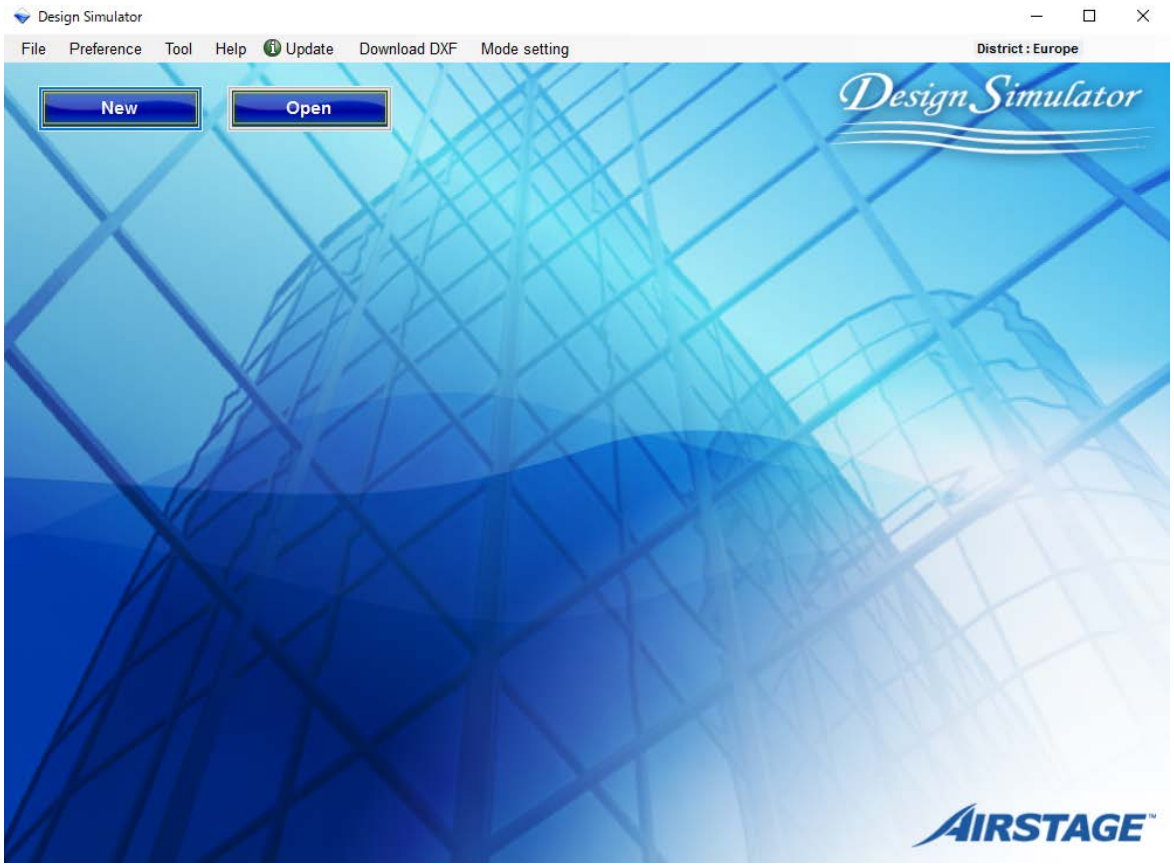
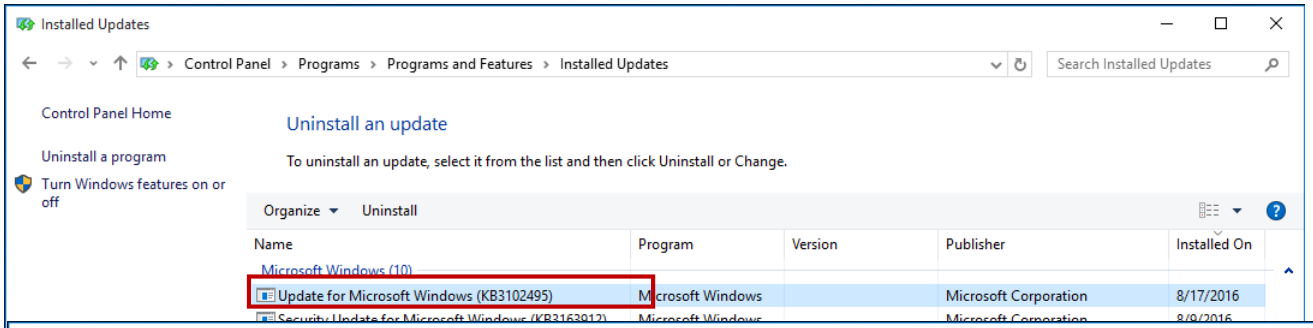
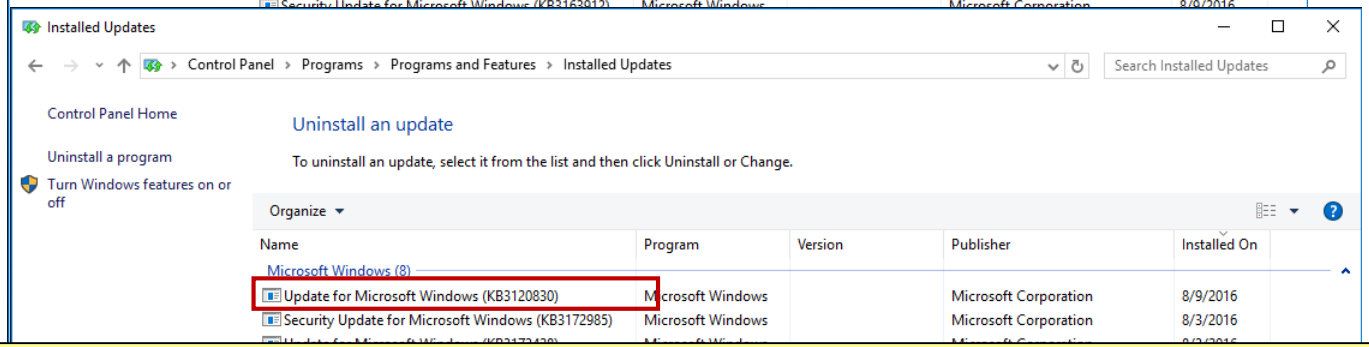
FUJITSU GENERAL 選機軟體（FGDS）



安裝

選機軟體





要開啟這個軟體, Microsoft. Software named ”.Net Framework4.6.1” 是非常重要的
請確認電腦控制面板中是否存在程序中的軟件。
如果沒有安裝成功,在下面的網站上描述安裝方法。
https://www.microsoft.com/en-US/download/details.aspx?id=49982

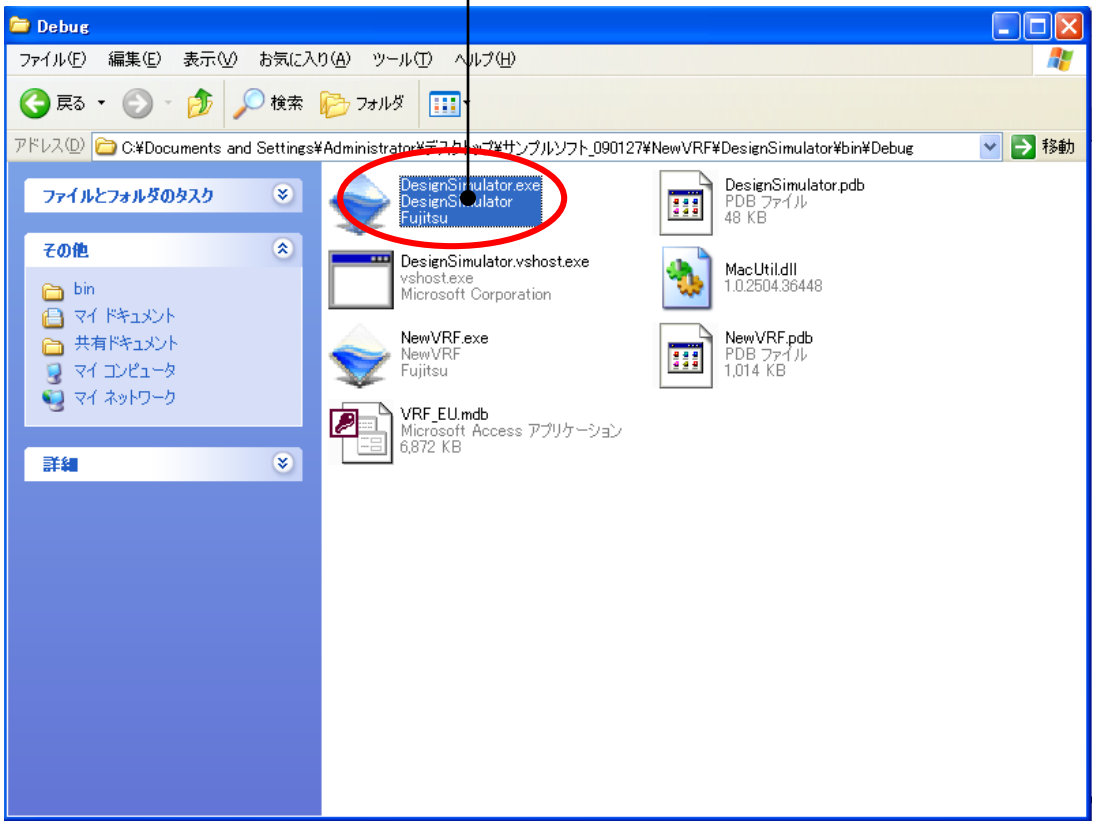
請參閱以下內容進行安裝Design Simulator.
https://ssl.fujitsu-general.com/g-global/support/tool/data/appendix_vrf/20170525/ds_install-manual.pdf

初始設定

選機軟體

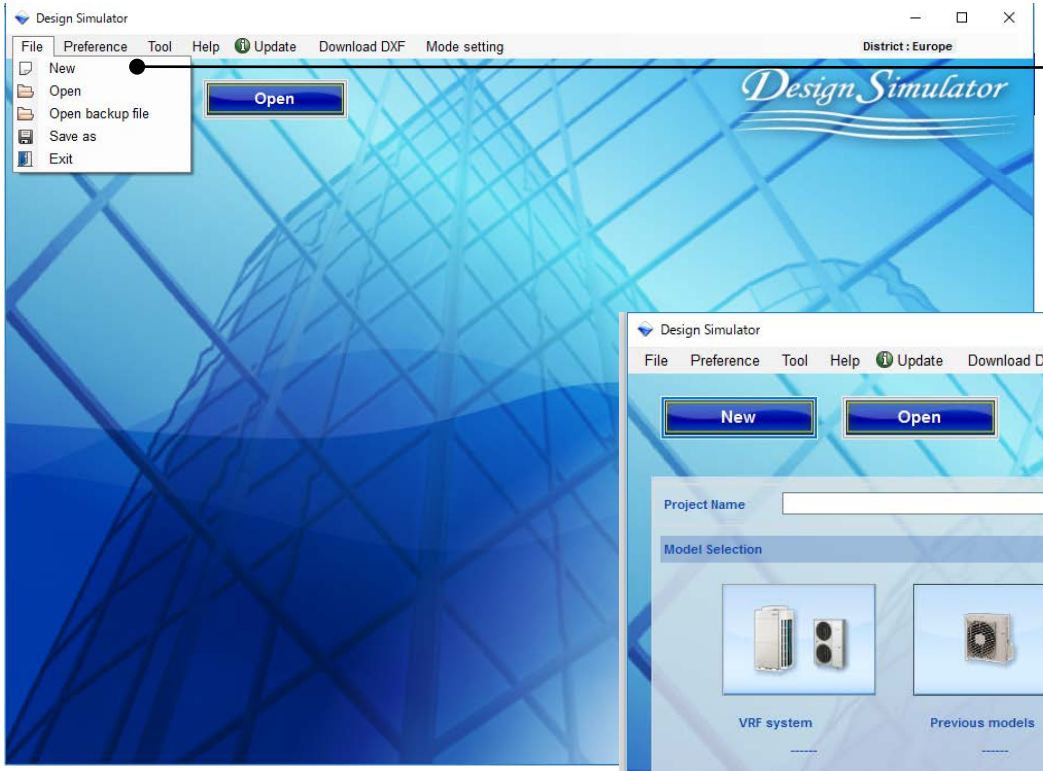
從設計模擬器的資料夾中下載

點選Design Simulator exe.



