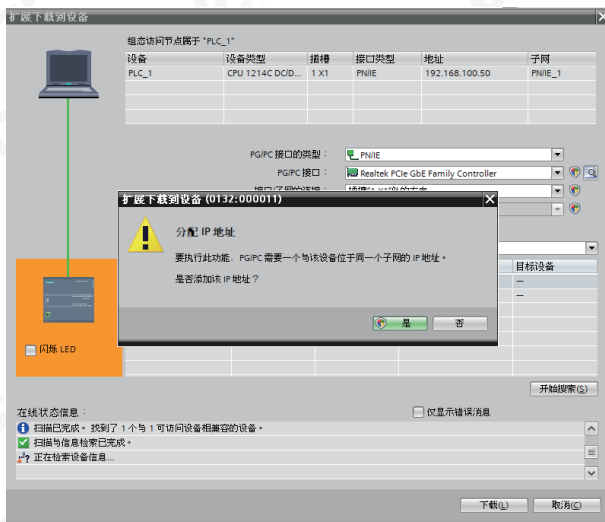
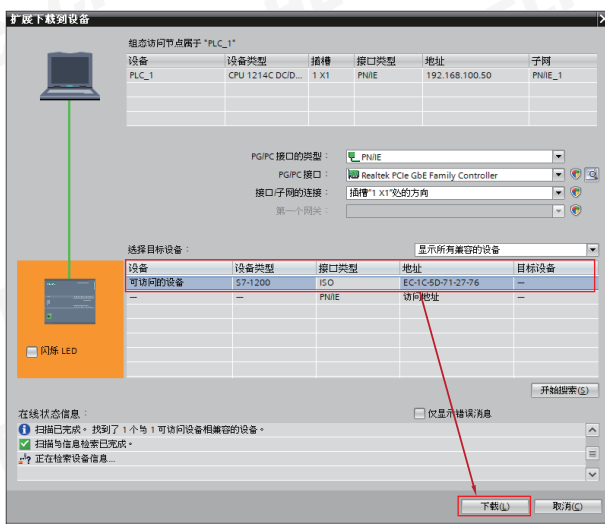
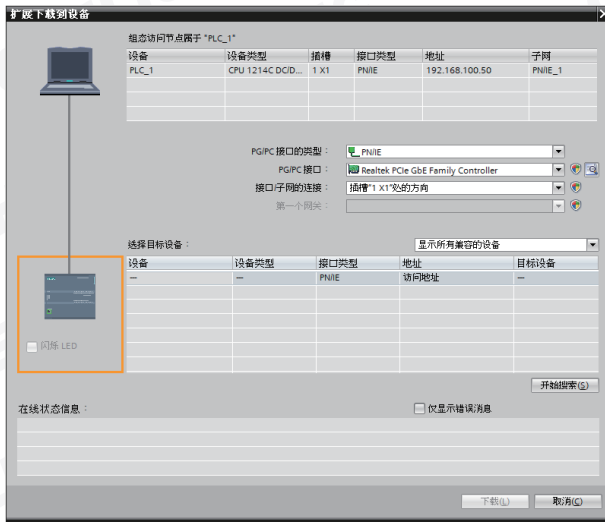


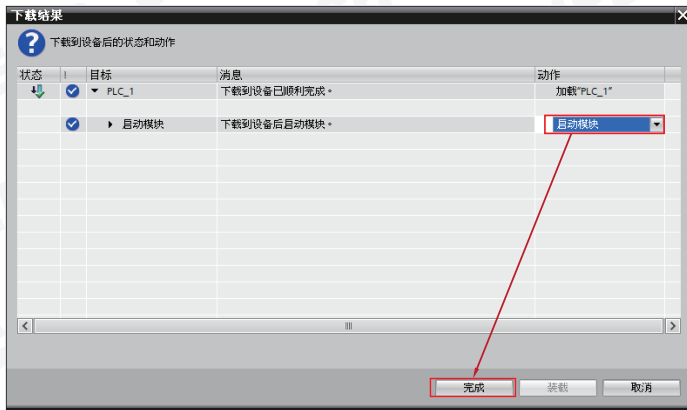
11. 設定模組IO地址 設備與網路 → 拓模視圖 → 選擇模組 → IO變量



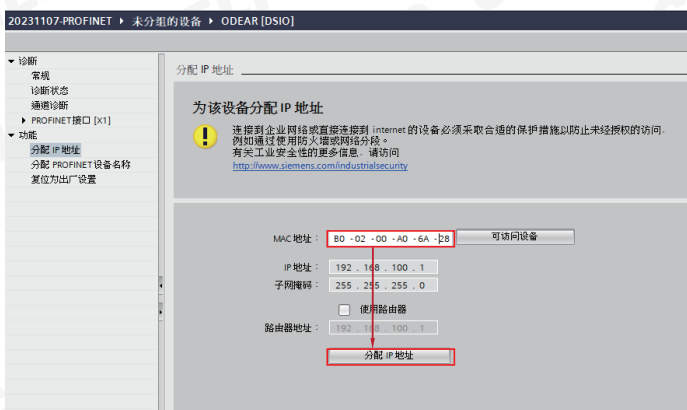
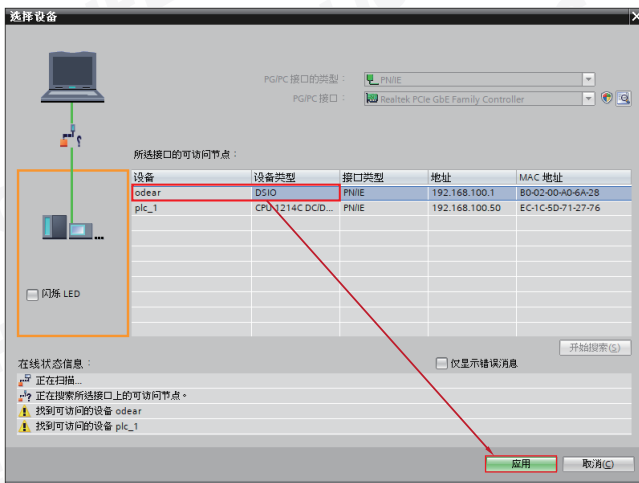
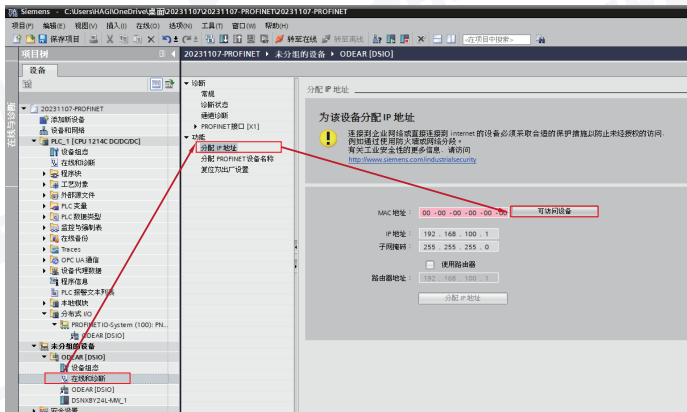
12. 下載硬體設定到控制器







13. 分配模組IP位置



14. 分配模組PORFINET設備名稱



15. 下載軟體設定到控制器



PROFINET於TIA Portal V16設定流程

16.依需求寫入程式並寫入PLC，此處範例程式為跑馬燈

