

Twinmotion Direct Link plugins

Twinmotion Direct Link for SketchUp
直接鏈結 Twinmotion 與 SketchUp

施勝誠

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問題與解決方案

- 以往Twinmotion(TM)只能匯入SketchUp(skp)檔案
 - 因此如果skp檔案有任何更動，在TM裡就必須重新匯入，尤其是skp檔案需要不斷修正，且TM需要確認場景或渲染效果時，來來回回，不斷重新匯入TM並重新給定材質等設定，非常麻煩
 - Skp中相同顏色材質的物件，TM會視為同一材質。如果只有一小部分，材質必須分開時，必須回到skp修正且重新匯入TM。所有TM的設定要重來，很沒效率。
 - 現在都不用了，**Twinmotion Direct Link**只要在skp的任何修正，按一下重新同步TM，就完成了。
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Twinmotion Direct Link 官網

The screenshot shows a web browser window displaying the Unreal Engine website. The browser's address bar shows the URL `unrealengine.com/en-US/twinmotion/plugins`. The website's navigation bar includes links for PRODUCTS, SOLUTIONS, LEARN, NEWS & EVENTS, COMMUNITY, SUPPORT, and MARKETPLACE. The main content area features a large image of a 3D rendered landscape at night with the text "Twinmotion Direct Link plugins" overlaid. Below the image, there is a paragraph of text describing the plugin's capabilities: "Twinmotion features direct one-click synchronization of geometry and BIM information from your ARCHICAD, Revit, SketchUp Pro, Rhino (Including Grasshopper), or RIKCAD model. Organization and hierarchy are retained while native surfaces and 3D objects are automatically substituted for Twinmotion objects that react to the environment." Below this, a section titled "Features:" lists two bullet points: "You can synchronize as many Revit files as you wish within the same Twinmotion project, offering a new level of flexibility." and "Datasmith is used by both Twinmotion and Unreal Engine, enabling us to create consistent workflows, share code, and evolve everyone at the same pace." The browser's taskbar at the bottom shows several open windows, including "路面.jpg", "2021_DirectLink-...exe 已移除", and "1100506研習證明.jpg". The system tray at the bottom right shows the date and time as "上午 02:12 2021/8/3" and the weather as "25°C 陣雨".

UNREAL ENGINE PRODUCTS SOLUTIONS LEARN NEWS & EVENTS COMMUNITY SUPPORT MARKETPLACE

Twinmotion Direct Link plugins

Twinmotion features direct one-click synchronization of geometry and BIM information from your ARCHICAD, Revit, SketchUp Pro, Rhino (Including Grasshopper), or RIKCAD model. Organization and hierarchy are retained while native surfaces and 3D objects are automatically substituted for Twinmotion objects that react to the environment.

The new *Datasmith Direct Link for Revit* differs from the regular *Direct Link for Revit* in the following ways:

Features:

- You can synchronize as many Revit files as you wish within the same Twinmotion project, offering a new level of flexibility.
- Datasmith is used by both Twinmotion and Unreal Engine, enabling us to create consistent workflows, share code, and evolve everyone at the same pace.

Twinmotion Direct Link for sketchUp 下載

The screenshot shows the Unreal Engine website page for Twinmotion plugins. The browser's address bar displays `unrealengine.com/en-US/twinmotion/plugins`. The page content includes a list of plugins with their respective download links and 'DOWNLOAD NOW' buttons. The 'DIRECT LINK FOR SKETCHUP PRO' section is highlighted with a red circle and a red arrow pointing to the 'DOWNLOAD NOW' button.

new level of flexibility.

- Datsmith is used by both Twinmotion and Unreal Engine, enabling us to create consistent workflows, share code, and evolve everyone at the same pace.

Current limitations:

- Materials and objects are not automatically substituted for Twinmotion materials and objects.

To take advantage of this functionality, you'll need to download and install the relevant plugin.

| Plugin Name | Supported Software | Download Link | Last Updated | View Archived Versions |
|-------------------------------------|--|--|--------------|--|
| DIRECT LINK FOR ARCHICAD | Supports ARCHICAD 19, 20, 21, 22, 23, 24 | Twinmotion 2020.1, 2020.2 & 2021.1 Windows | 2020/08/10 | View archived versions |
| DIRECT LINK FOR REVIT | Supports Revit 2017, 2018, 2019, 2020, 2021 | Twinmotion 2020.1, 2020.2 & 2021.1 Windows | 2020/08/10 | View archived versions |
| DATASMITH DIRECT LINK FOR REVIT | Supports Revit 2018, 2019, 2020, 2021 | Twinmotion 2021.1 Windows | 2021/04/13 | View archived versions |
| DIRECT LINK FOR SKETCHUP PRO | Supports SketchUp Pro 2017, 2018, 2019, 2020, 2021 | Twinmotion 2021.1 Windows | 2021/03/30 | View archived versions |