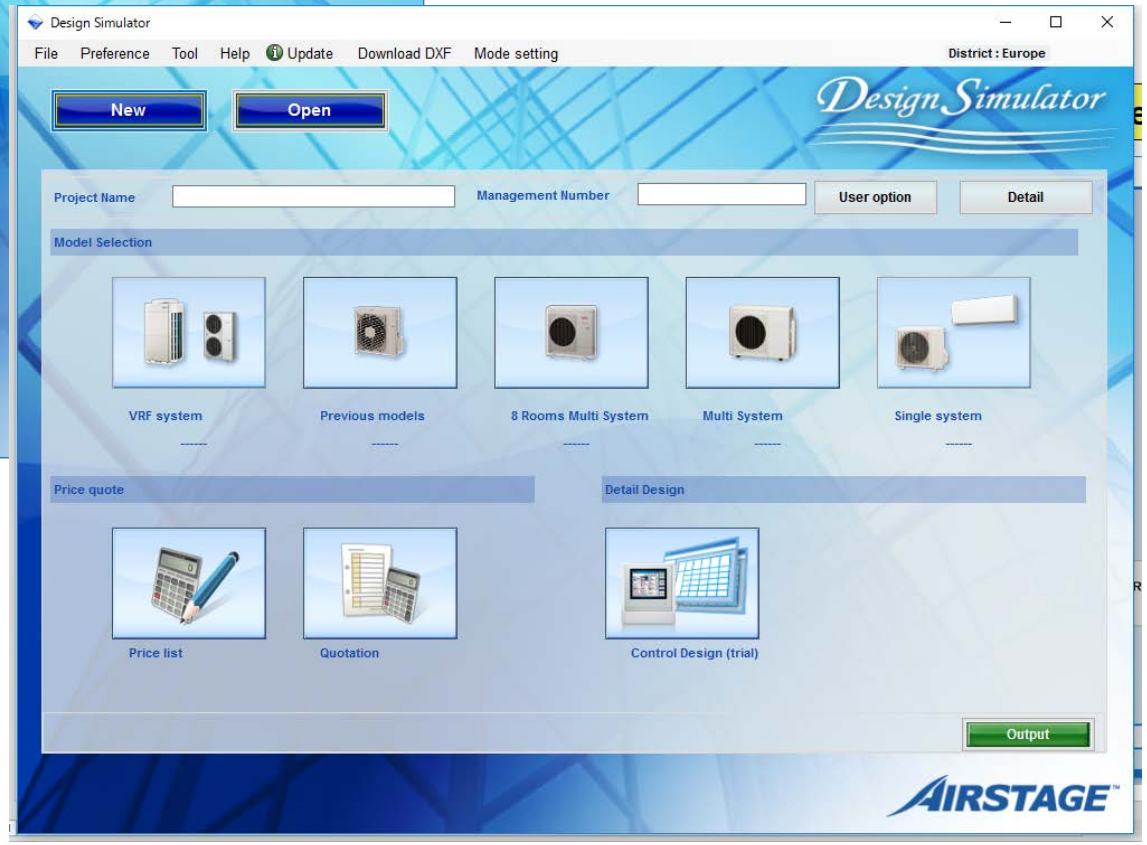
初始設定(檔案)

新的



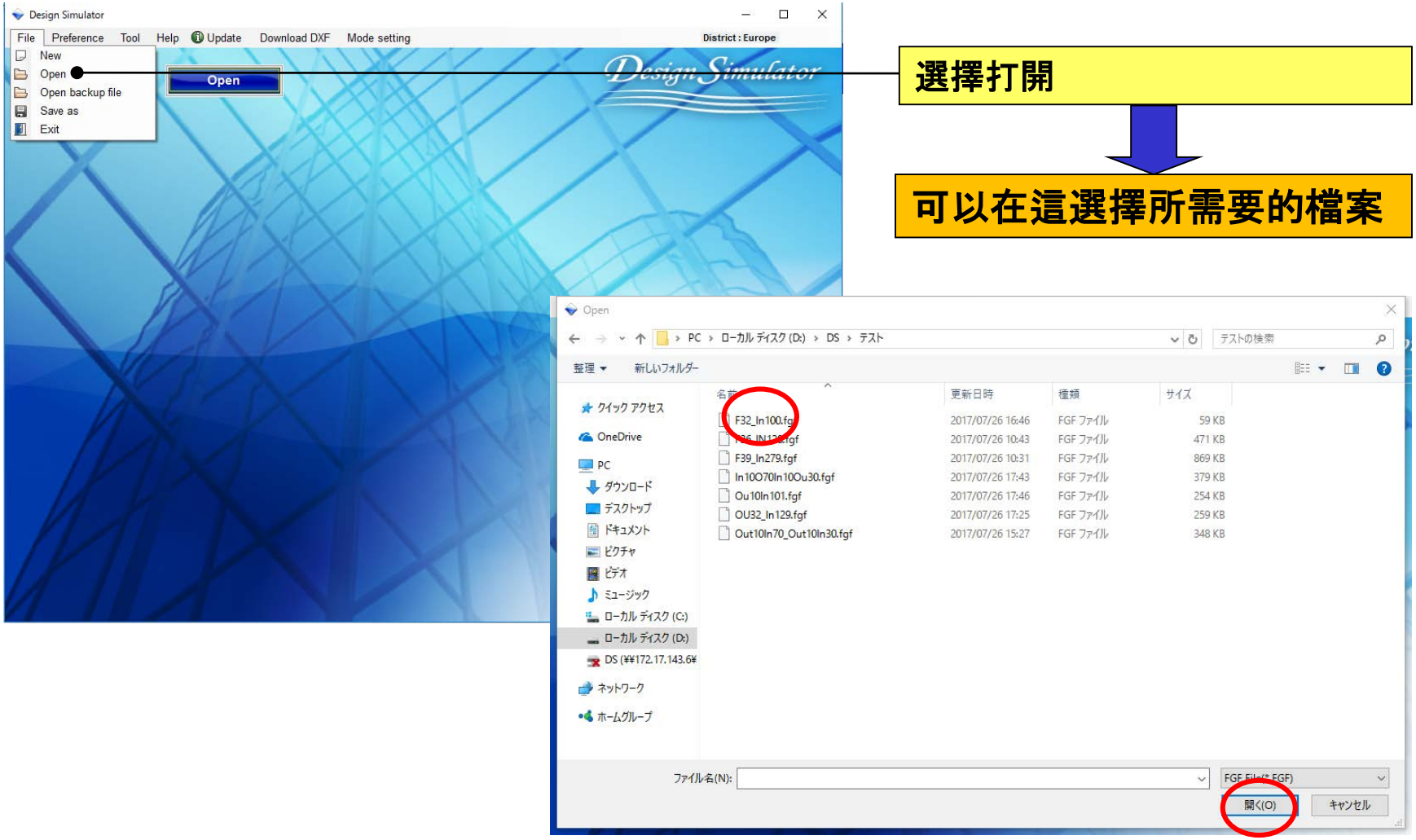
選擇 “新的”

打開設計模擬器的計畫案



初始設定(檔案)

開啟檔案

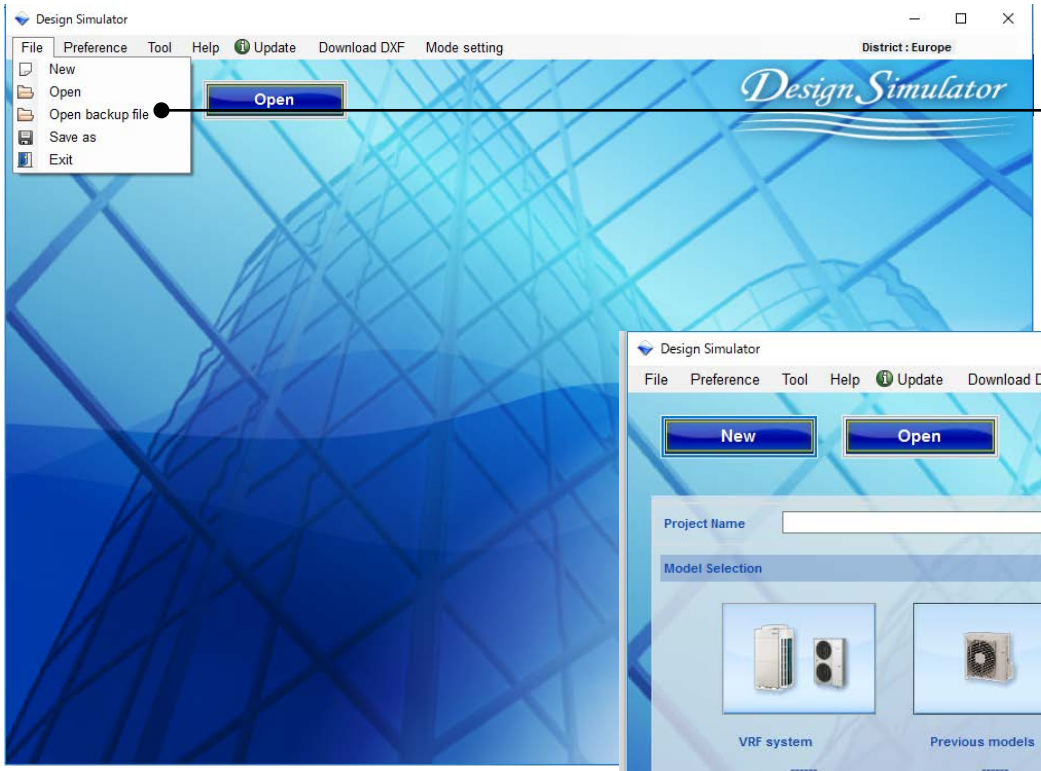


選擇打開

可以在這選擇所需要的檔案

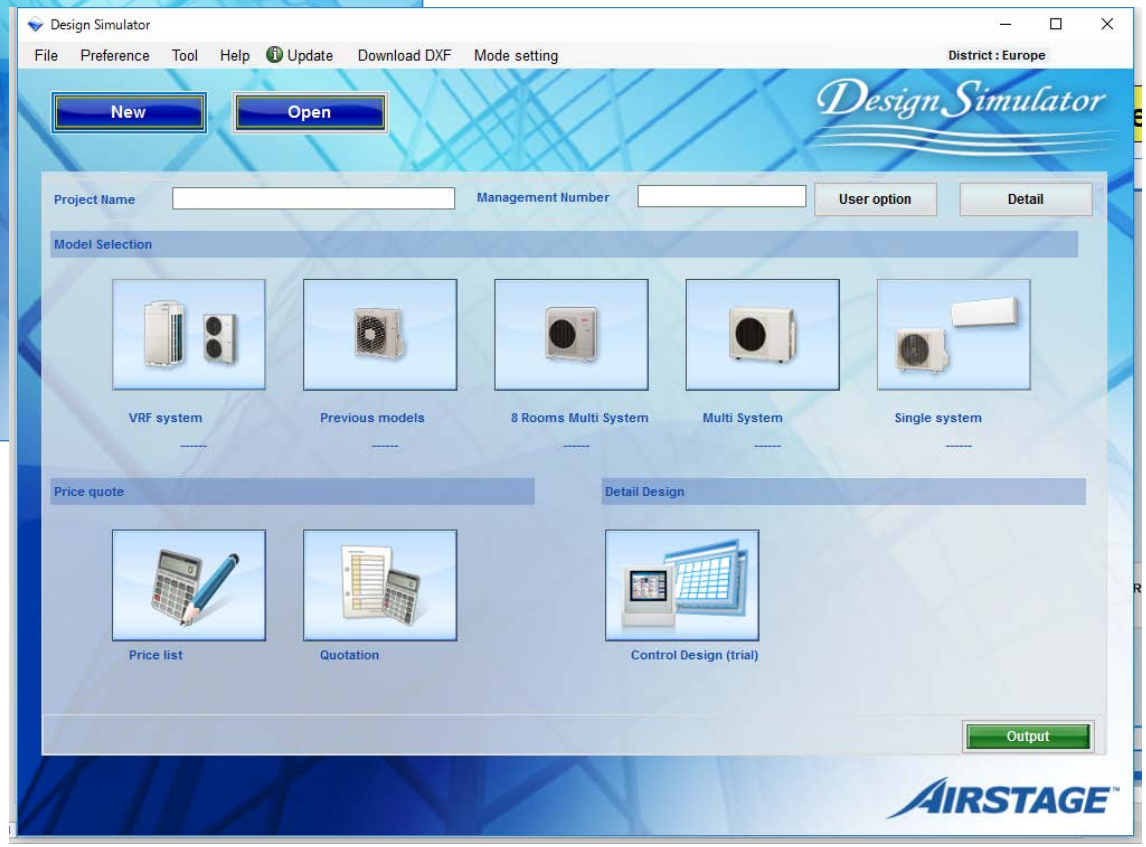
初始設定(檔案)

打開備份文件



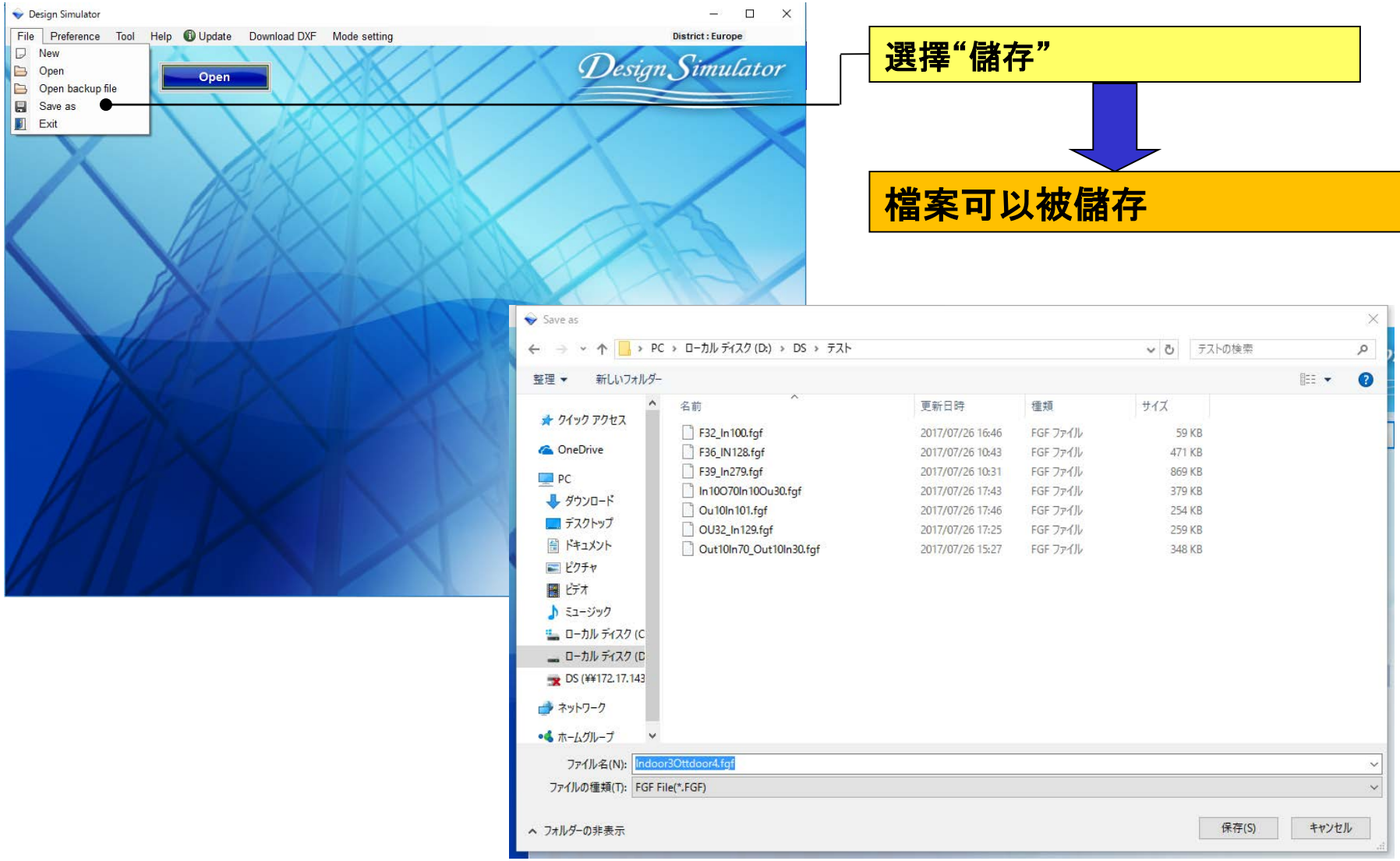
選擇“打開備份文件”

