

How to Add Sensor on Intel Sensor Hub FDK (Firmware Develop Kit)

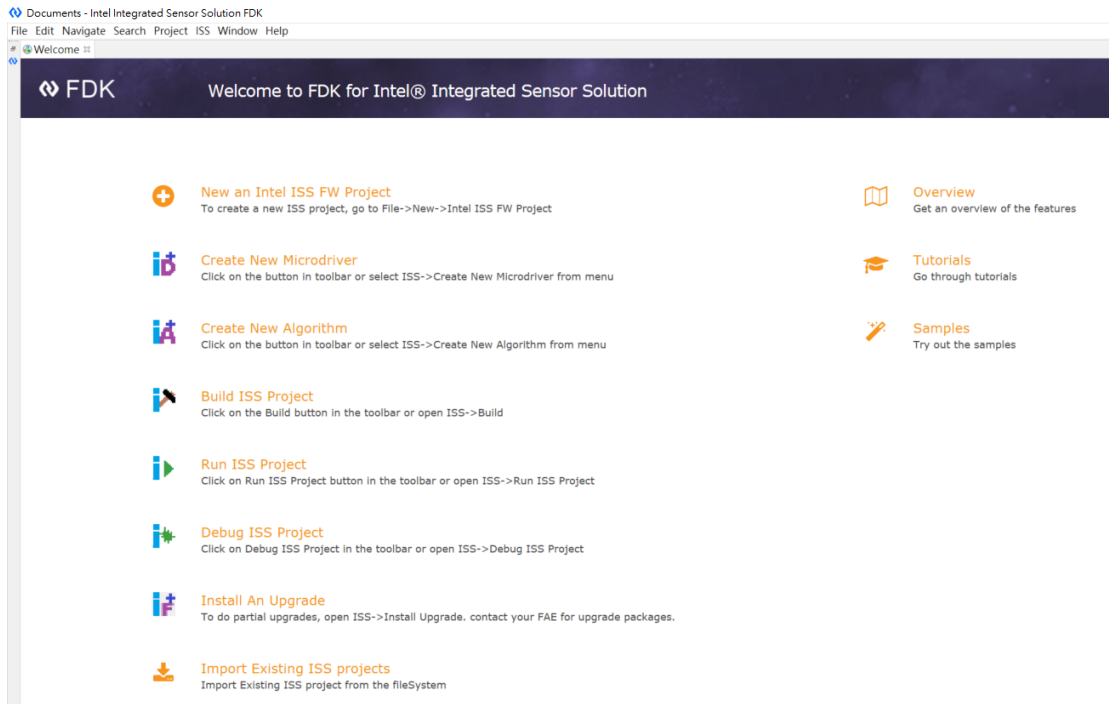
Version	Date	Description	Author
1.00	2022/03/11	Initial release	Brian Chiu

下面步驟是說明如何將 **Sensor** 新增到 Intel Sensor Hub FDK

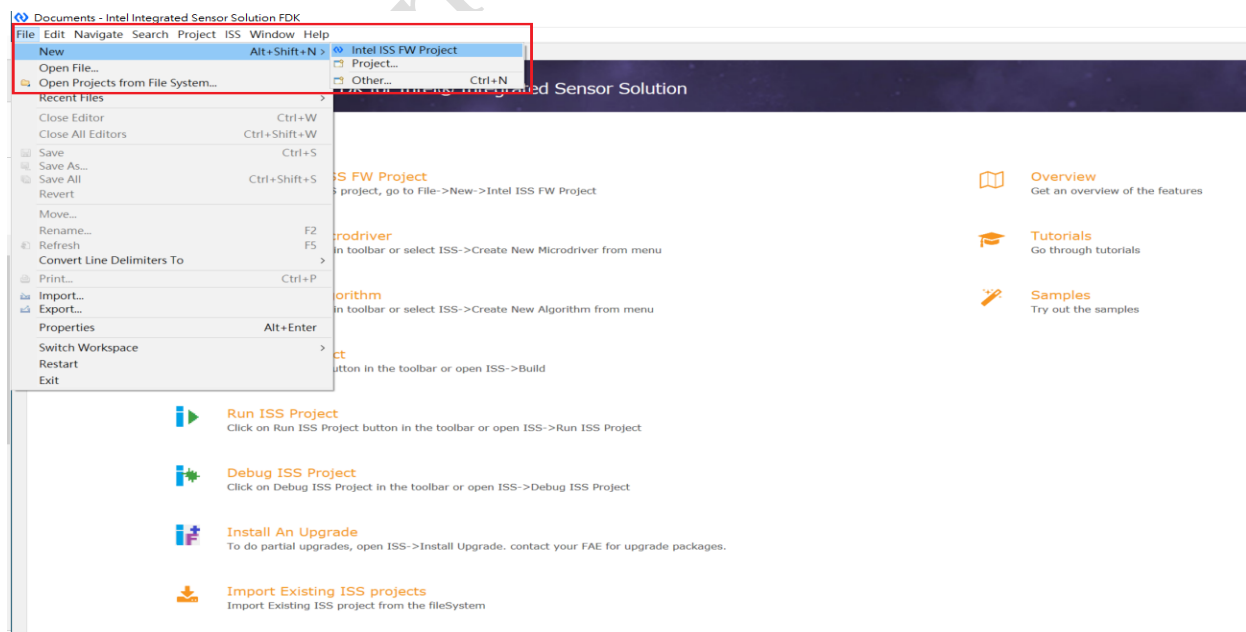
1. 點選” ISS FDK”