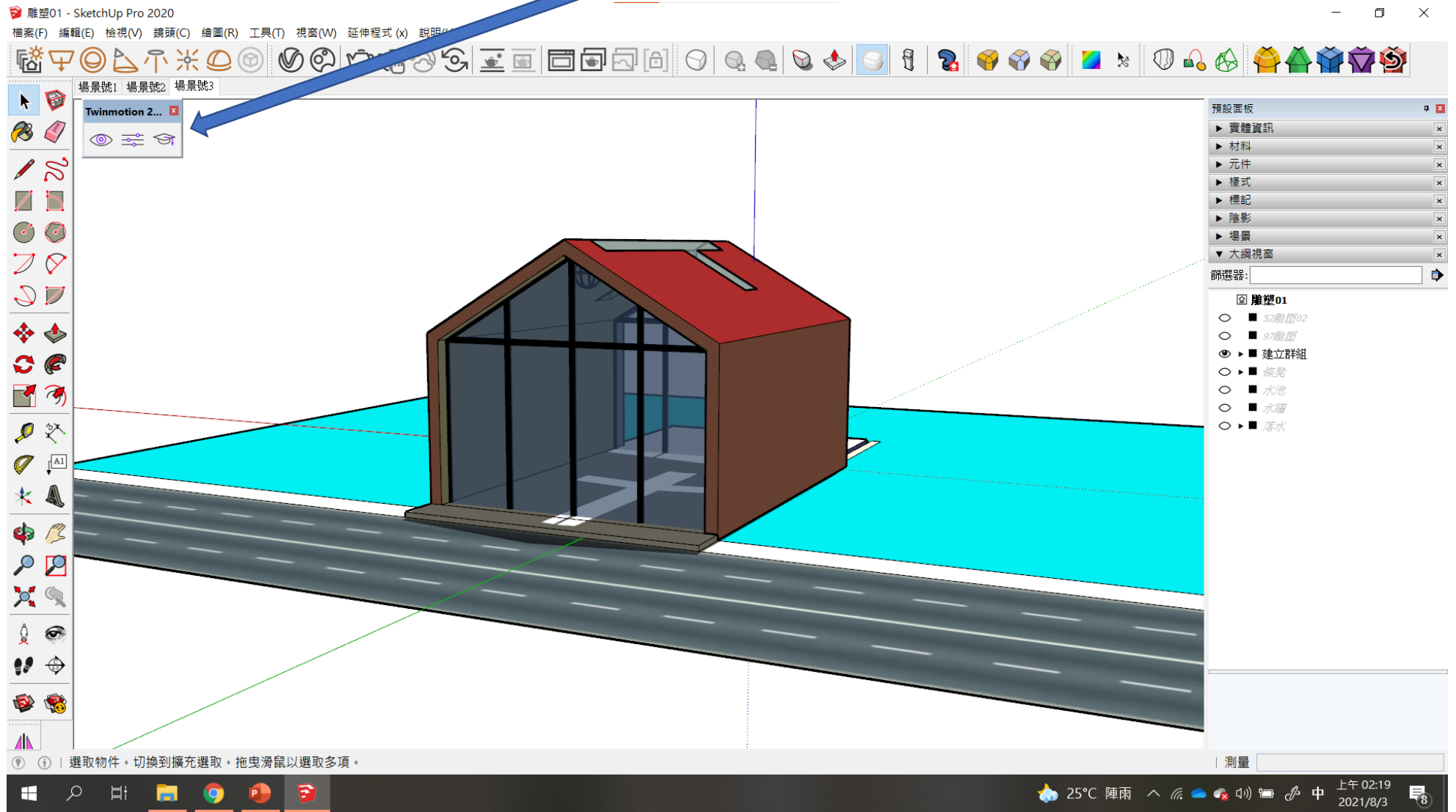
執行安裝

- 程式 2021_DirectLink-SketchUp_Twinmotion_SU17-21_2020.75.5530.51_setup.exe

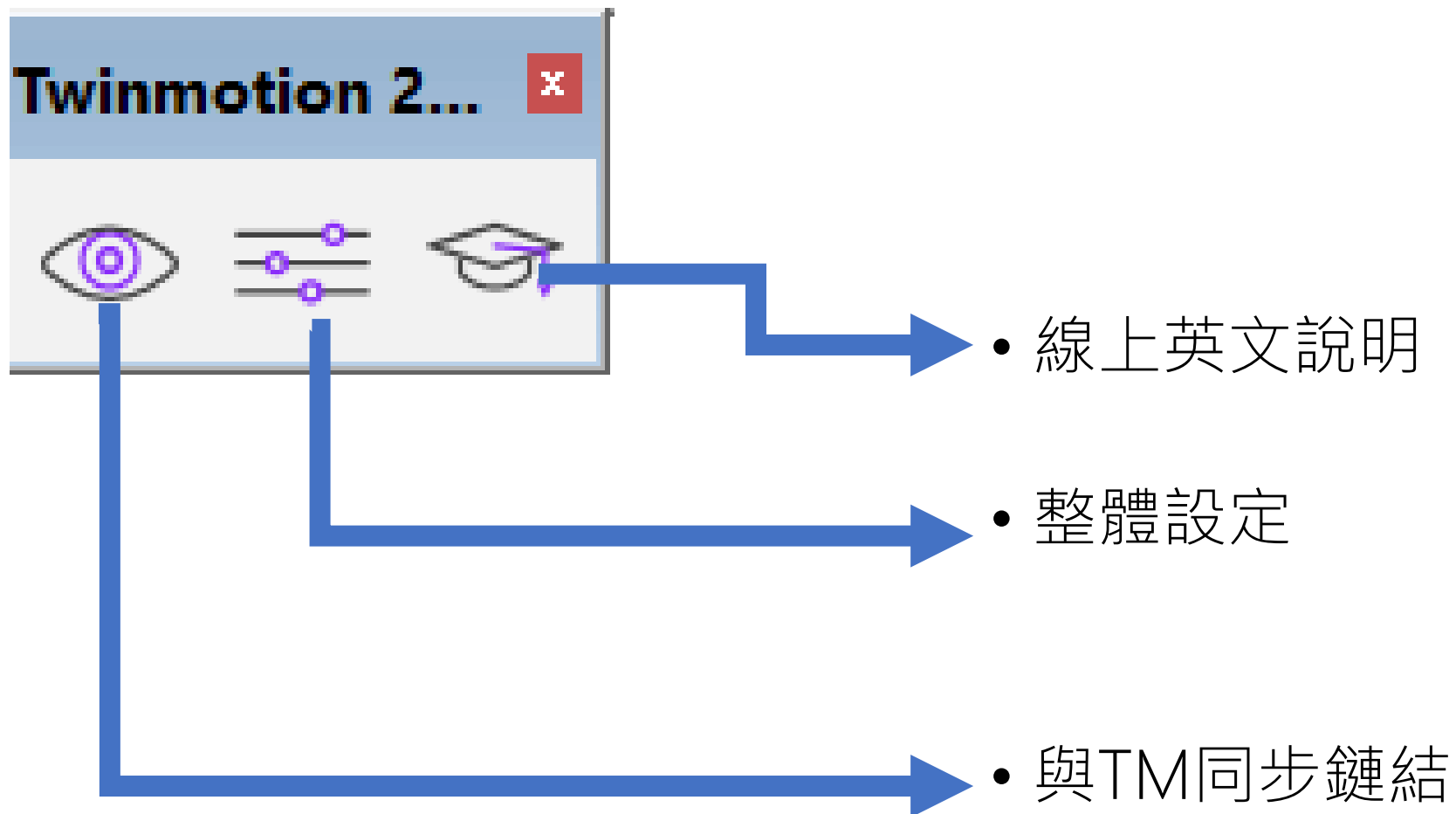


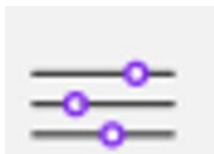
選擇要安裝的SketchUp版本

開啟Skp檔案會出現工具列




TM Direct Link工具說明