自動讀取已保存的數據



初始設定(檔案)

存檔


Design Simulator
File
Preference
Tool
Help
Update
Download DXF
Mode setting
District : Europe
New
Open
Open backup file
Save as
Exit
Open
Design Simulator
選擇“儲存”
檔案可以被儲存
Save as
PC › ローカル ディスク (D:) › DS › テスト
テストの検索
整理
新しいフォルダー
名前
更新日時
種類
サイズ
F32_In100.fgf 2017/07/26 16:46 FGF ファイル 59 KB
F36_IN128.fgf 2017/07/26 10:43 FGF ファイル 471 KB
F39_In279.fgf 2017/07/26 10:31 FGF ファイル 869 KB
In10O70In10Ou30.fgf 2017/07/26 17:43 FGF ファイル 379 KB
Ou10In101.fgf 2017/07/26 17:46 FGF ファイル 254 KB
OU32_In129.fgf 2017/07/26 17:25 FGF ファイル 259 KB
Out10In70_Out10In30.fgf 2017/07/26 15:27 FGF ファイル 348 KB
ファイル名(N): Indoor3Ottdoor4.fgf
ファイルの種類(T): FGF File(*.FGF)
フォルダーの非表示
保存(S)
キャンセル

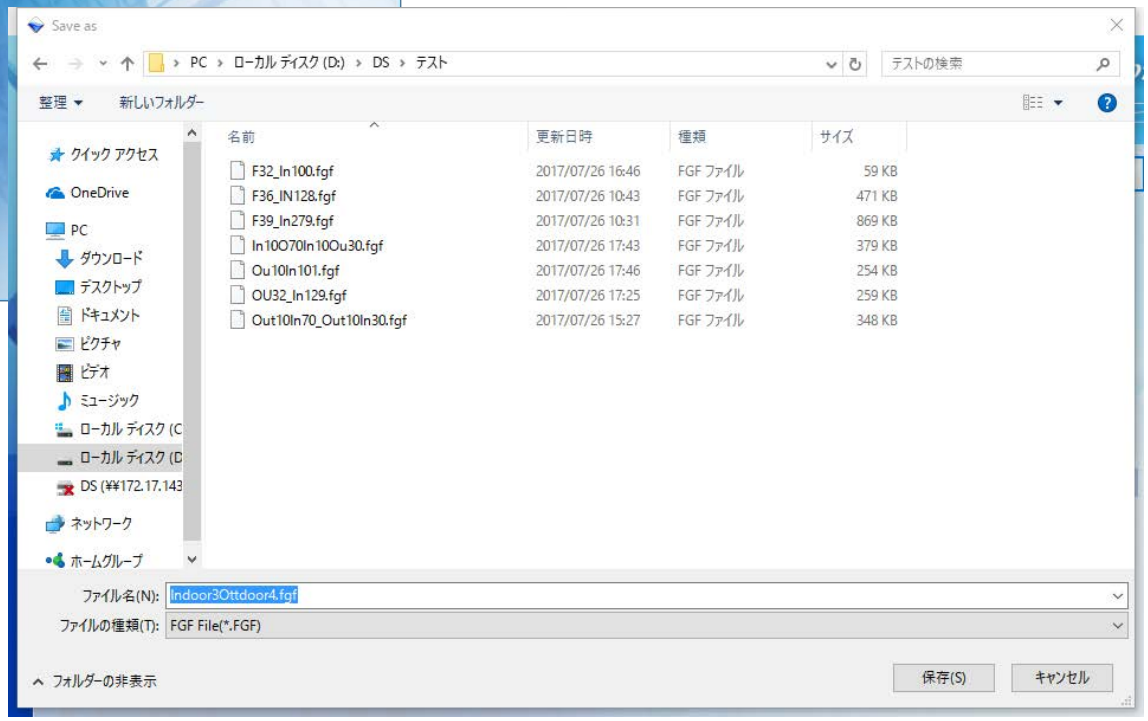
初始設定(檔案)

離開

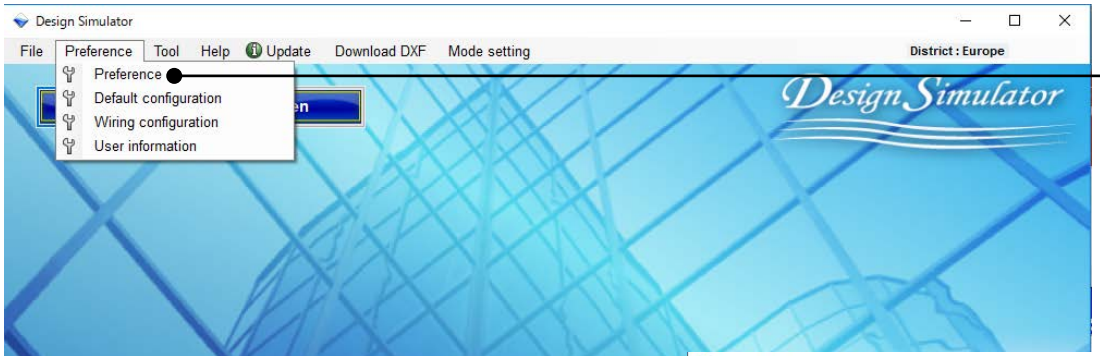
選擇離開

除非檔案還有要編輯，要不然會直接離開

如果你編輯了了一個項目，你是否想要保存它。

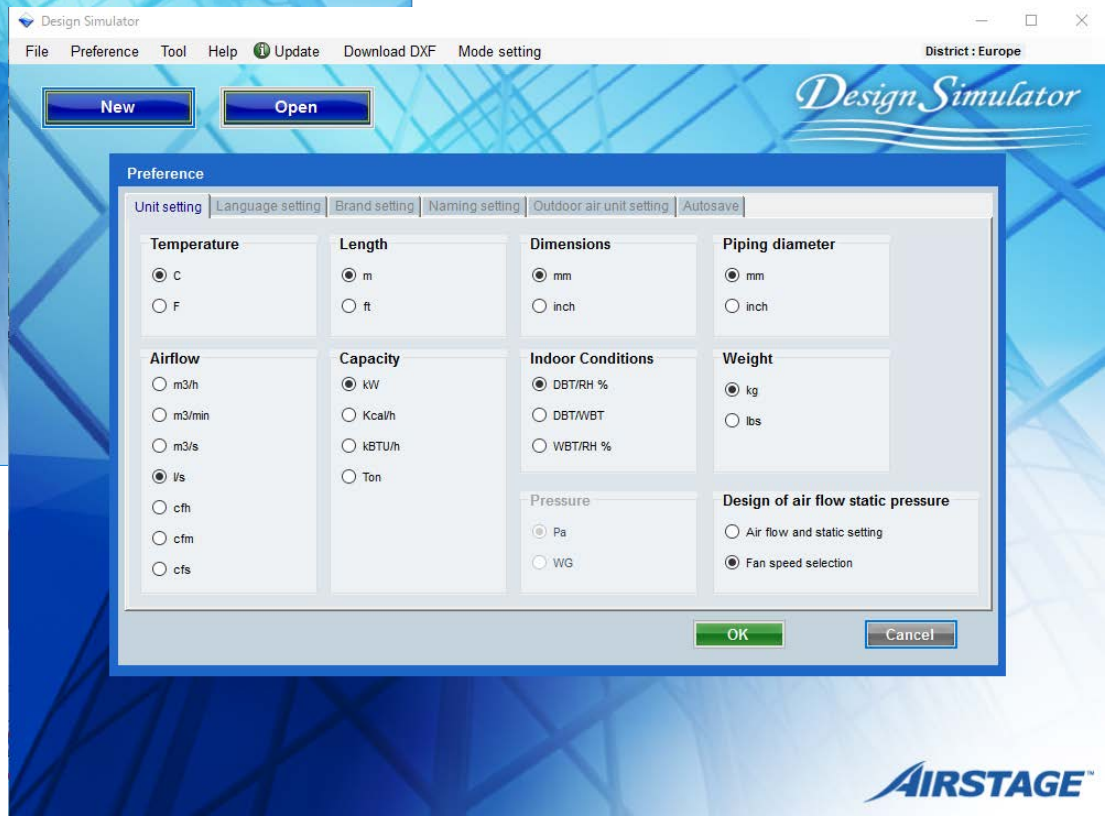


初始設定(優先)



選擇“優先選擇”

打開優先選擇清單



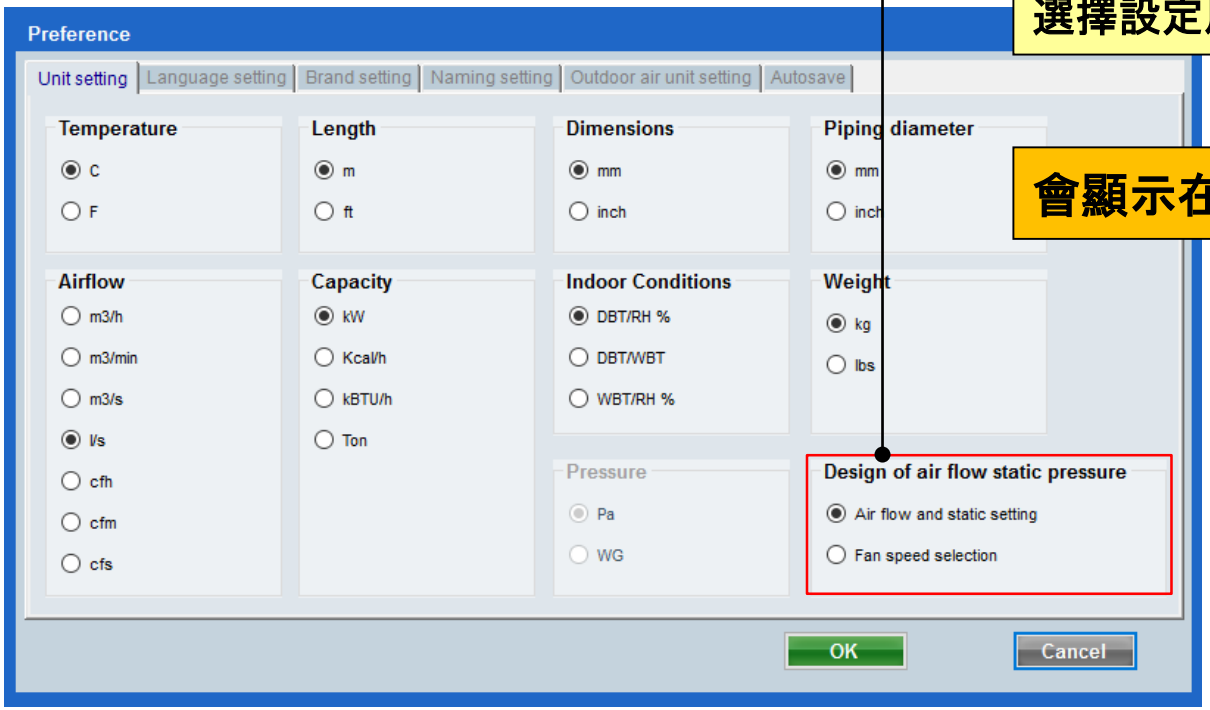
初始設定(優先)

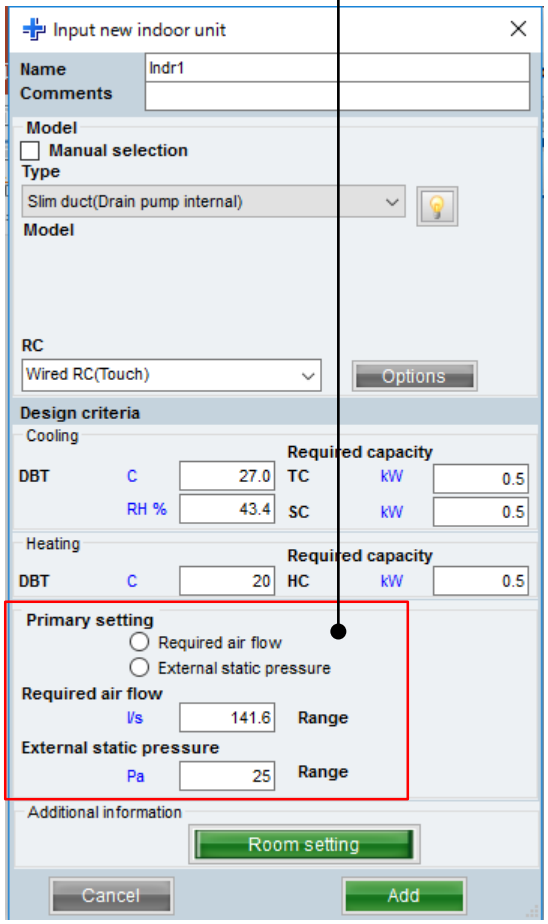
選機軟體

機器設定(1/2)