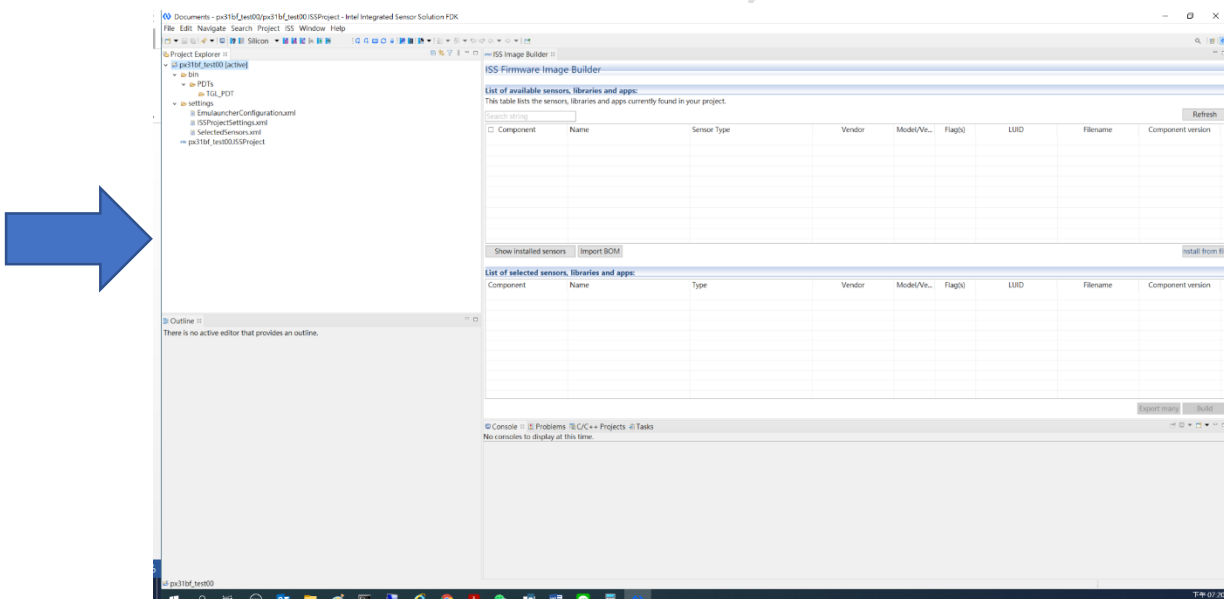
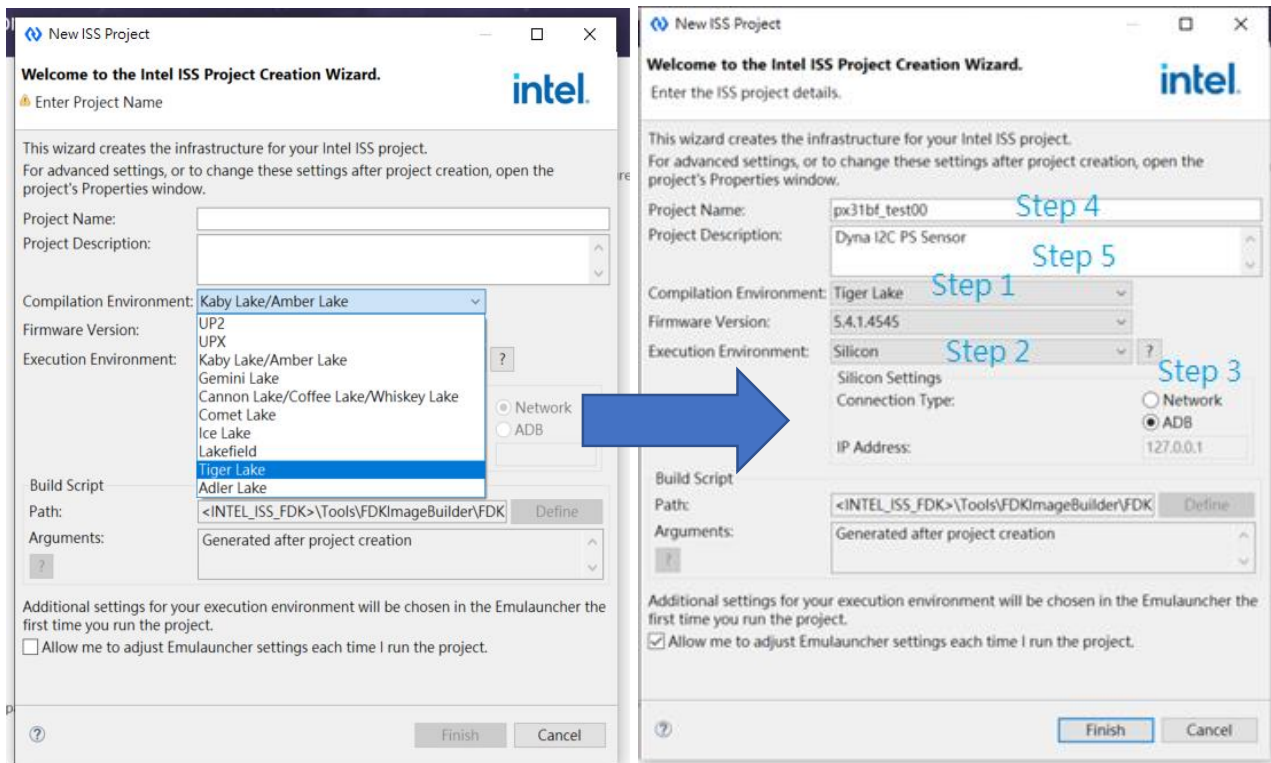