整體設定，只要一樣即可

DLG_SETTINGS_TITLE



DLG_EXPORT_C: DLG_EXPORT_COLLAPSEM ▾

DLG_SETTINGS_SUBSTITUTE_GROUP

DLG_SETTINGS_USETMMATERIA

DLG_SETTINGS_OPTIMIZATION_GROUP

DLG_SETTINGS_EXCLUDESMALLC 0.1 DLG_ε

DLG_SETTINGS_OPTIMISECHECK

DLG_SETTINGS_FULLUV

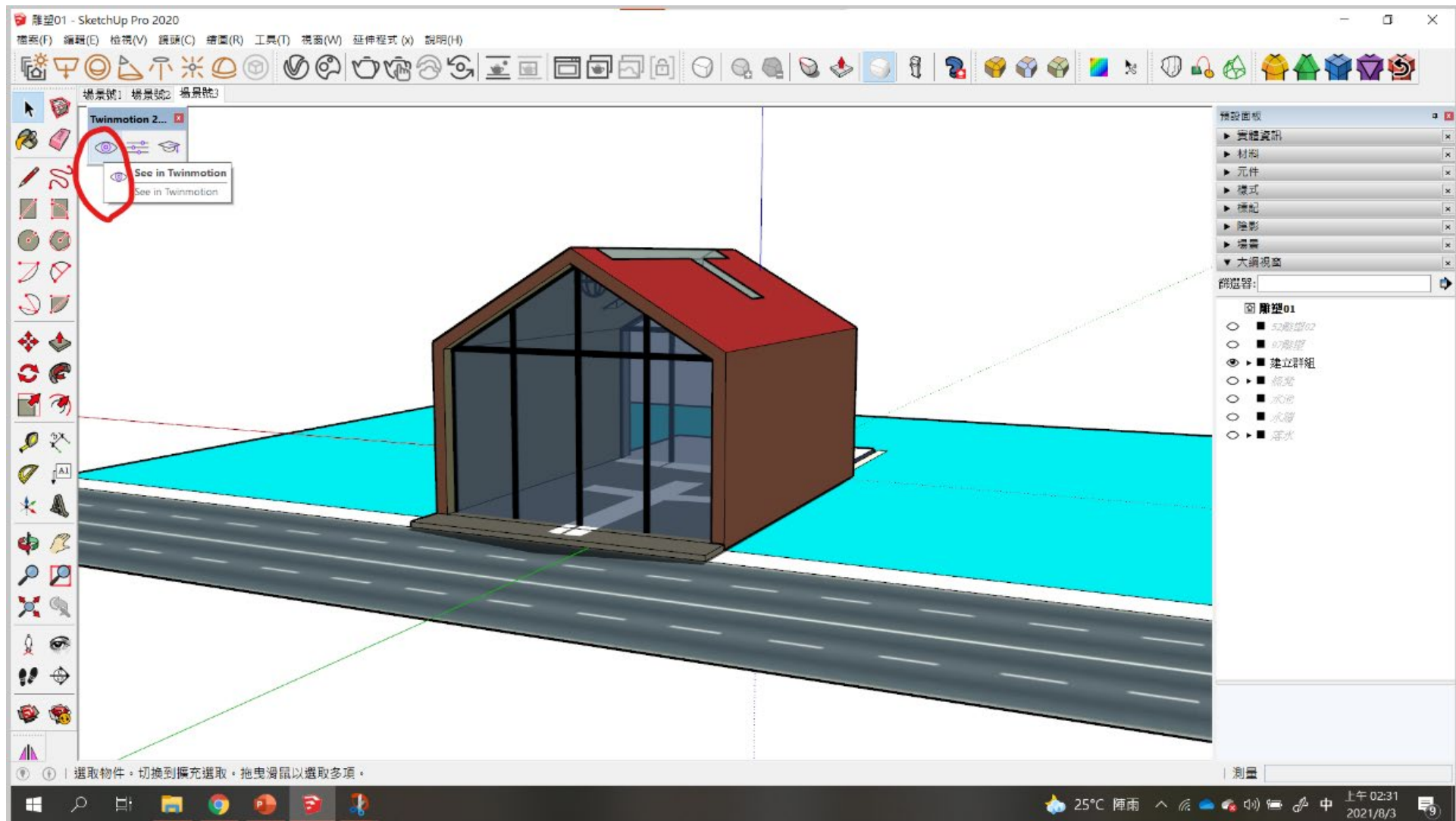
DLG_SETTINGS_CONNECTION_GROUP

DLG_SETTINGS_PORT: -1

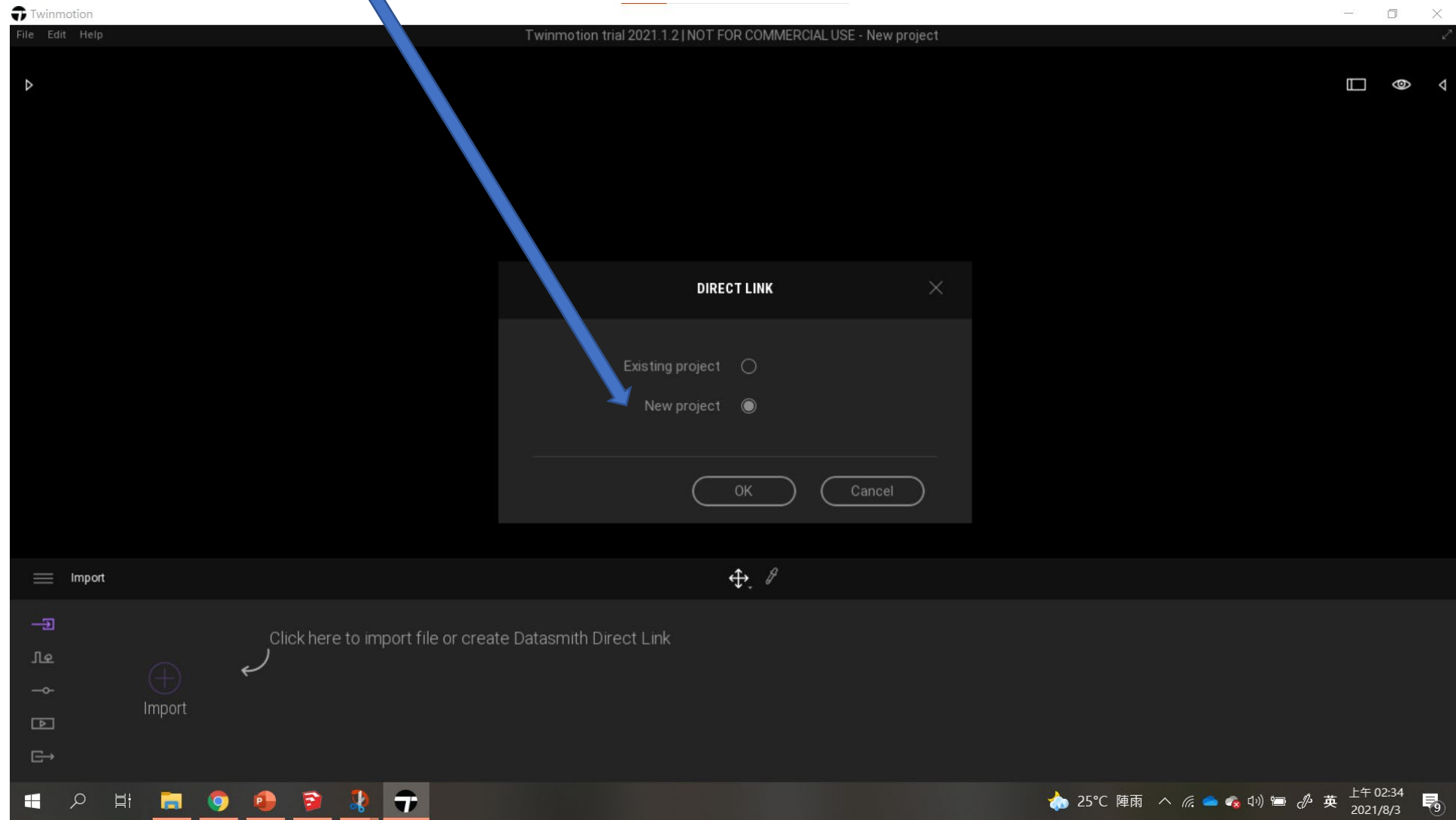
DLG_SETTINGS_CONN: Twinmotion 2021.1 ▾

DLG_PLUGIN_VERSION

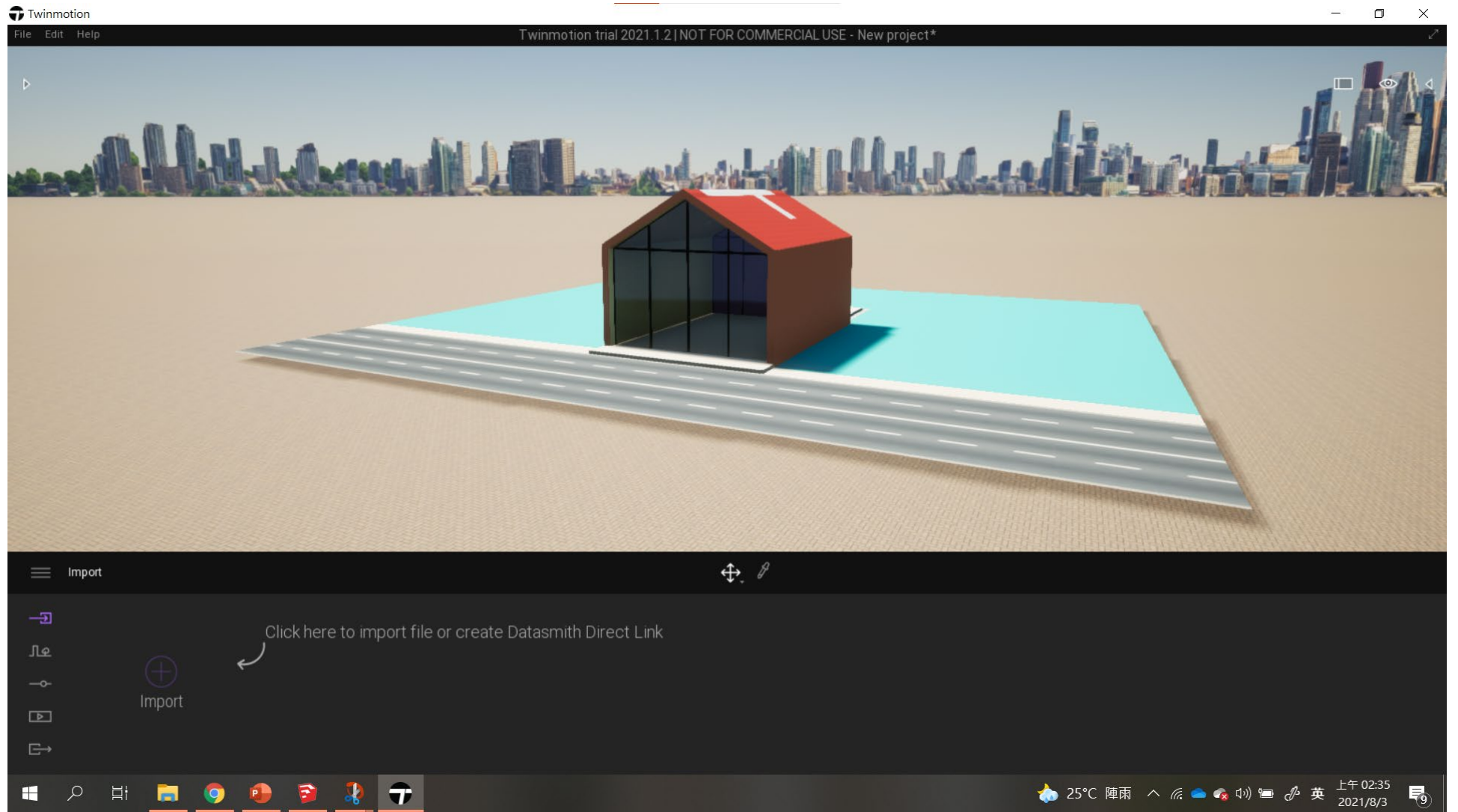
首次按下  會直接啟動TM(當然TM要先安裝好)