設定風量靜壓設計
選擇設定風量靜壓設定

會顯示在室內機的設定清單上



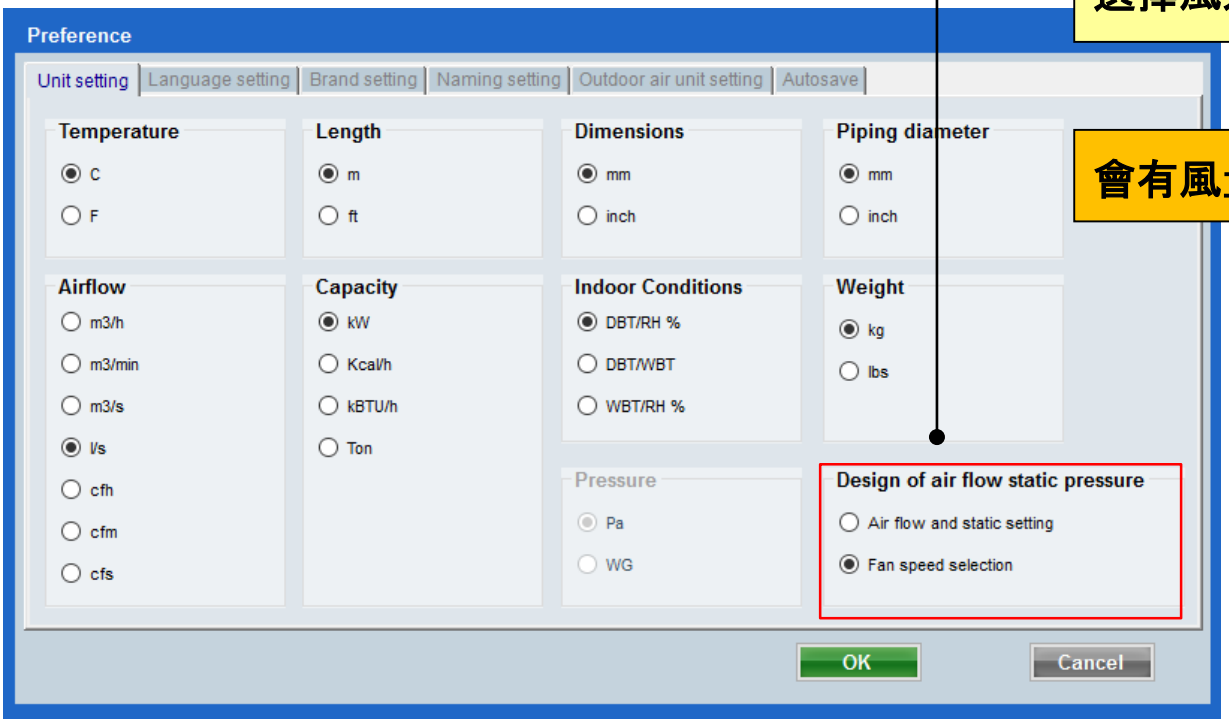


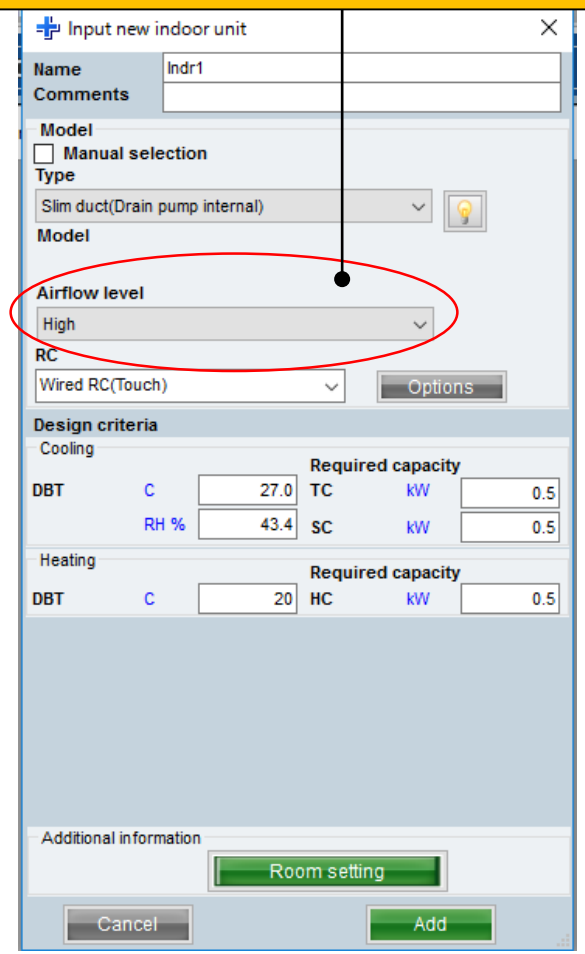
初始設定(優先)

機器設定(2/2)

設定風量靜壓設計
選擇風速選擇

會有風量程度可以選擇



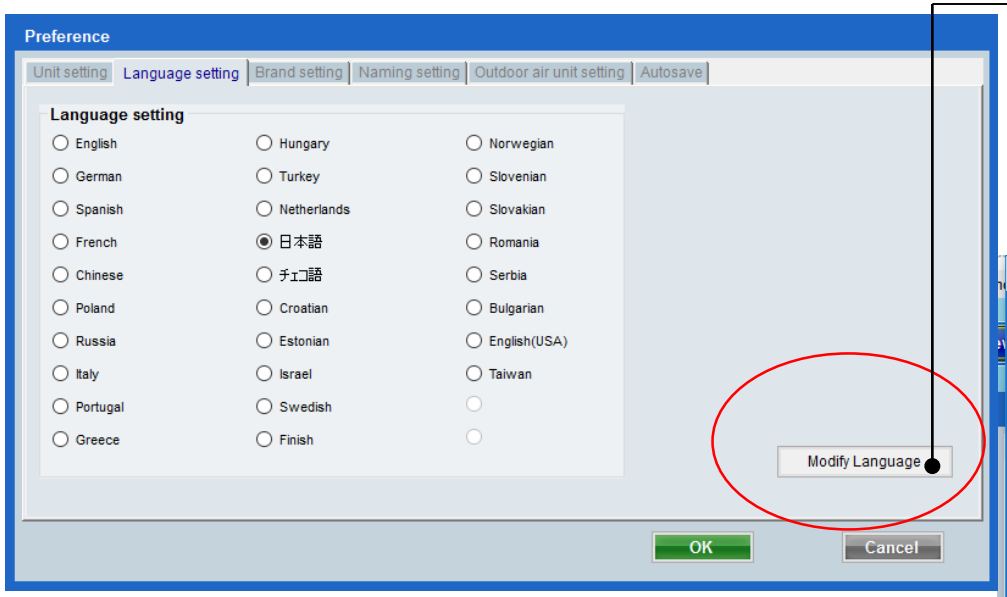


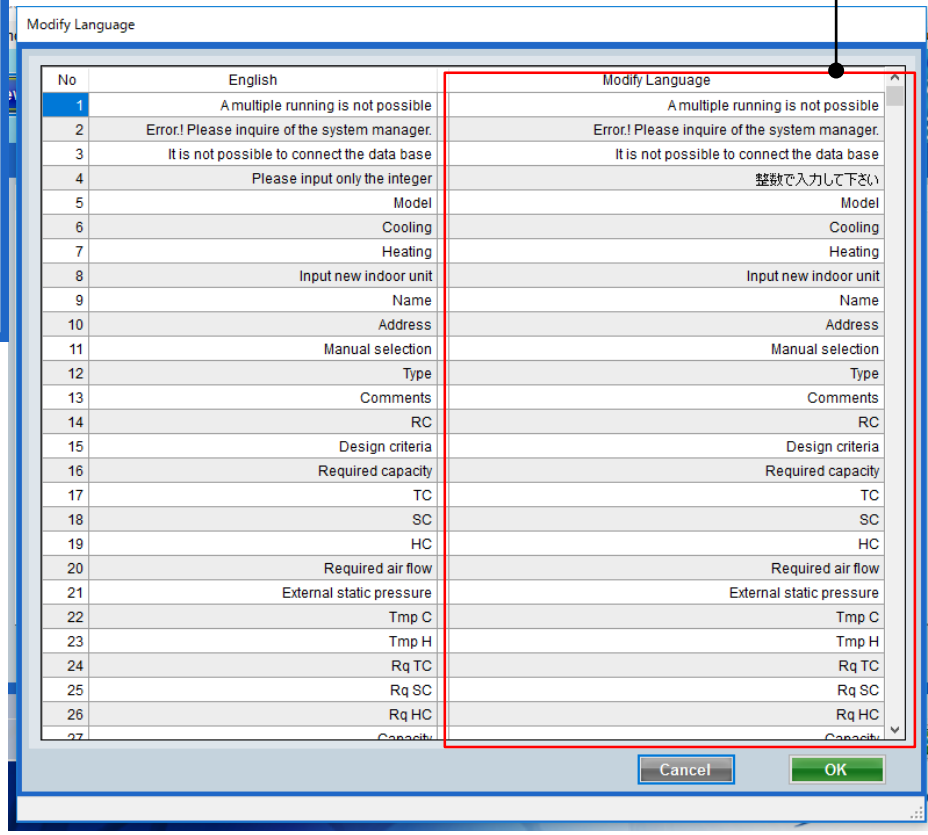
初始設定(優先)

設定語言

選擇“語言修改”

語言修改



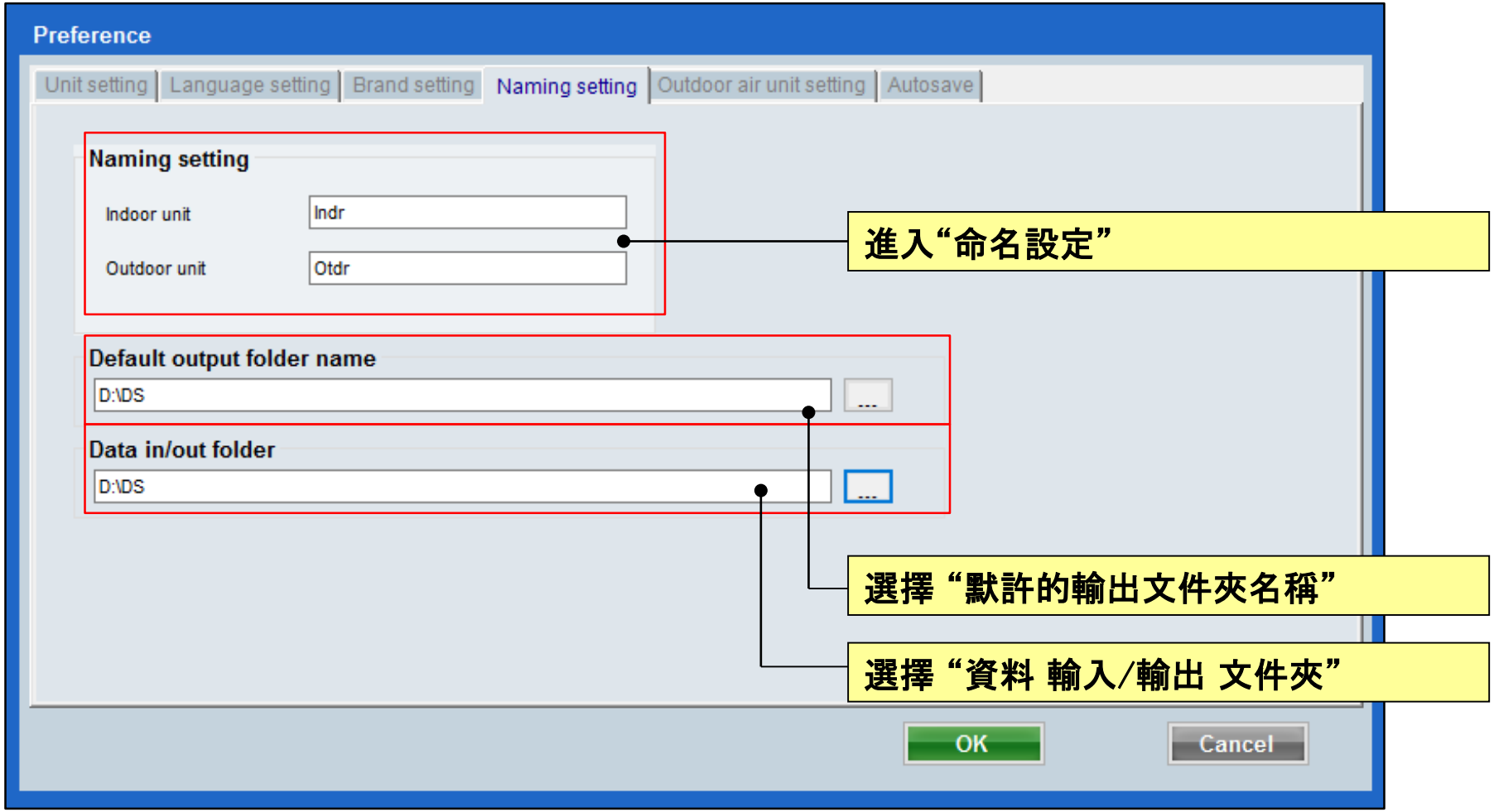


No	English	Modify Language
1	A multiple running is not possible	A multiple running is not possible
2	Error.! Please inquire of the system manager.	Error.! Please inquire of the system manager.
3	It is not possible to connect the data base	It is not possible to connect the data base
4	Please input only the integer	整数で入力して下さい
5	Model	Model
6	Cooling	Cooling
7	Heating	Heating
8	Input new indoor unit	Input new indoor unit
9	Name	Name
10	Address	Address
11	Manual selection	Manual selection
12	Type	Type
13	Comments	Comments
14	RC	RC
15	Design criteria	Design criteria
16	Required capacity	Required capacity
17	TC	TC
18	SC	SC
19	HC	HC
20	Required air flow	Required air flow
21	External static pressure	External static pressure
22	Tmp C	Tmp C
23	Tmp H	Tmp H
24	Rq TC	Rq TC
25	Rq SC	Rq SC
26	Rq HC	Rq HC

廠牌設定

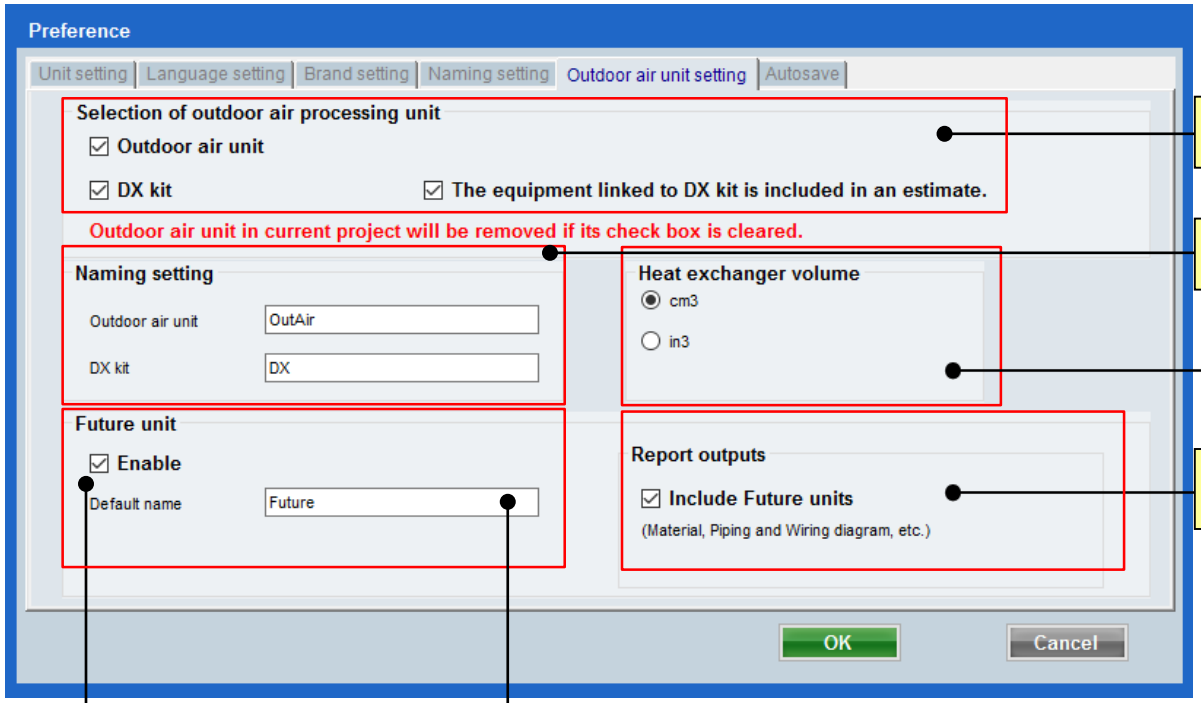
Preference
Unit setting
Language setting
Brand setting
Naming setting
Outdoor air unit setting
Autosave
Brand Name
FUJITSU
GENERAL
District
Europe
China
USA, Canada
Australia
Brazil
Asia
Taiwan
Hong Kong
Middle East
選擇“區域”
廠牌是不能被變更的
OK
Cancel