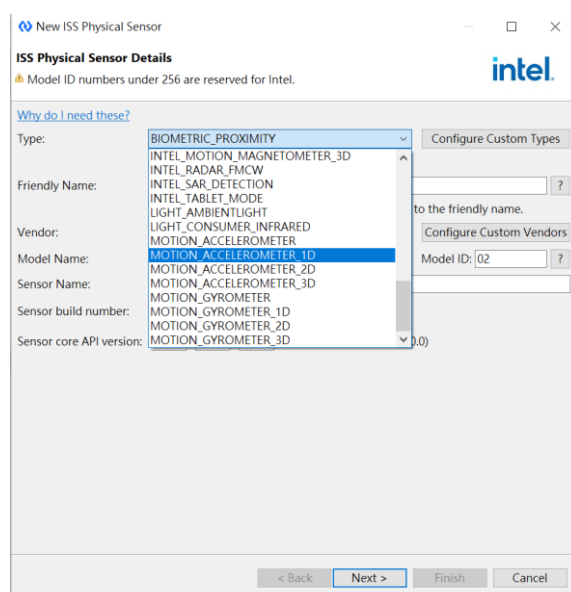
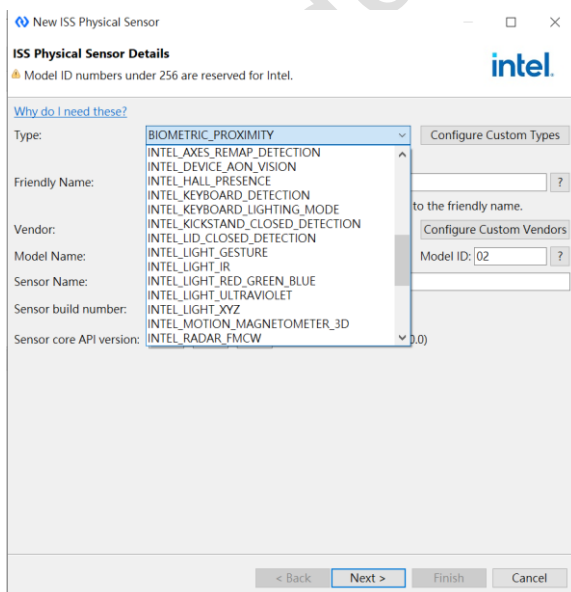
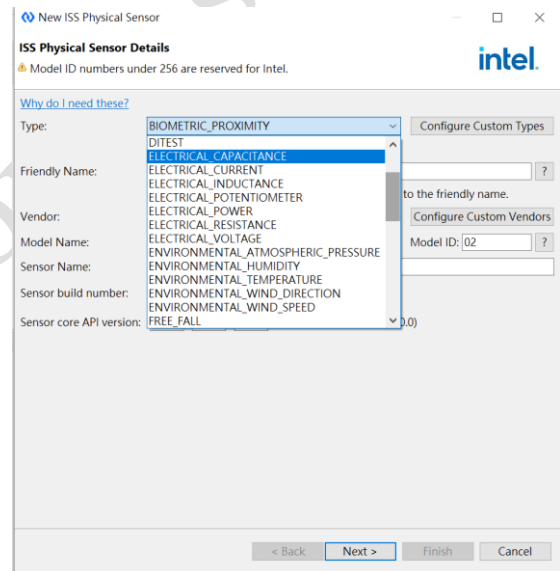
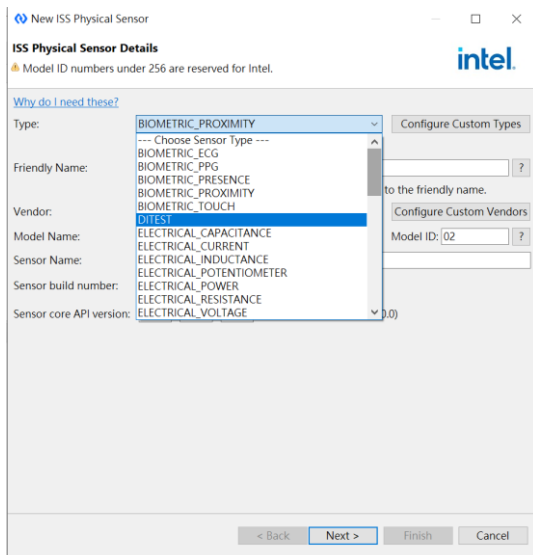
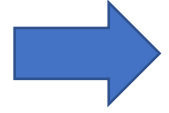
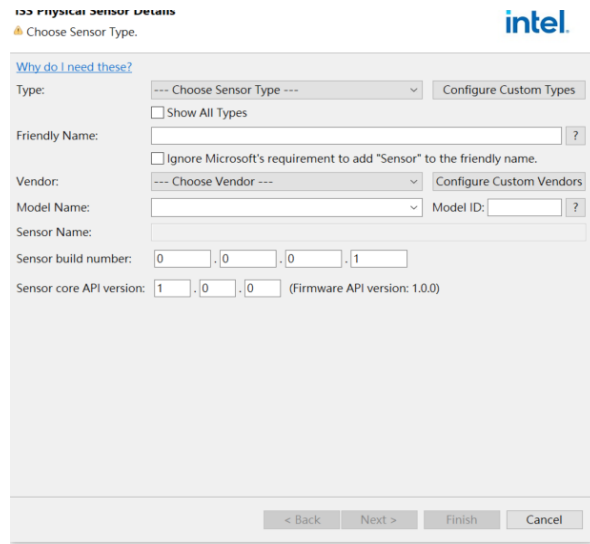
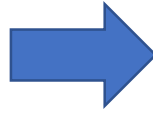
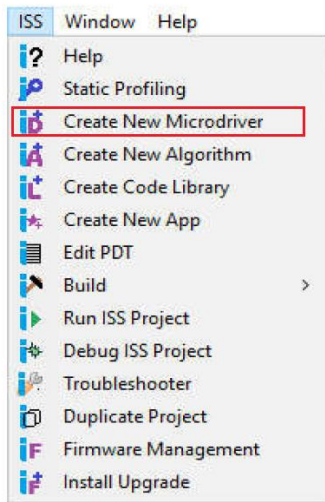
2. 進入 Intel Sensor Hub Development FDK,如下圖