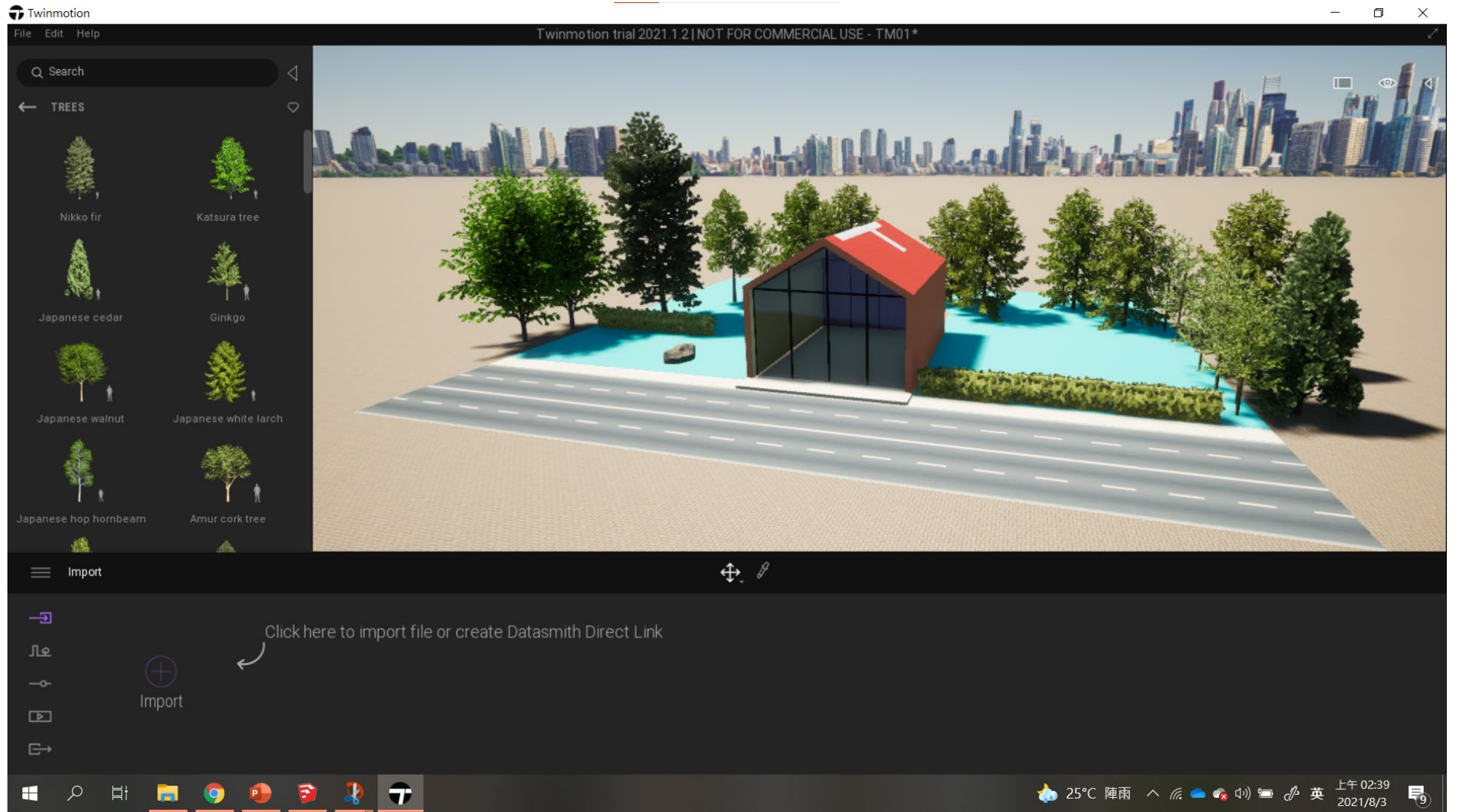
第一次選擇新專案，並點選Ok按鈕



直接匯入TM成功

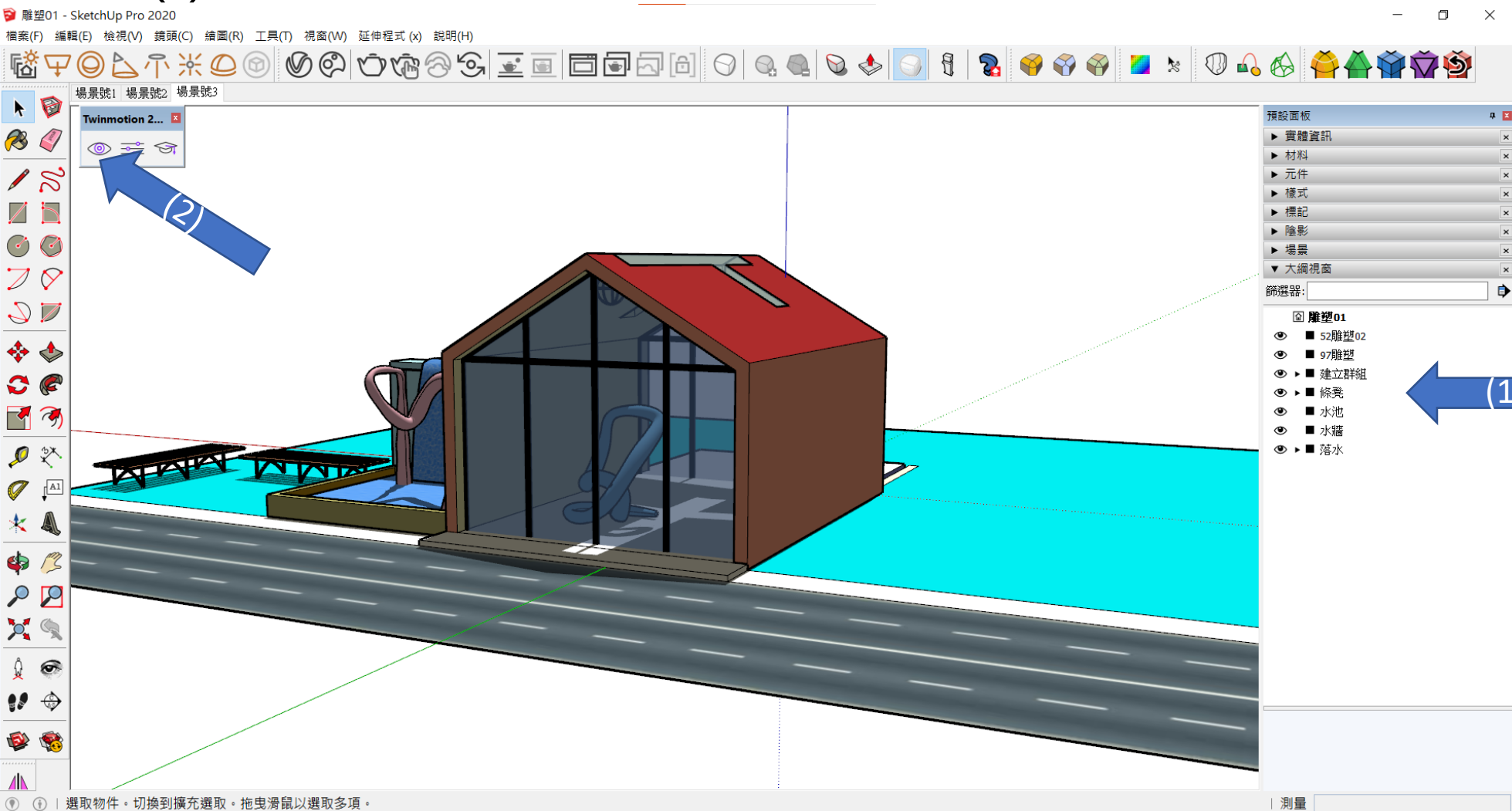


先簡單加入樹木、灌木、石頭等TM物件



回到SKP

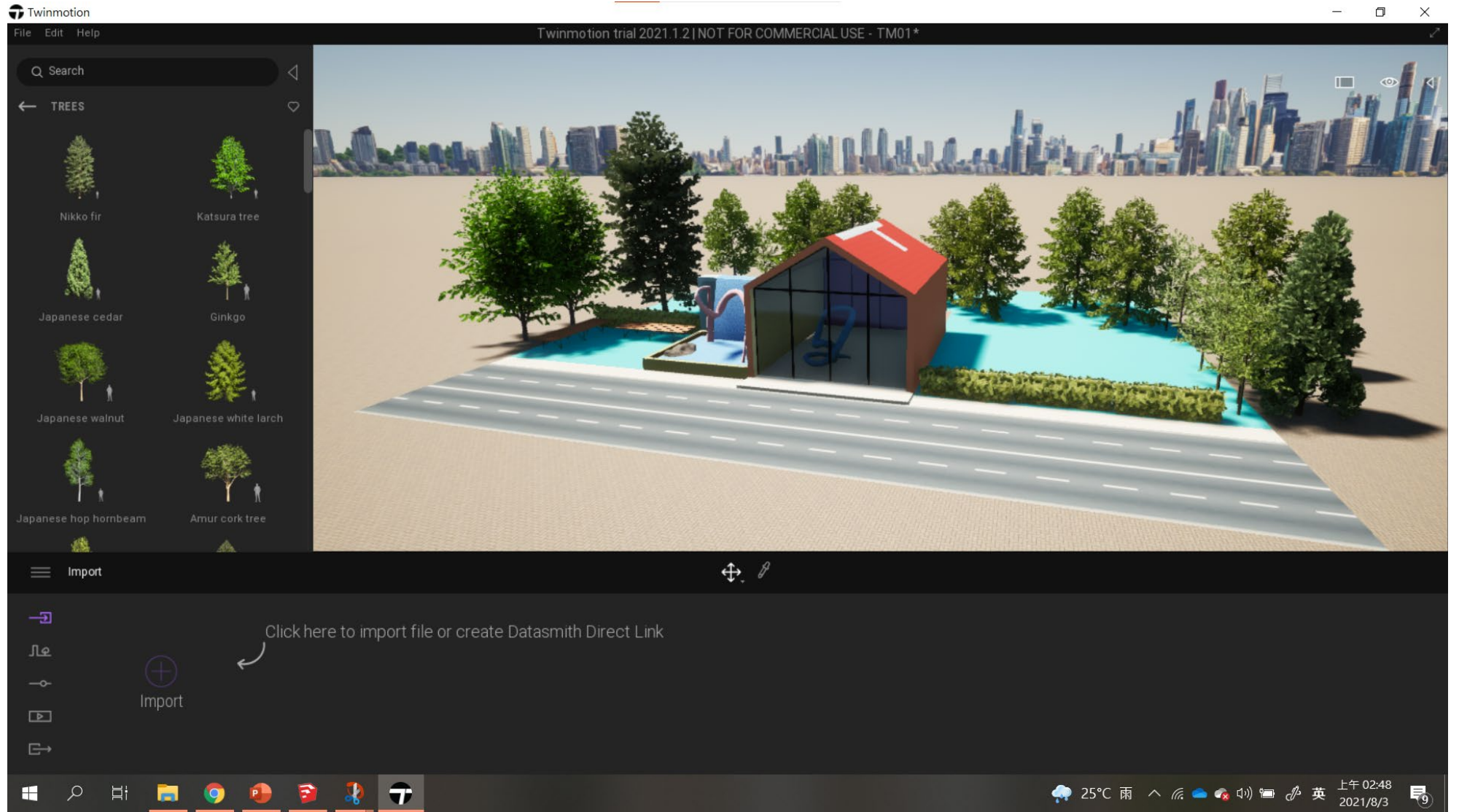
- (1)在大綱模式中選擇要顯示的群組代表SKP檔案已經更動
- (2)點選同步TM按鈕