命名設定


Preference
Unit setting
Language setting
Brand setting
Naming setting
Outdoor air unit setting
Autosave
Naming setting
Indoor unit
Indr
Outdoor unit
Otdr
Default output folder name
D:\DS
Data in/out folder
D:\DS
OK
Cancel
進入“命名設定”
選擇“默許的輸出文件夾名稱”
選擇“資料 輸入/輸出 文件夾”

初始設定(優先)

設定室外空氣處理機組(1/3)



選擇“室外空氣處理機組”

名稱設定

設定“熱交換體積”

設定“輸出報告”

選擇啟用

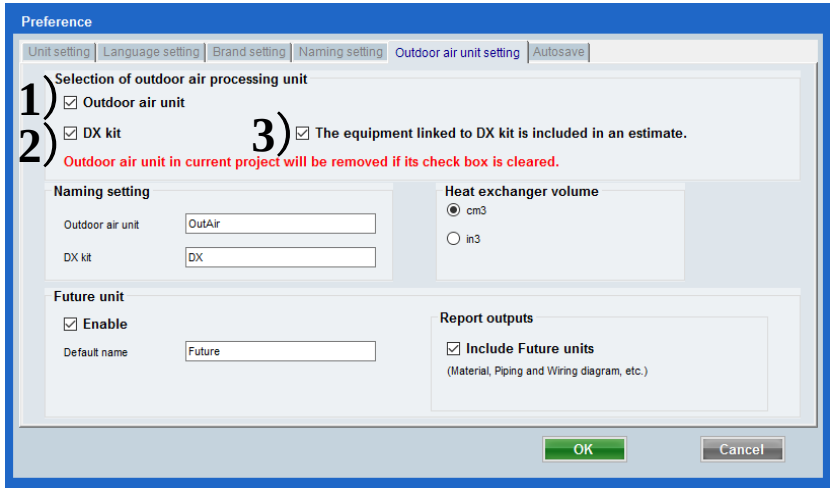
輸入

包含不確定的室內機(the future additional minutes),可以進行配管和室外機的選擇。

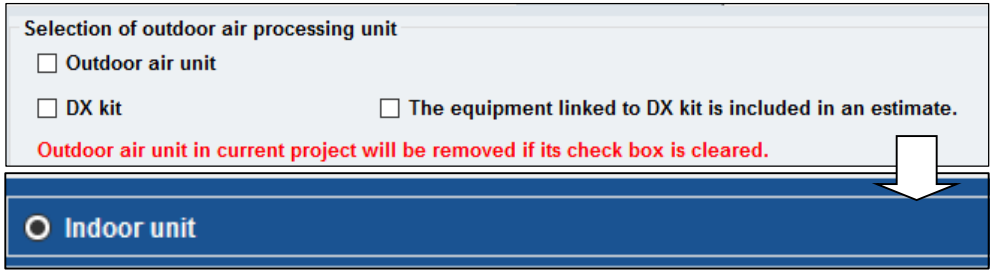
初始設定(優先)

設定室外空氣處理機組(2/3)

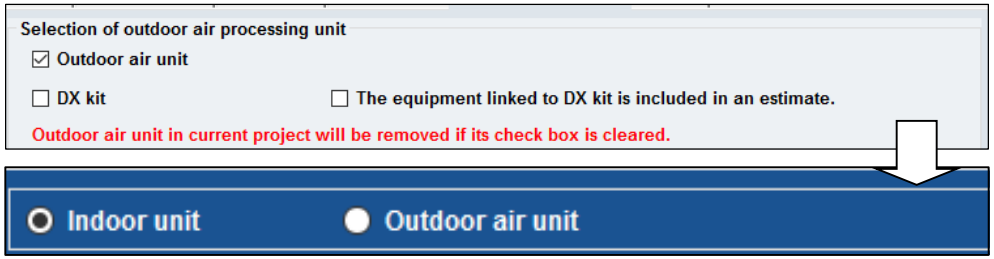
選擇“選擇室外空氣機組”之後“室內機”屏幕視窗會有所改變



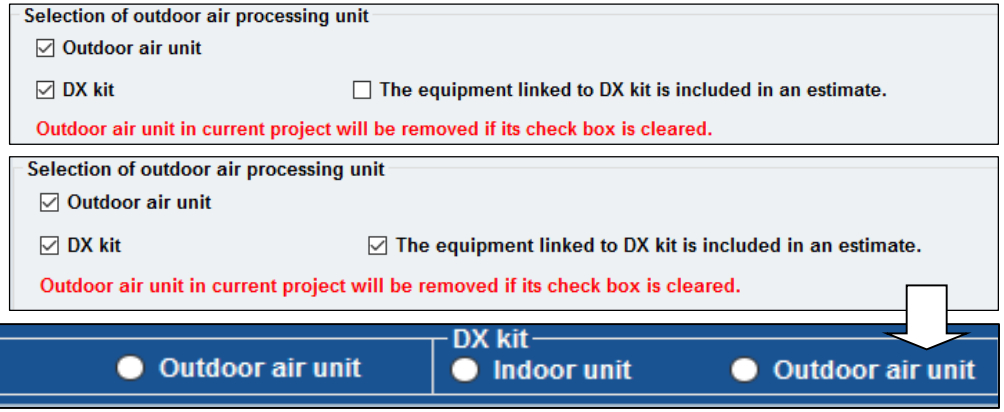
1)



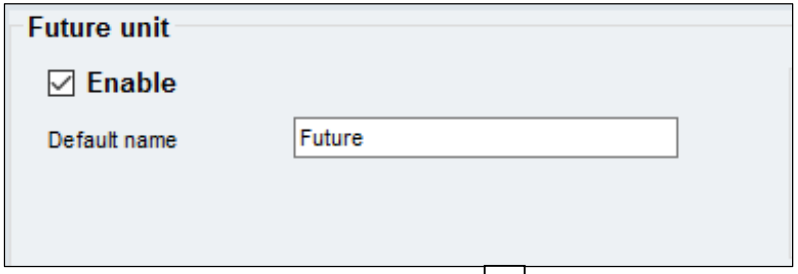
2)



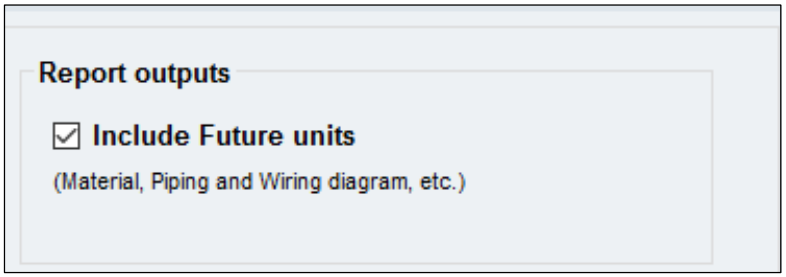
3)



設定室外空氣處理機組(3/3)



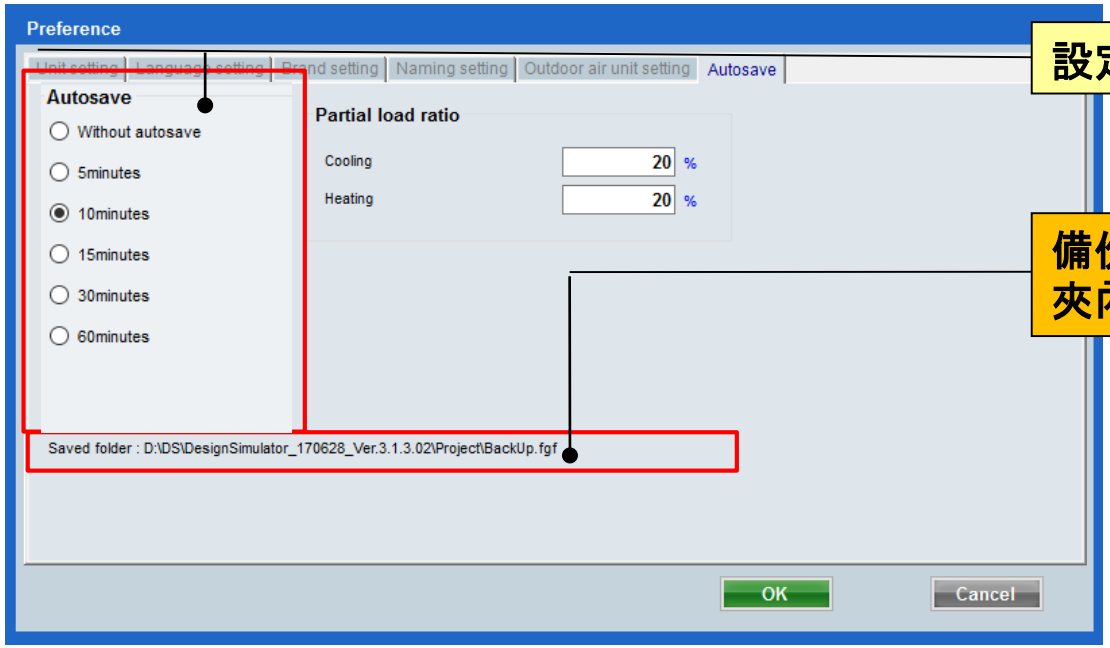
選擇“選擇室外空氣機組”之後“室內機”屏幕視窗會有所改變



選擇“選擇室外空氣機組”之後“報告書出”屏幕視窗會有所改變

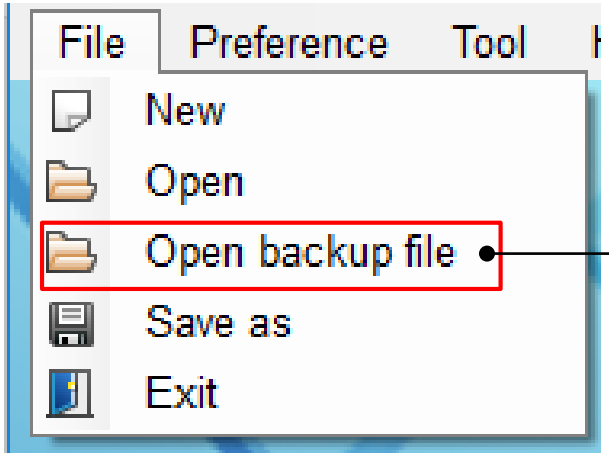
初始設定(優先)

自動儲存設定



設定自動儲存的頻率

備份的檔案將在選定的時間內儲存在資料夾內



備份檔案可以從這裡打開

初始設定(優先)

設定負載頻率

選擇“部分負載率”

反映在室外機的視窗上　選擇“部分負載率”

輸入“部分負載率”

將會反映在“部分負載率”上

可以通過合併室內機的部分操作來選擇室外機“部分負載比例

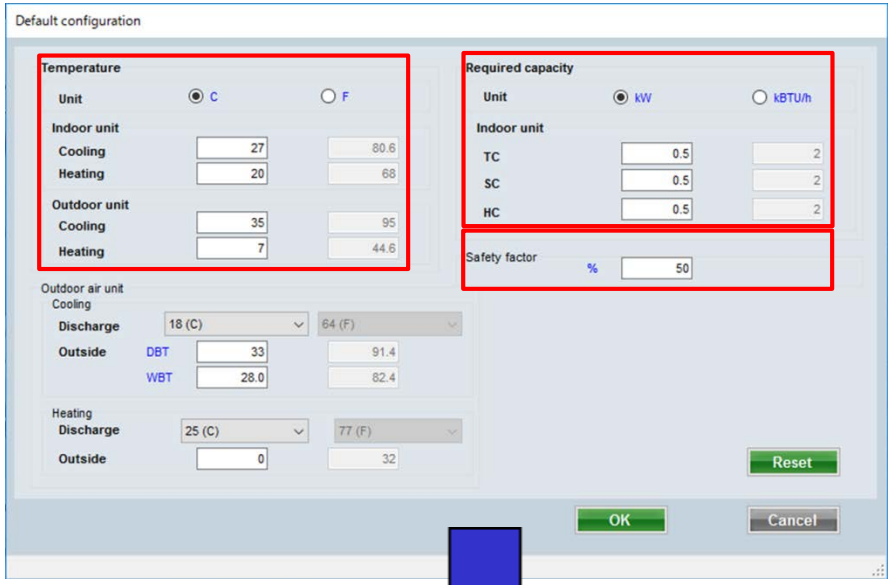
初始設定(默認配置)

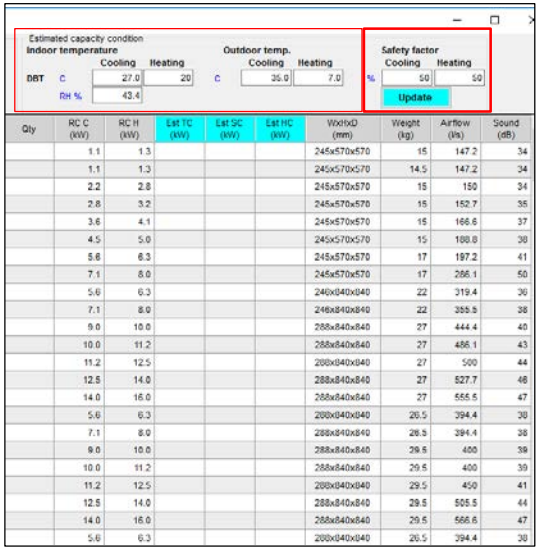
Design Simulator
File
Preference
Tool
Help
Update
Download DXF
Mode setting
District : Europe
Preference
Default configuration
Wiring configuration
User information
選擇“確認裝置”
打開確認裝置清單
New
Open
Default configuration
Temperature
Unit
C
F
Indoor unit
Cooling
27
80.6
Heating
20
68
Outdoor unit
Cooling
35
95
Heating
7
44.6
Outdoor air unit
Cooling
Discharge
18 (C)
64 (F)
Outside
DBT
33
91.4
WBT
28.0
82.4
Heating
Discharge
25 (C)
77 (F)
Outside
0
32
Required capacity
Unit
kW
kBTU/h
Indoor unit
TC
0.5
2
SC
0.5
2
HC
0.5
2
Safety factor
%
50
Reset
Cancel
Output
溫度單位選擇
輸入溫度
選擇溫度
輸入溫度
輸入安全比例
輸入室內機能力
選擇“要求能力”