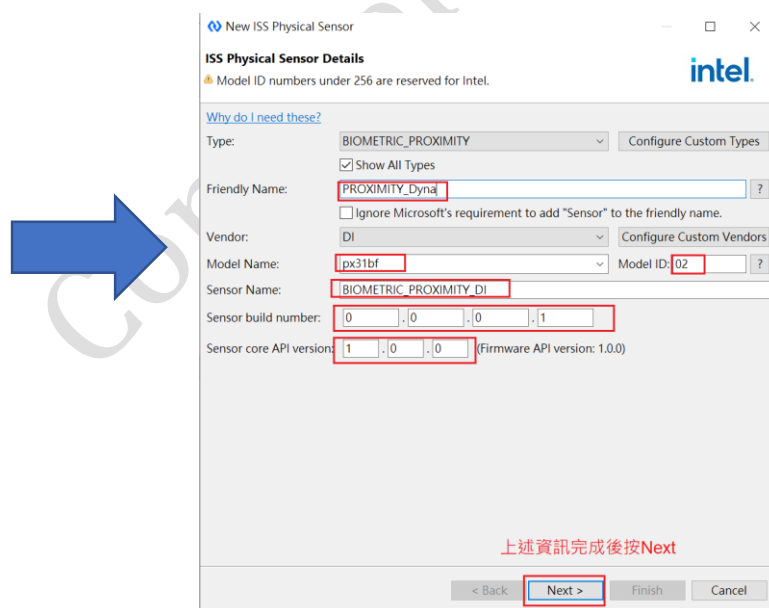
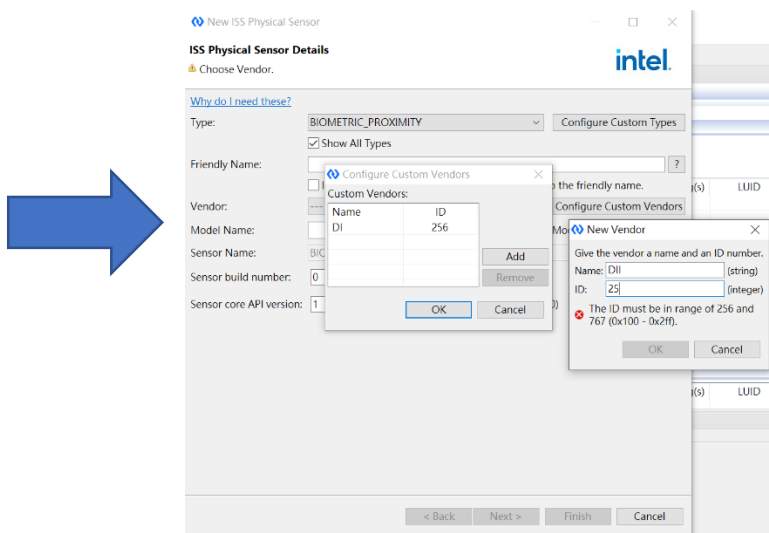
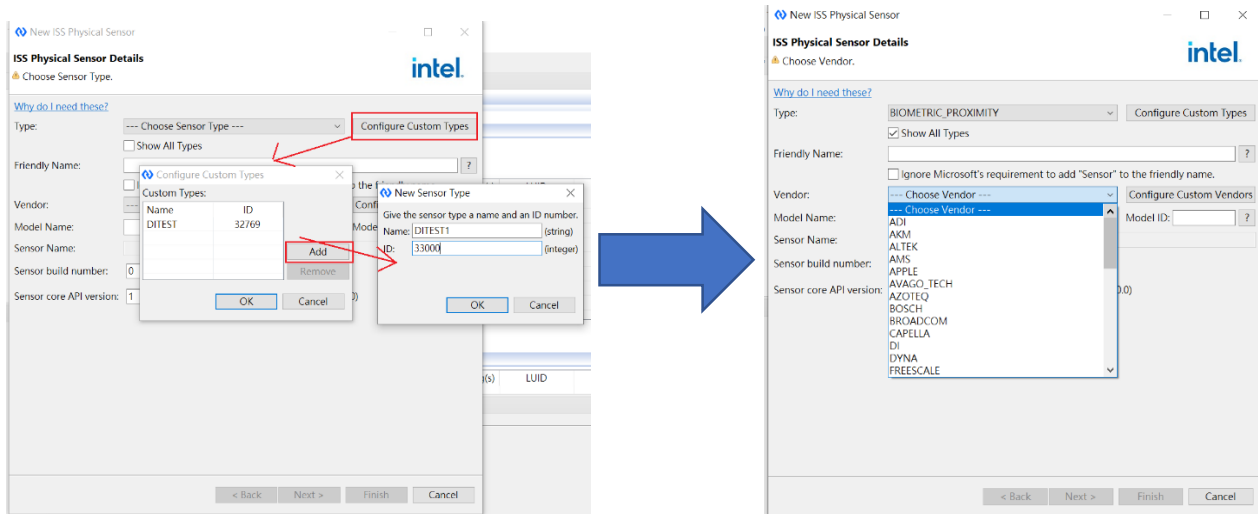