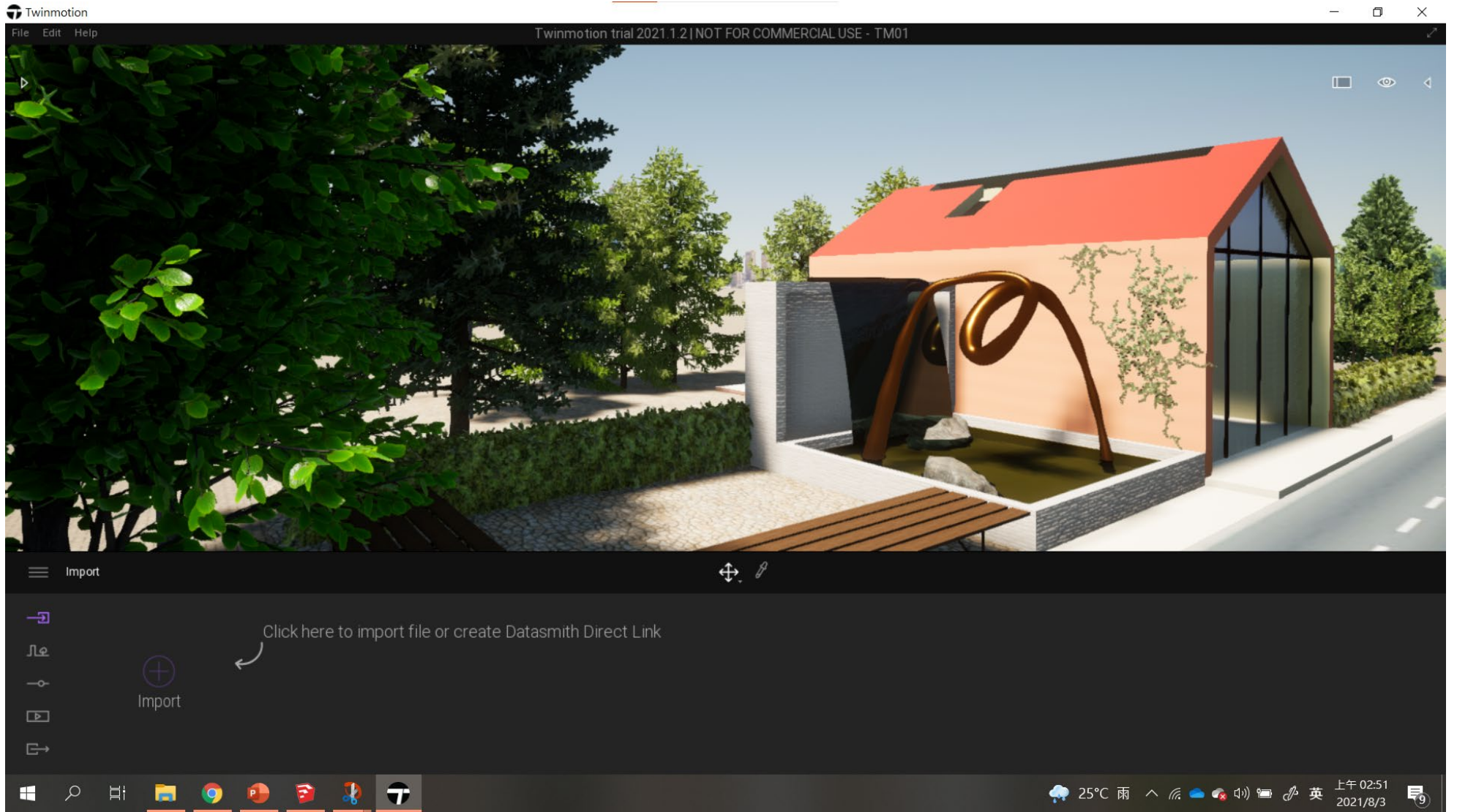
原有大綱模式



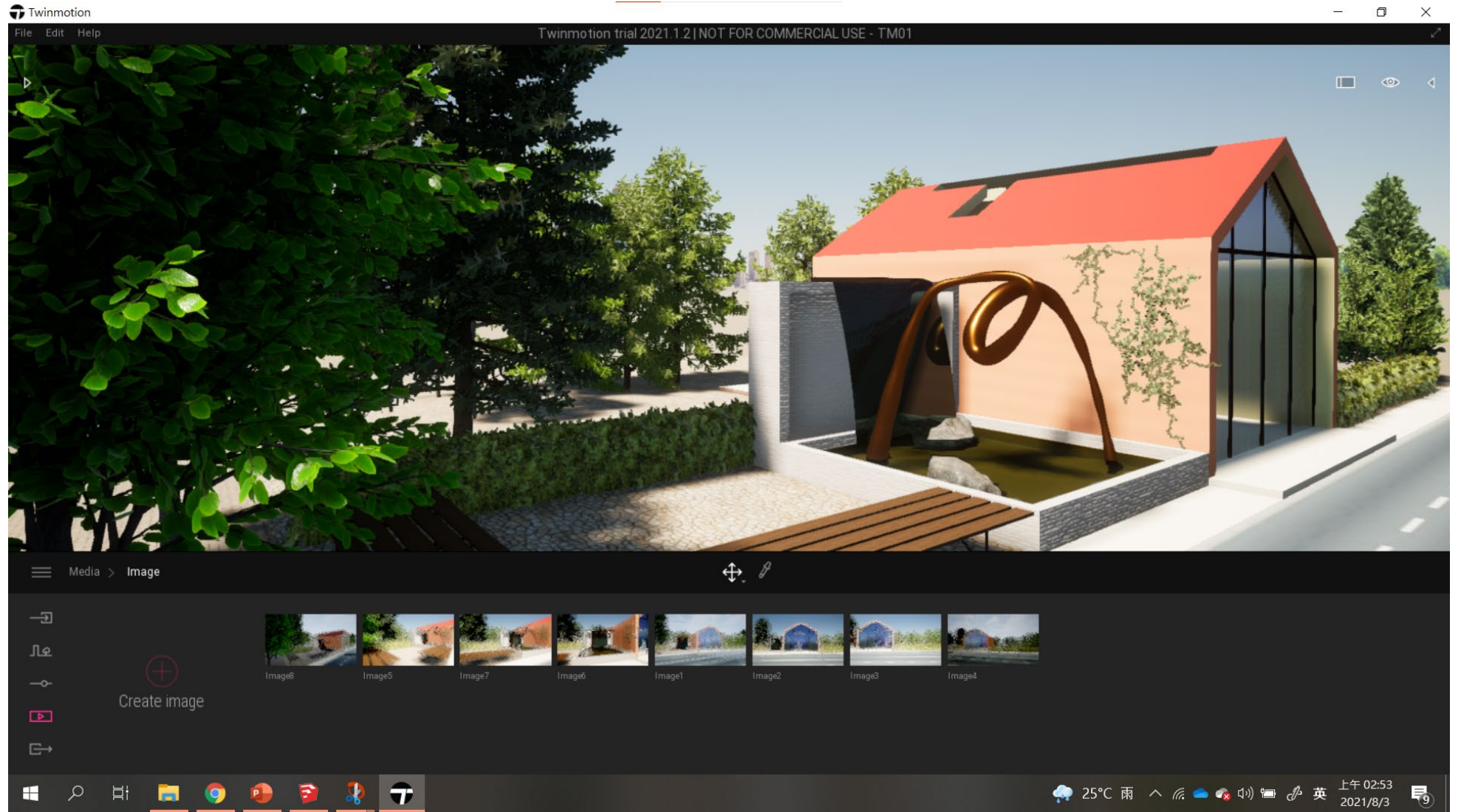
房子的左側物件均正確同步出現



簡單設定必要材質



設定影像image鏡頭位置與天氣等資訊

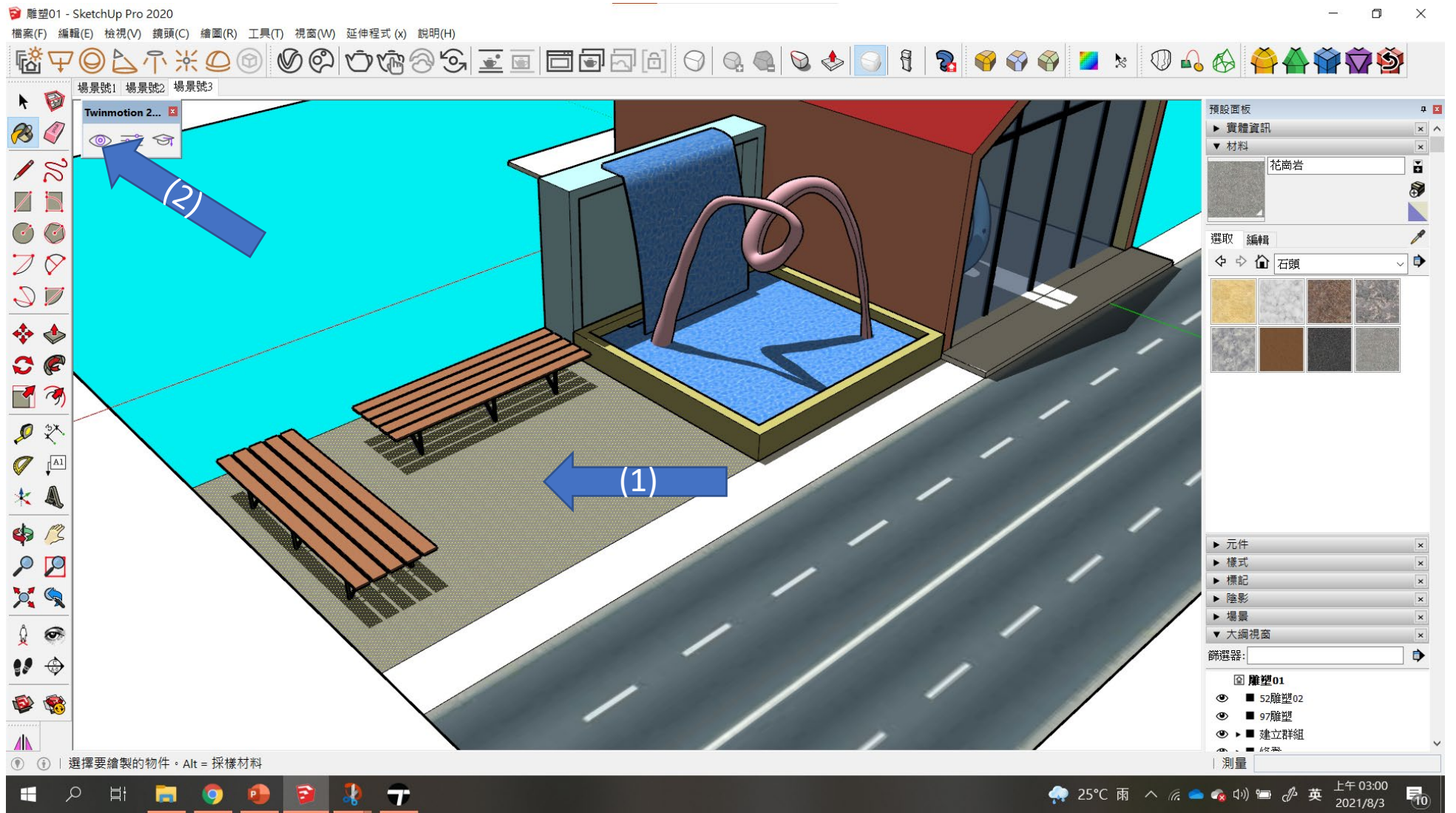