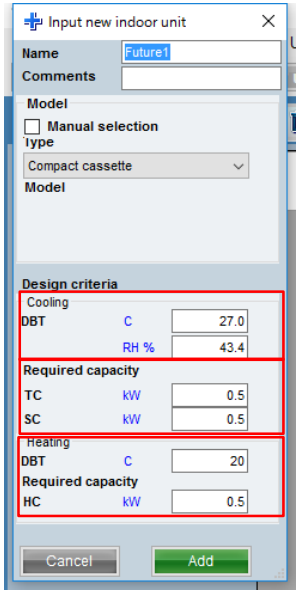
初始設定(默認配置)

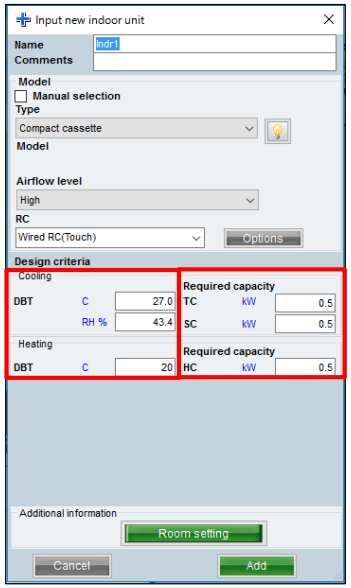
確認裝置設定(1/2)

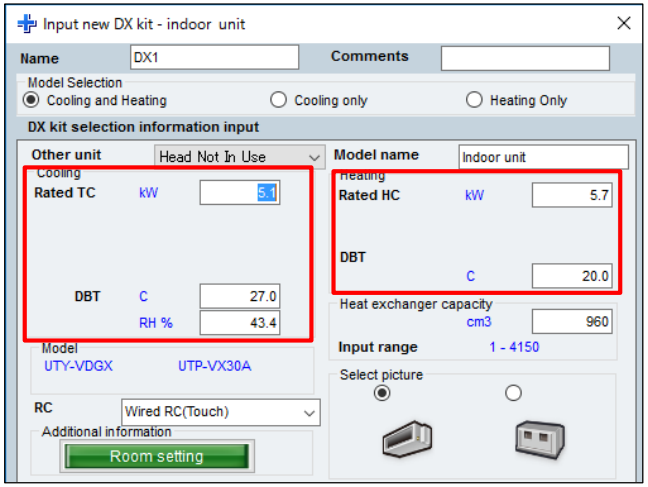
當“溫度/所需容量/ 安全因素”輸入後,
將會反映在“室內機”的視窗中.







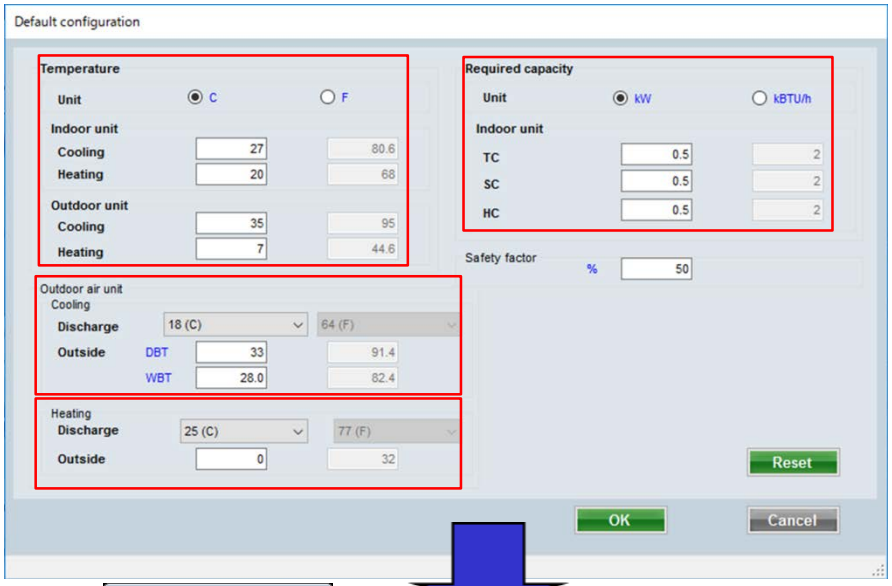


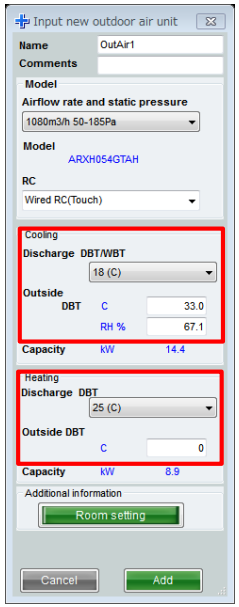


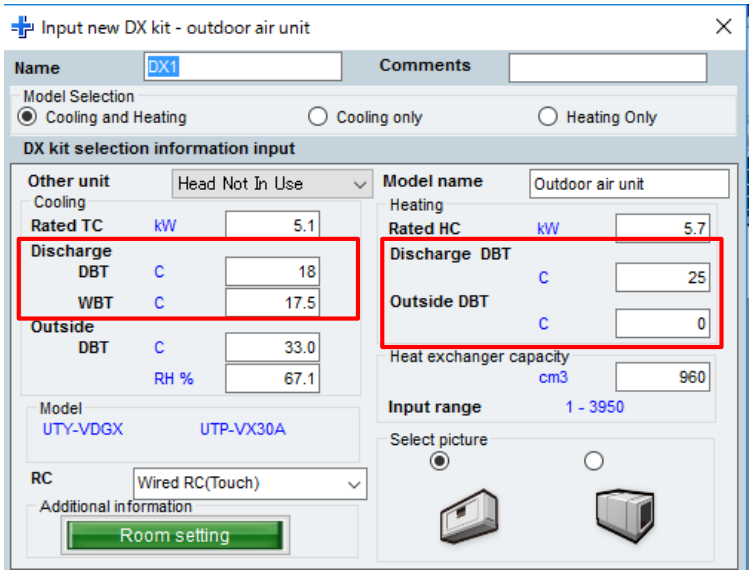
初始設定(默認配置)

確認裝置設定(2/2)

當“溫度/所需容量/ 安全因素” 輸入後，將會反映在“室內機” 的視窗中.

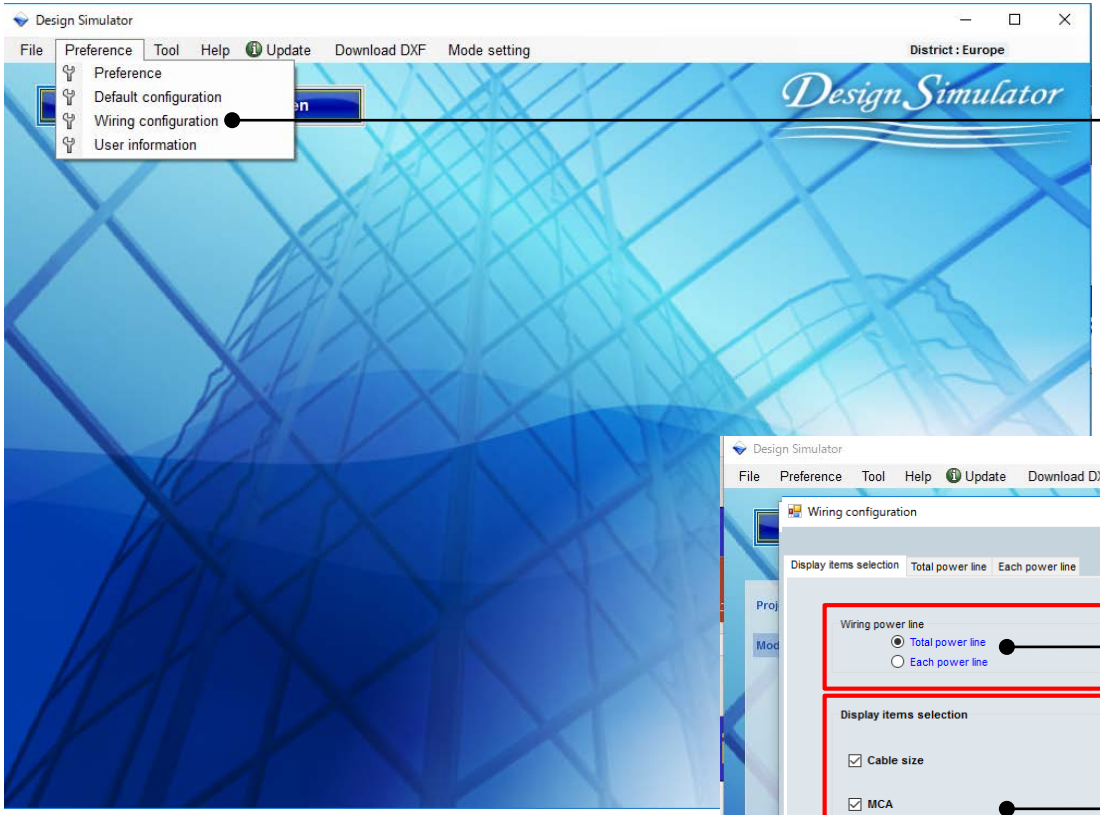






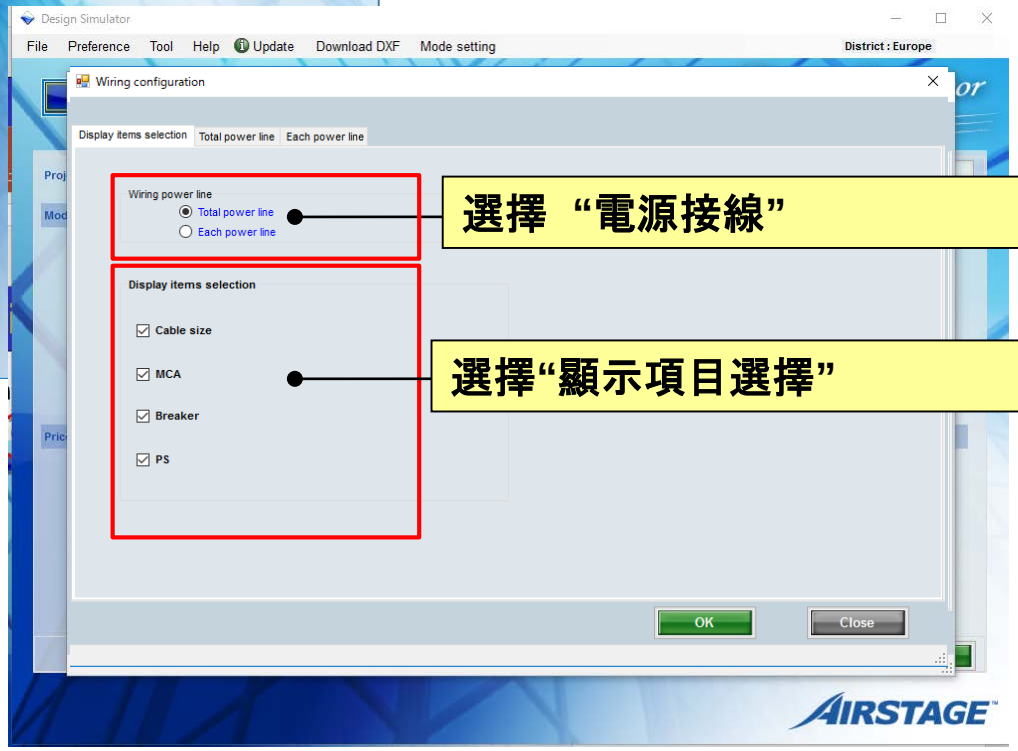
初始設定(接線配置)

選機軟體



選擇接線配置

打開接線配置



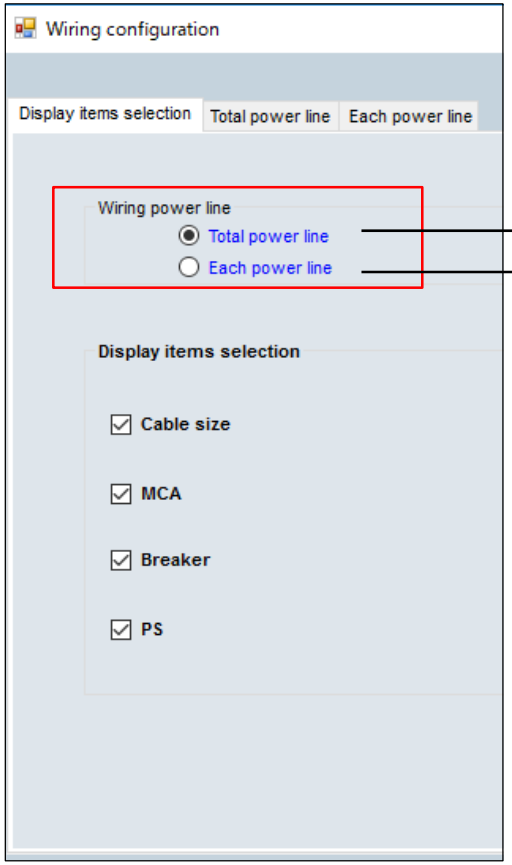
選擇 “電源接線”