3. 新增 Intel FSS FW Project,可參考下圖

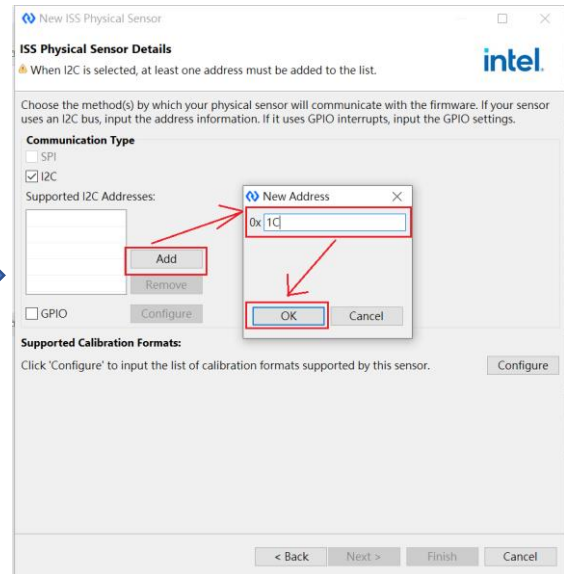
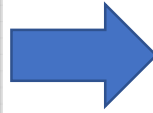
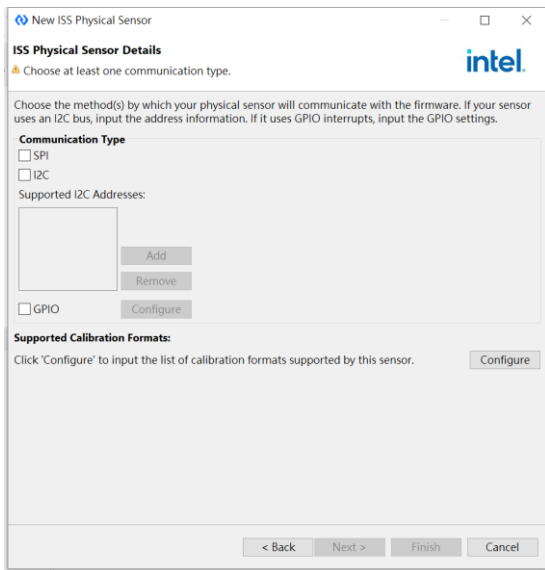




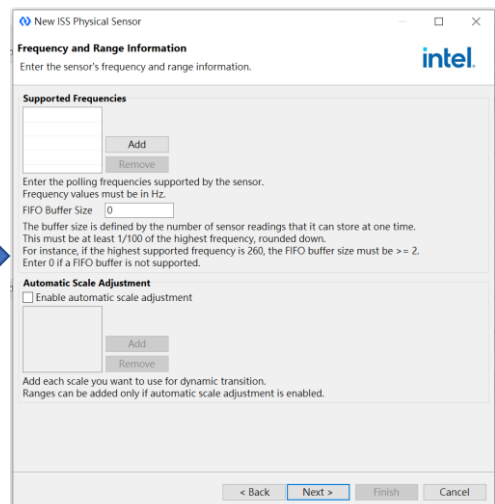
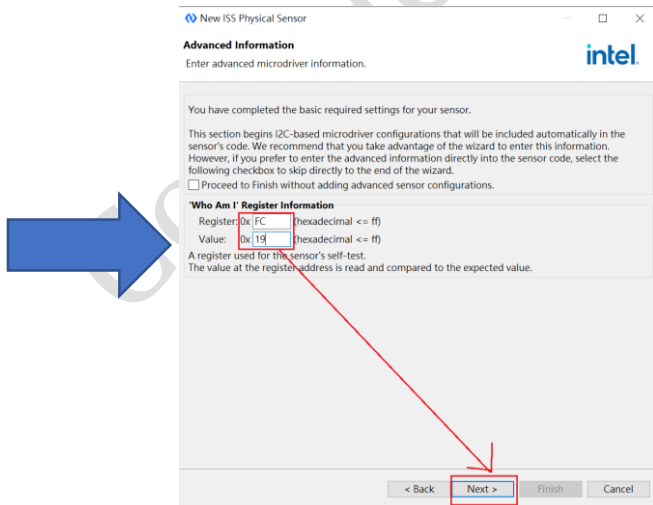
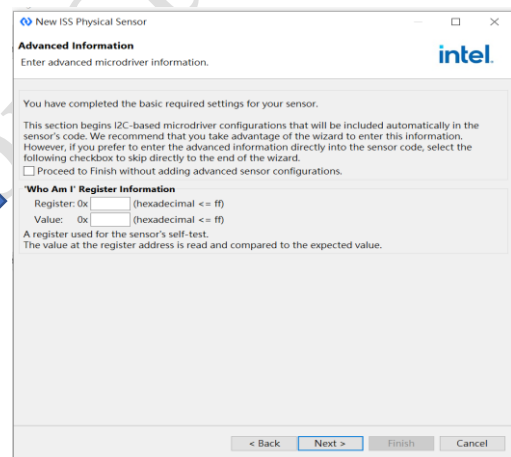
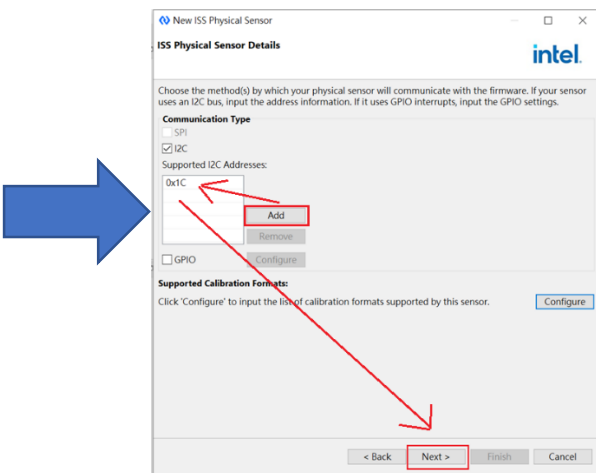