輸出Export即可獲得2k渲染圖

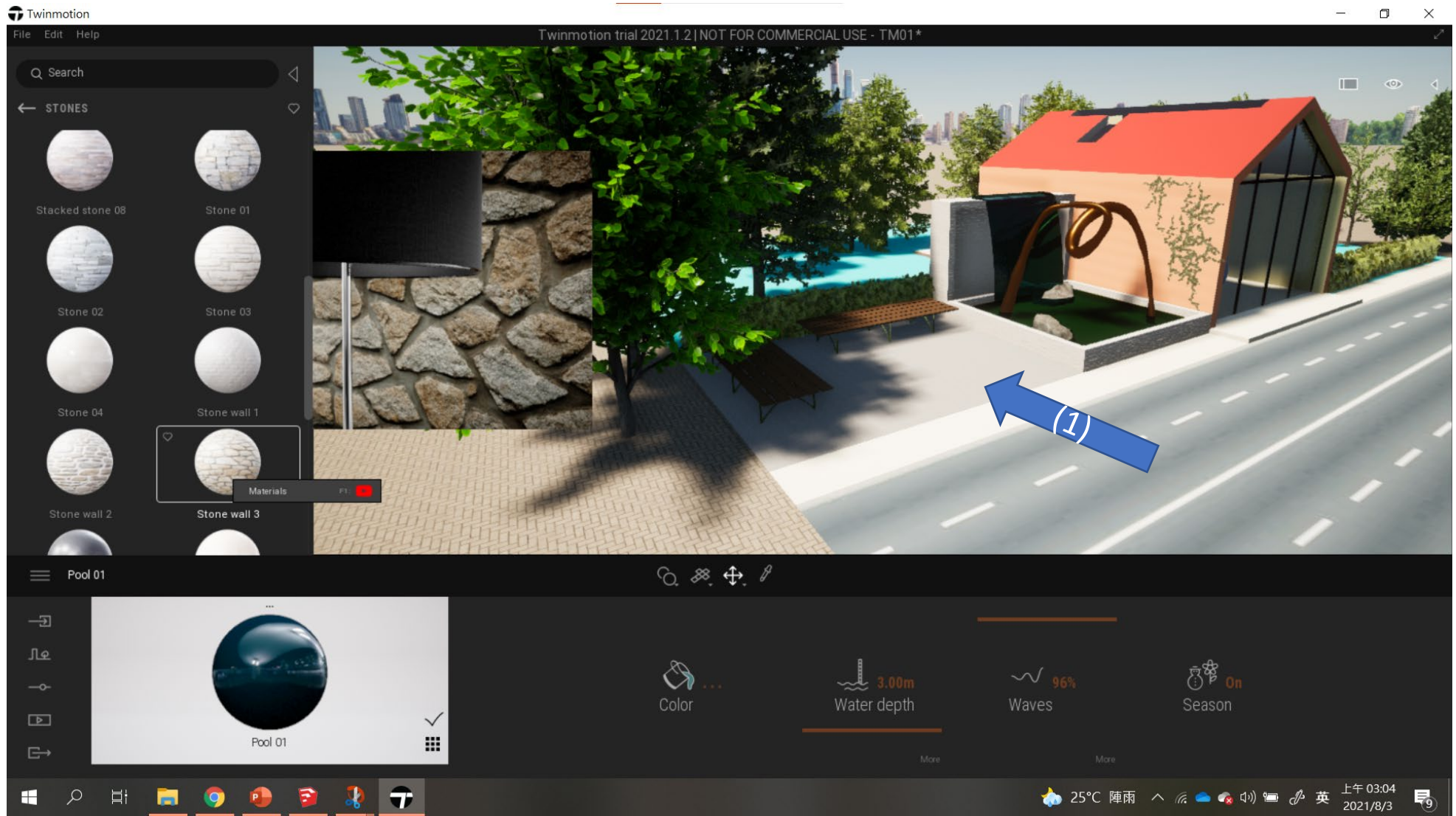


回SKP將條凳下的

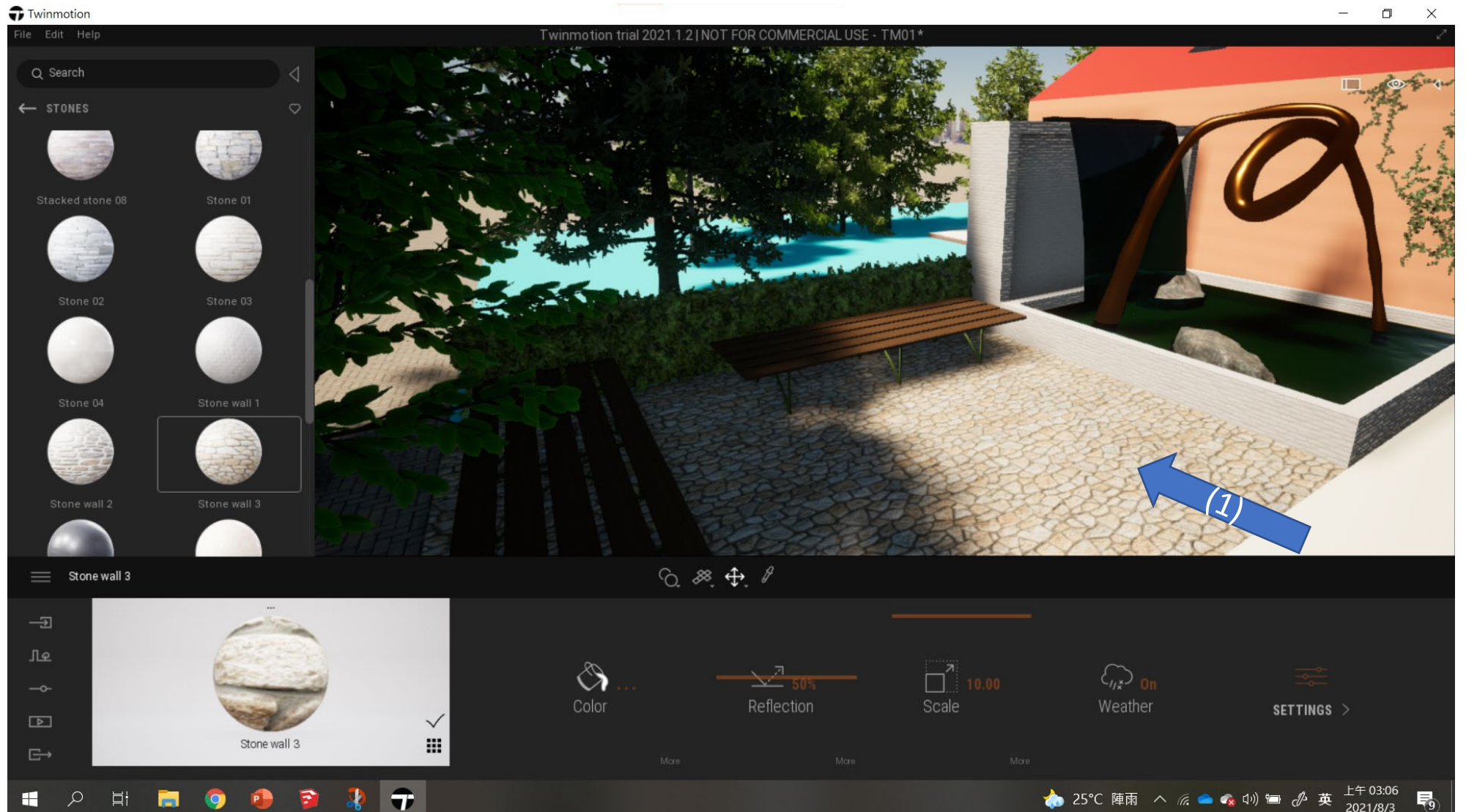
(1)地板設定不同顏色材質，(2)再按同步TM按鈕