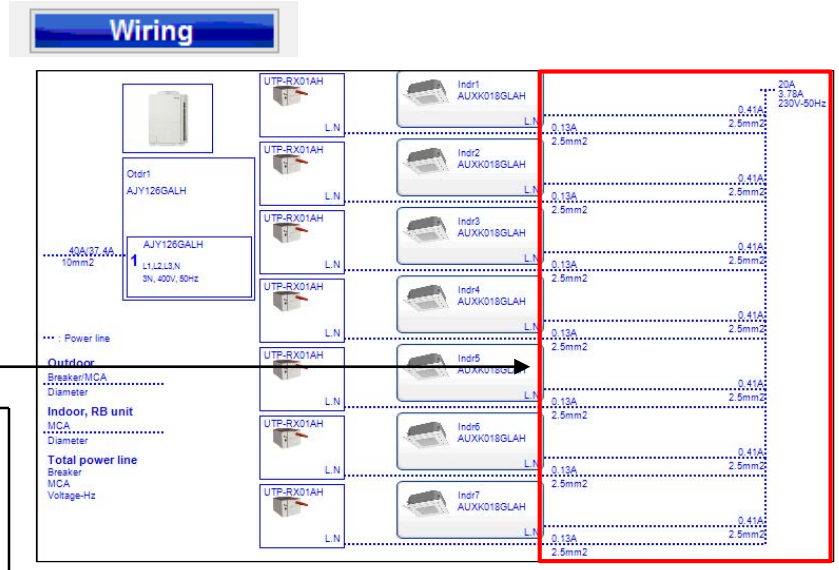
選擇“顯示項目選擇”

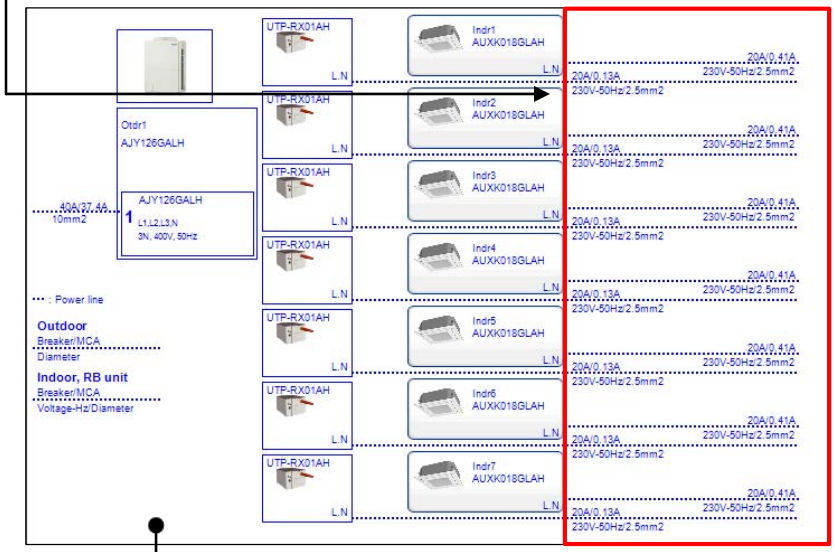
初始設定(接線配置)

選機軟體

顯示項目選擇(1/2)





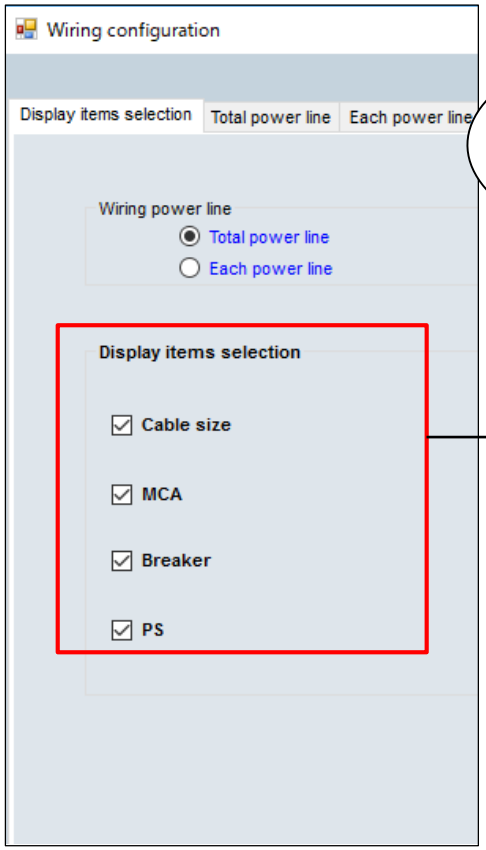


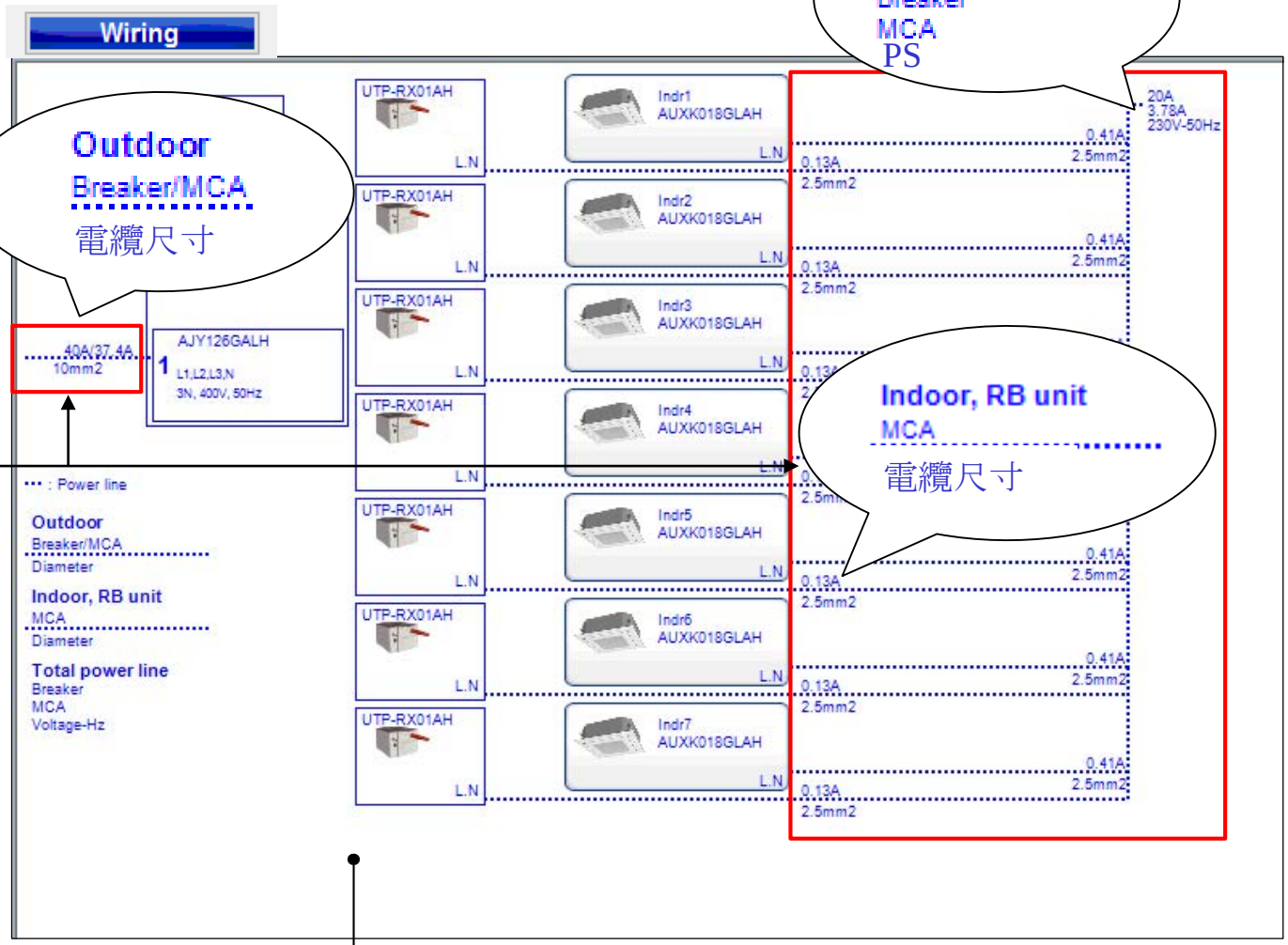
全部和各別的顯示格式可以被選擇“電力接線”

初始設定(接線配置)

選機軟體

顯示項目選擇 (2/2)



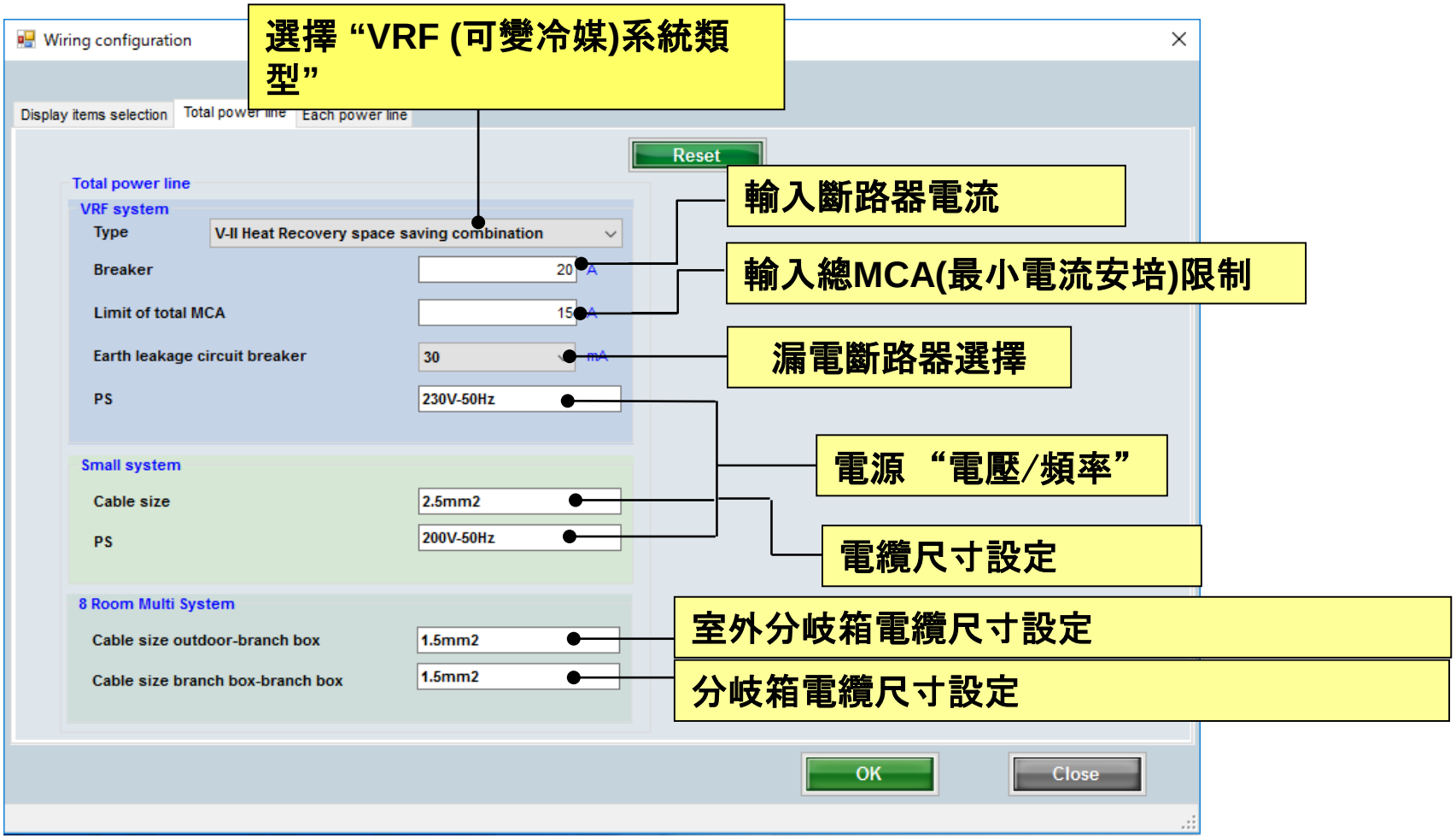


這個項目顯示在“接線” can be set to show/hide

初始設定(接線配置)

選機軟體

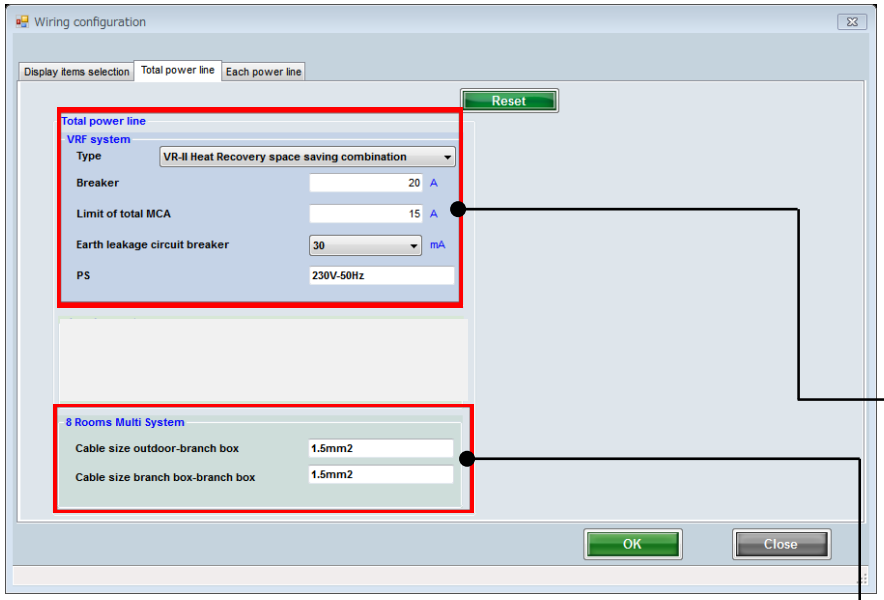
總電源線(1/2)

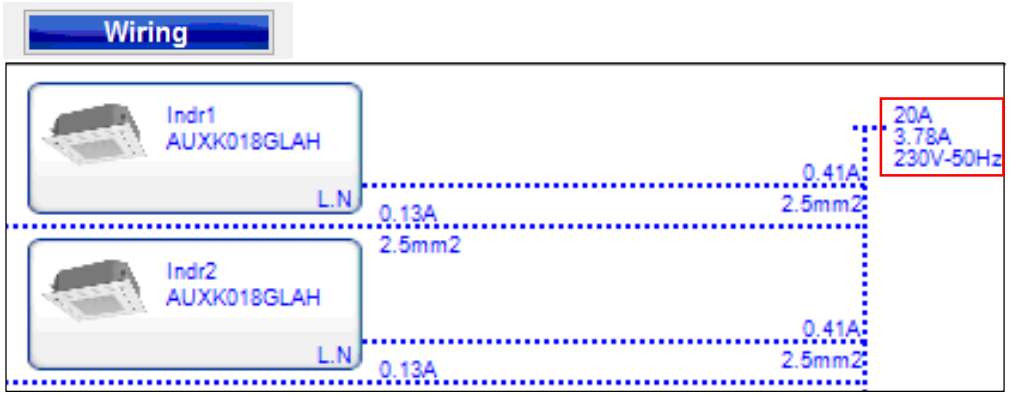


初始設定(接線配置)