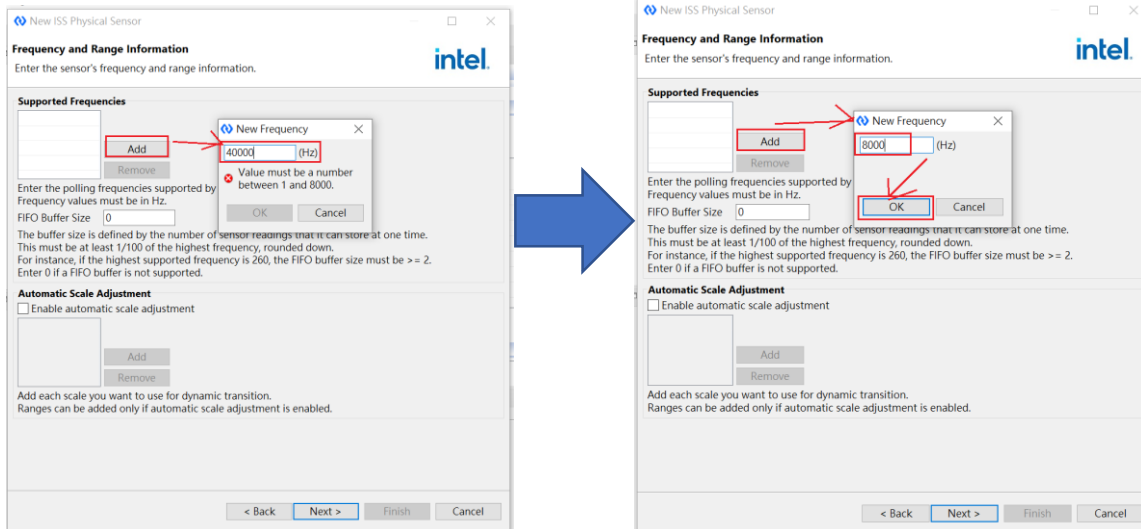


這時畫面就像 Intel 手冊(Intel integrated sensor solution fdk release notes 29.pdf)Page 10 一樣去選擇 Sensor Interface 是 I2C or SPI