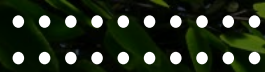


TM會正確顯示不同色塊，且不影響其他材質的設定

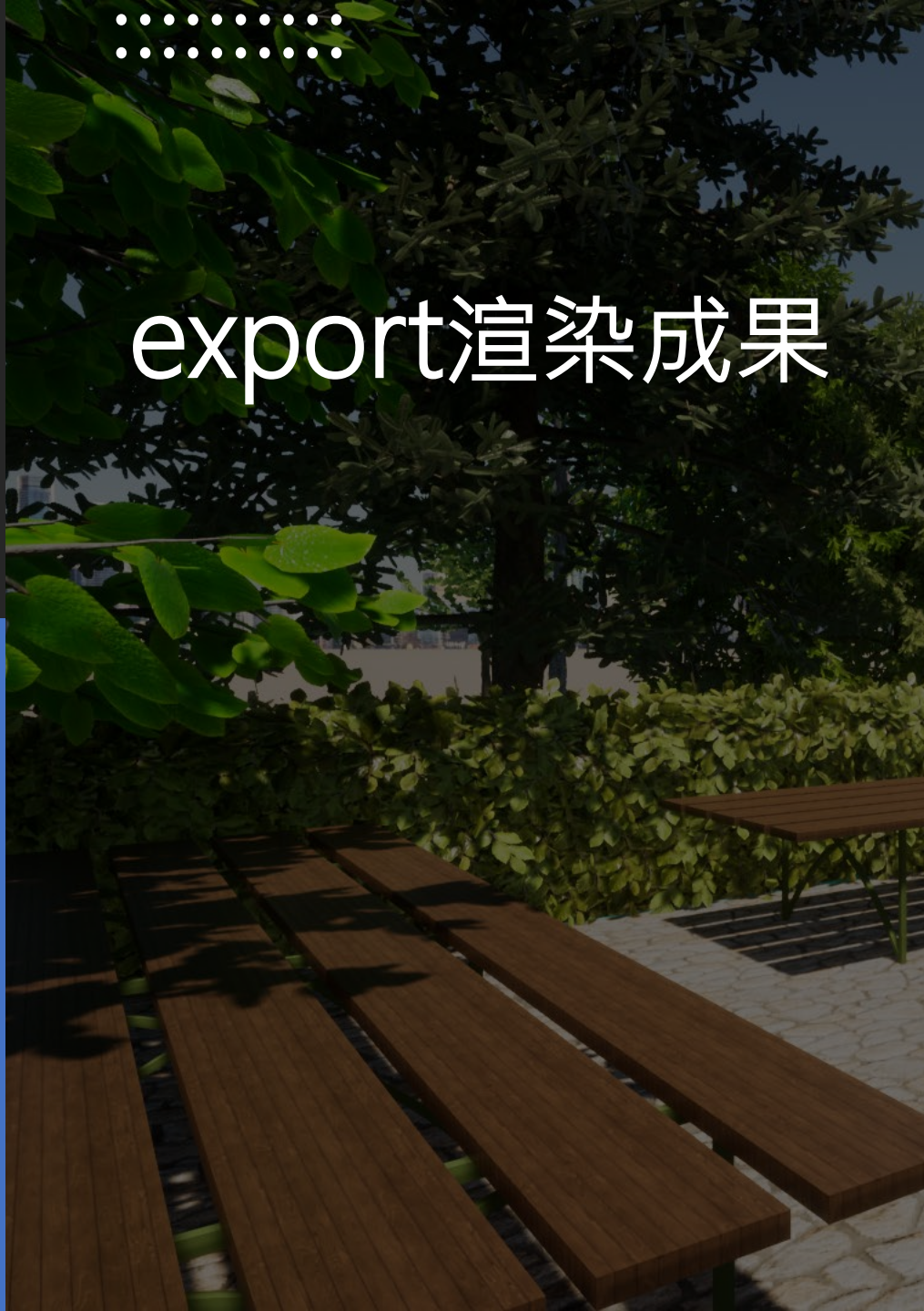


TM即可輕易給定不同材質





export渲染成果



Twinmotion Direct Link plugins

真的可以提升很高的效率，同學試試看!!