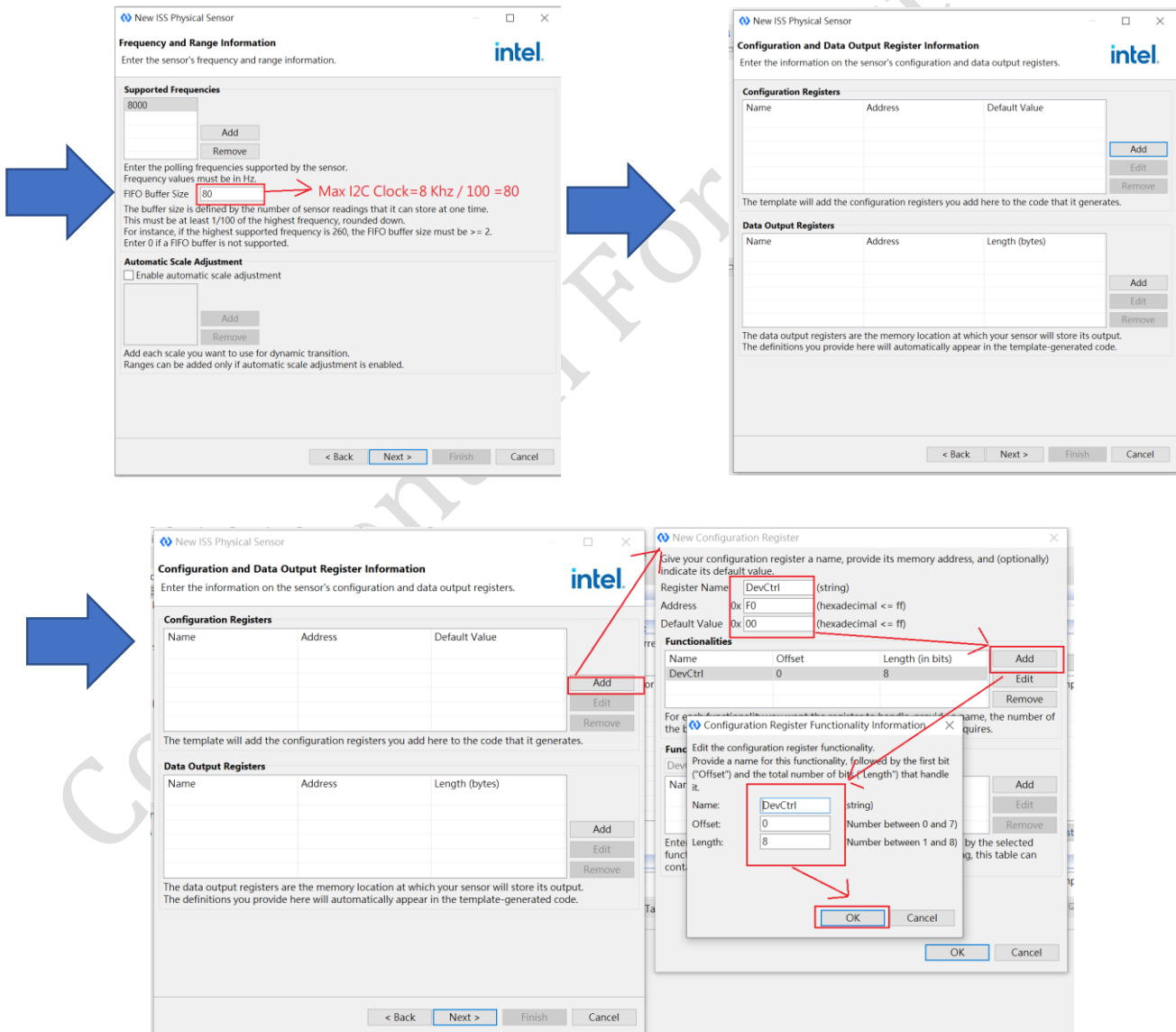


設定 Sensor I2C Address 與 I2C Clock

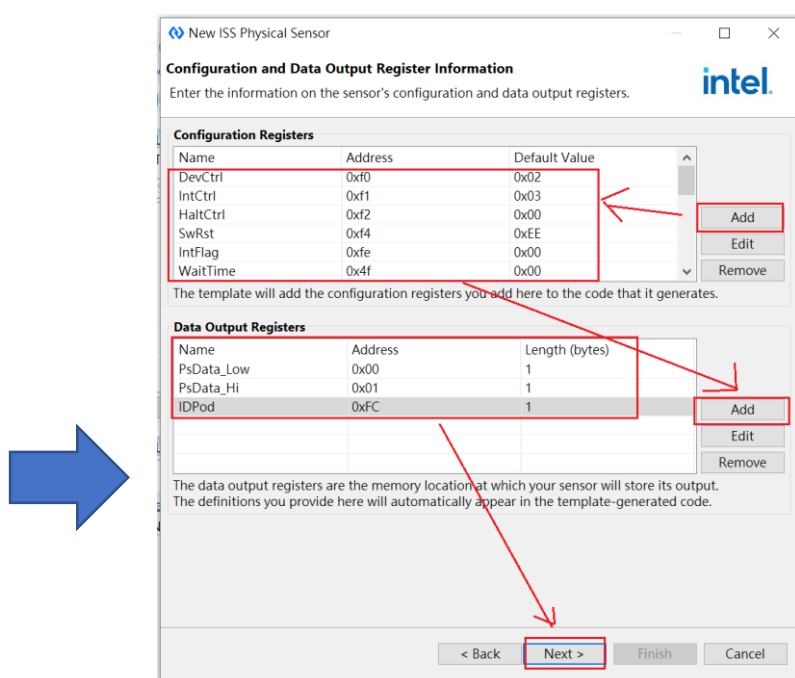
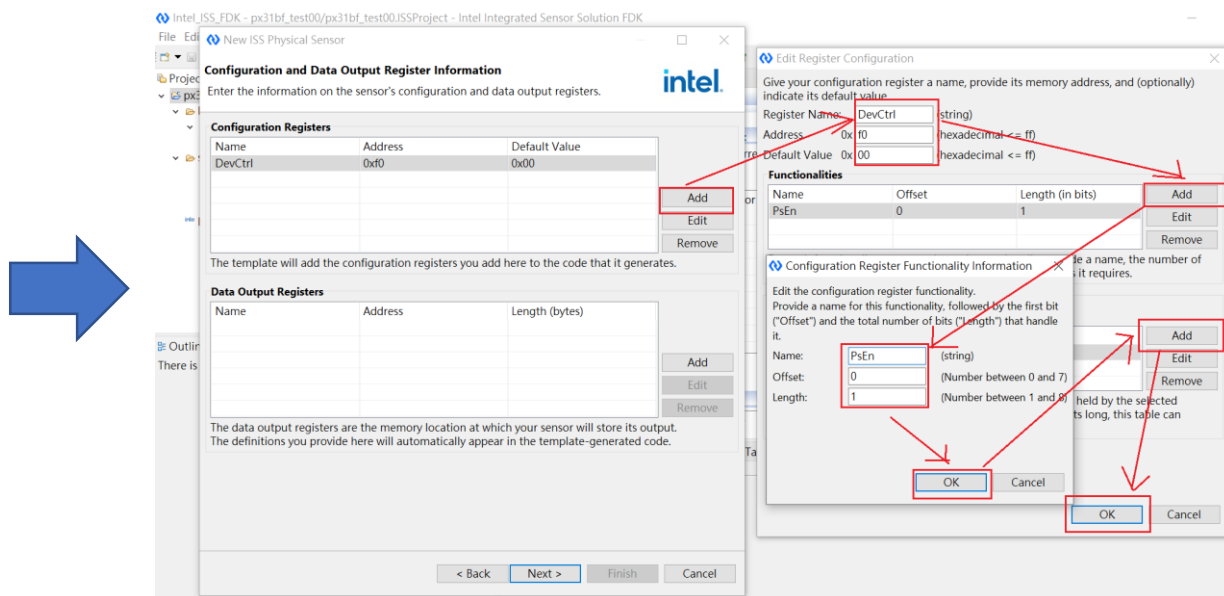




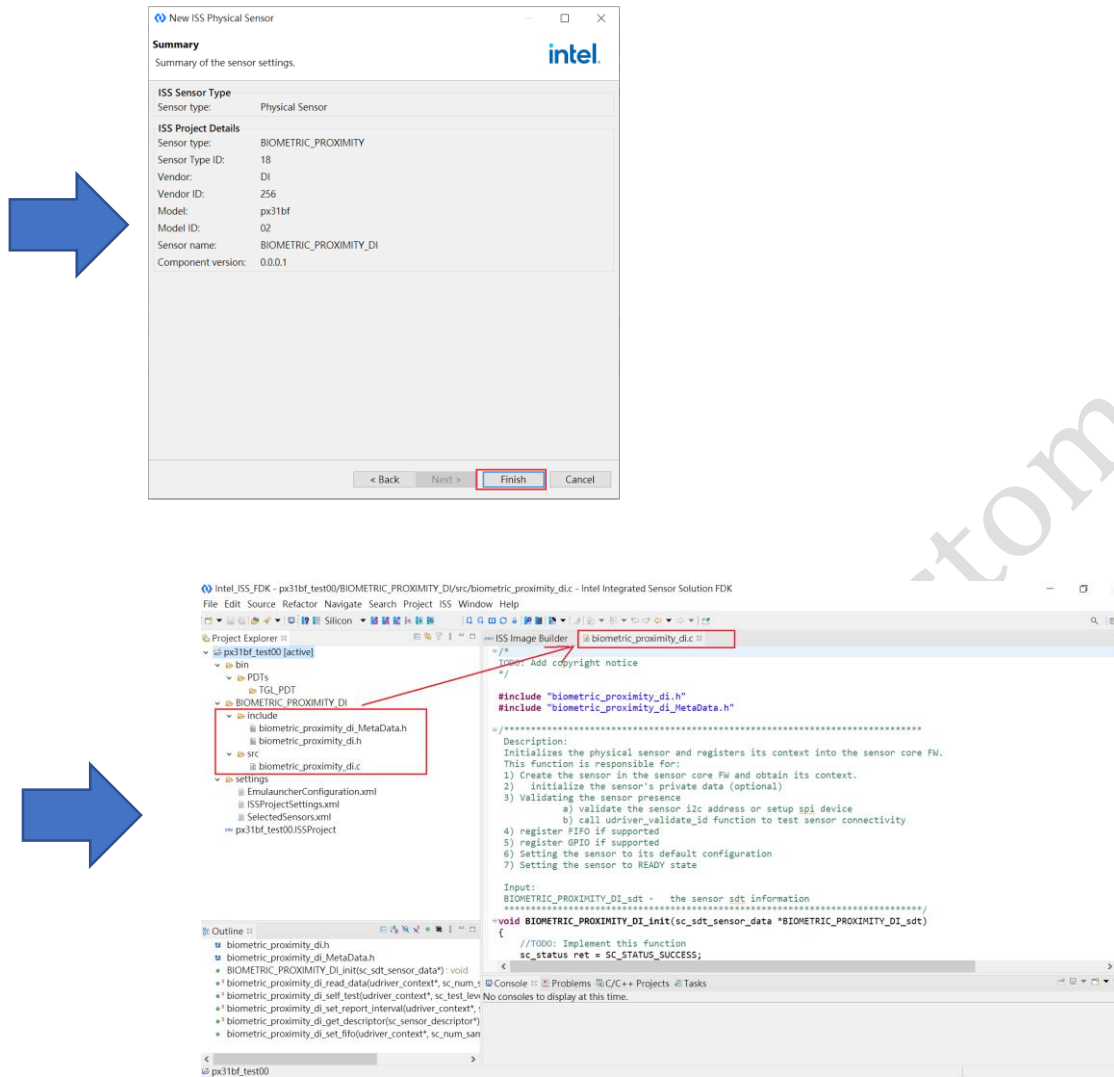
I2C Clock 設定完畢後, 接著設定 Sensor Register Configuration



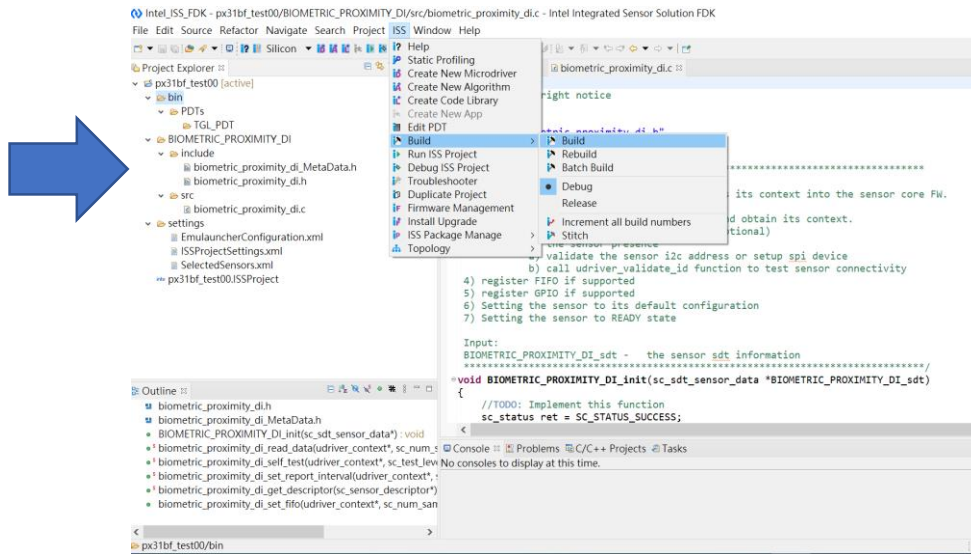
新增另一個 Register Configuration, 方法同 page 7, 如下圖



會看到下面畫面表示完成新增 Sensor, Intel Sensor Hub FDK 並會接著產生相對應 C Code

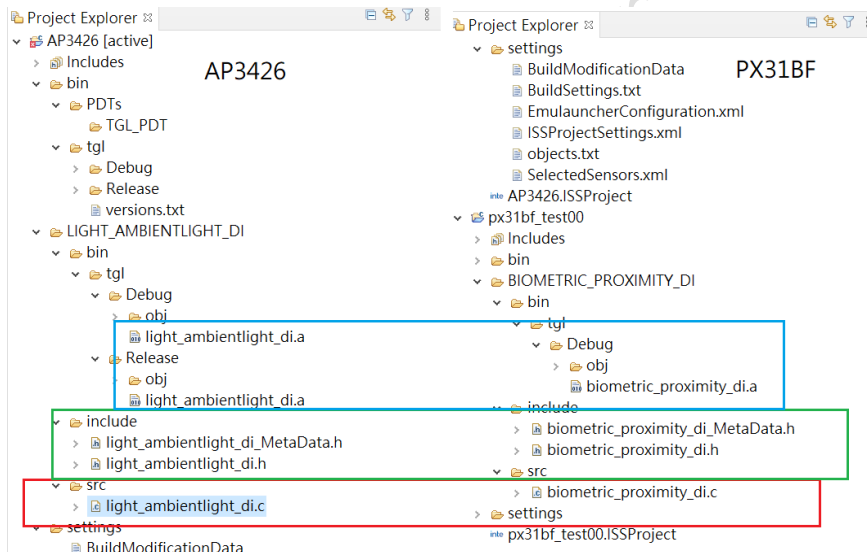


按下 **Build**，如果語法沒有錯誤，則會編譯 **pass**，並會產生副檔名為 **.a** 檔案。



.a 檔案會在編譯 OK 後產生並存放在 “C:\Folder\Intel_ISS_FDK\px31bf_test00(Project Name)\BIOMETRIC_PROXIMITY_DI(Friendly Name)\bin\tgl\Debug”\

Intel / PC 廠 RD 會需要.a 檔案整合到客戶平台裡面



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