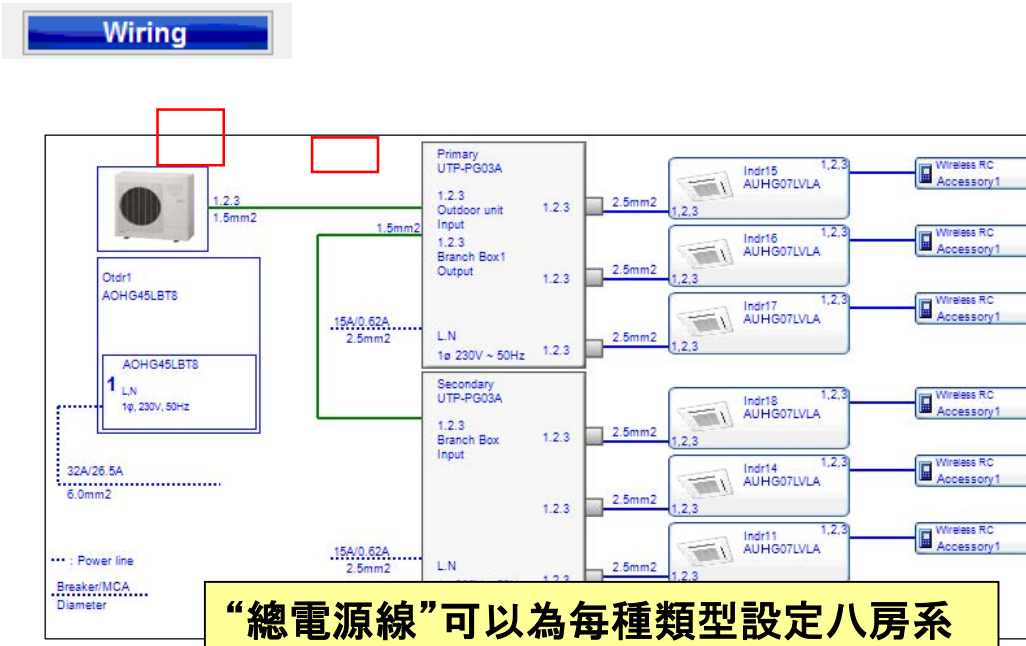
選機軟體

總電源線(2/2)





"總電源線"可以為每種類型的VRF系統設置



"接線圖"的顯示值和極限值可以被更改

"總電源線"可以為每種類型設定八房系統

初始設定(接線配置)

選機軟體

每組電源線(1/2)

電纜尺寸設定

斷路器(開關)設定

電源設定

選擇VRF系統類型”

Wiring configuration

Display items selection | Total power line | Each power line

Series: All　Unit: All　Reset

Series	Unit	Type	Model	MCA (A)	Cable size	Breaker (A)	PS
FM	Outdoor	8 Room Multi System	AOYG45LBT8	26.5	6.0mm2	32	1φ, 230V, 50Hz
FM	Indoor	Compact cassette	AUYG07LVLA	0.19	2.5mm2	0	200V-50Hz
FM	Indoor	Compact cassette	AUYG09LVLA	0.19	2.5mm2	0	200V-50Hz
FM	Indoor	Floor	AGYG09LVCA	0.19	2.5mm2	0	200V-50Hz
FM	Indoor	Floor	AGYG12LVCA	0.23	2.5mm2	0	200V-50Hz
FM	Indoor	Floor	AGYG14LVCA	0.25	2.5mm2	0	200V-50Hz
FM	Indoor	Floor/ceiling	ABYG14LVTA	0.26	2.5mm2	0	200V-50Hz
FM	Indoor	Slim duct(Drain pump internal)	ARYG07LLTA	0.41	2.5mm2	0	200V-50Hz
FM	Indoor	Slim duct(Drain pump internal)	ARYG09LLTA	0.38	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted	ASYG07LJCA	0.17	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted	ASYG09LJCA	0.19	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted	ASYG12LJCA	0.24	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted	ASYG18LFCA	0.41	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted	ASYG24LFCA	0.66	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted(Slim)	ASYG07LUCA	0.16	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted(Slim)	ASYG09LUCA	0.18	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted(Slim)	ASYG12LUCA	0.21	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted(Slim)	ASYG14LUCA	0.25	2.5mm2	0	200V-50Hz

OK　Close

初始設定(接線配置)

選機軟體

每組電源線(2/2)

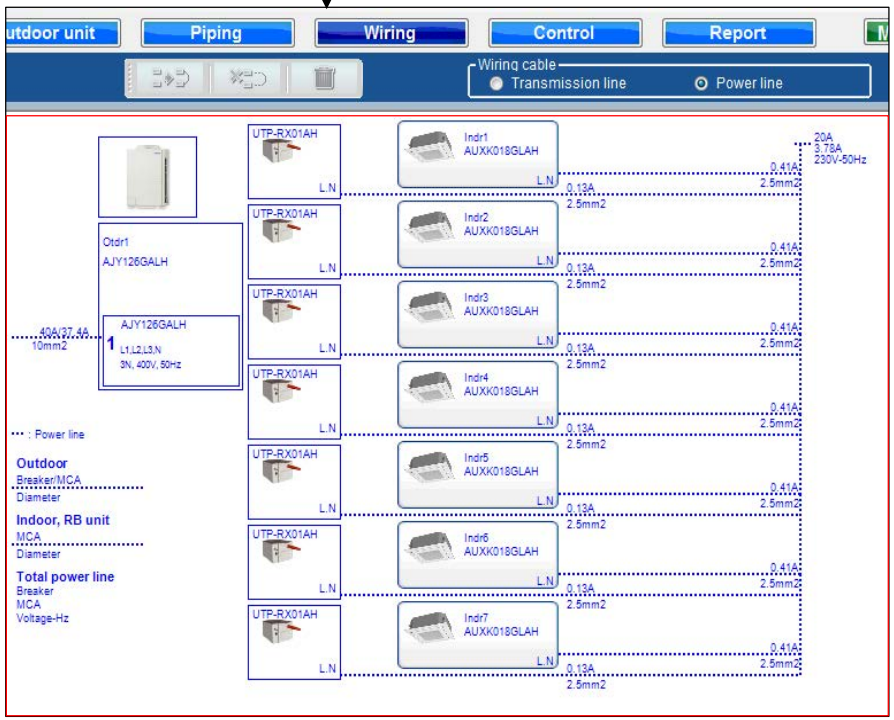
Wiring configuration

Display items selection | Total power line | Each power line

Series: All　Unit: All　Reset

Series	Unit	Type	Model	MCA (A)	Cable size	Breaker (A)	PS
FM	Outdoor	8 Rooms Multi System	AOYG45LBT8	26.5	6.0mm2	32	1φ, 230V, 50Hz
FM	Indoor	Compact cassette	AUYG07LVLA	0.19	2.5mm2	0	200V-50Hz
FM	Indoor	Compact cassette	AUYG09LVLA	0.19	2.5mm2	0	200V-50Hz
FM	Indoor	Compact cassette	AUYG12LVLB	0.24	2.5mm2	0	200V-50Hz
FM	Indoor	Compact cassette	AUYG14LVLB	0.28	2.5mm2	0	200V-50Hz
FM	Indoor	Compact cassette	AUYG18LVLB	0.38	2.5mm2	0	200V-50Hz
FM	Indoor	Floor	AGYG09LVCA	0.19	2.5mm2	0	200V-50Hz
FM	Indoor	Floor	AGYG12LVCA	0.23	2.5mm2	0	200V-50Hz
FM	Indoor	Floor	AGYG14LVCA	0.25	2.5mm2	0	200V-50Hz
FM	Indoor	Floor/ceiling	ABYG14LVTA	0.26	2.5mm2	0	200V-50Hz
FM	Indoor	Floor/ceiling	ABYG18LVTB	0.45	2.5mm2	0	200V-50Hz
FM	Indoor	Slim duct(Drain pump internal)	ARYG07LLTA	0.41	2.5mm2	0	200V-50Hz
FM	Indoor	Slim duct(Drain pump internal)	ARYG09LLTA	0.38	2.5mm2	0	200V-50Hz
FM	Indoor	Slim duct(Drain pump internal)	ARYG12LLTB	0.44	2.5mm2	0	200V-50Hz
FM	Indoor	Slim duct(Drain pump internal)	ARYG14LLTB	0.64	2.5mm2	0	200V-50Hz
FM	Indoor	Slim duct(Drain pump internal)	ARYG18LLTB	0.55	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted	ASYG07LJCA	0.17	2.5mm2	0	200V-50Hz
FM	Indoor	Wall mounted	ASYG09LJCA	0.19	2.5mm2	0	200V-50Hz

OK　Close

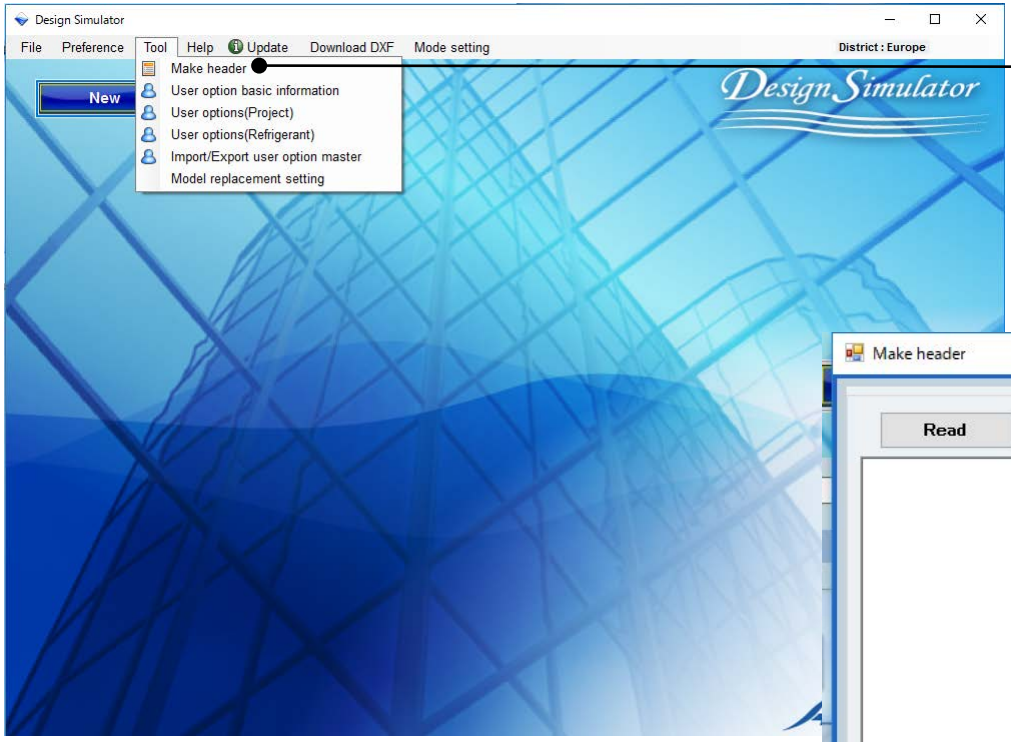


“接線圖”的顯示值可以根據系列進行更改
室內機不能更換“斷路器 (A)”

初始設定(用戶訊息)

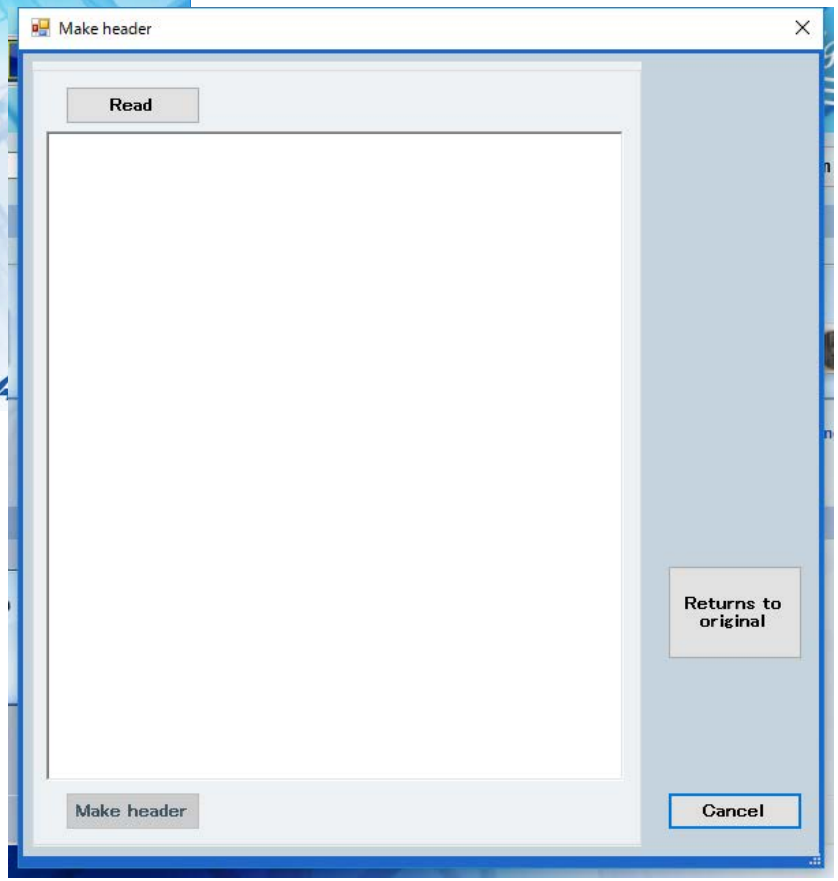
Design Simulator
File
Preference
Tool
Help
Update
Download DXF
Mode setting
District : Europe
Preference
Default configuration
Wiring configuration
User information
Design Simulator
使用者資訊設定
打開使用者資訊設定清單
New
Open
User information
Your name
Your company
E-mail address
It outputs it to the project and report if it checks it.
輸入名子
輸入公司
輸入電子郵件地址
AIRSTAGE

初始設定



選擇做分流管

打開做分流管

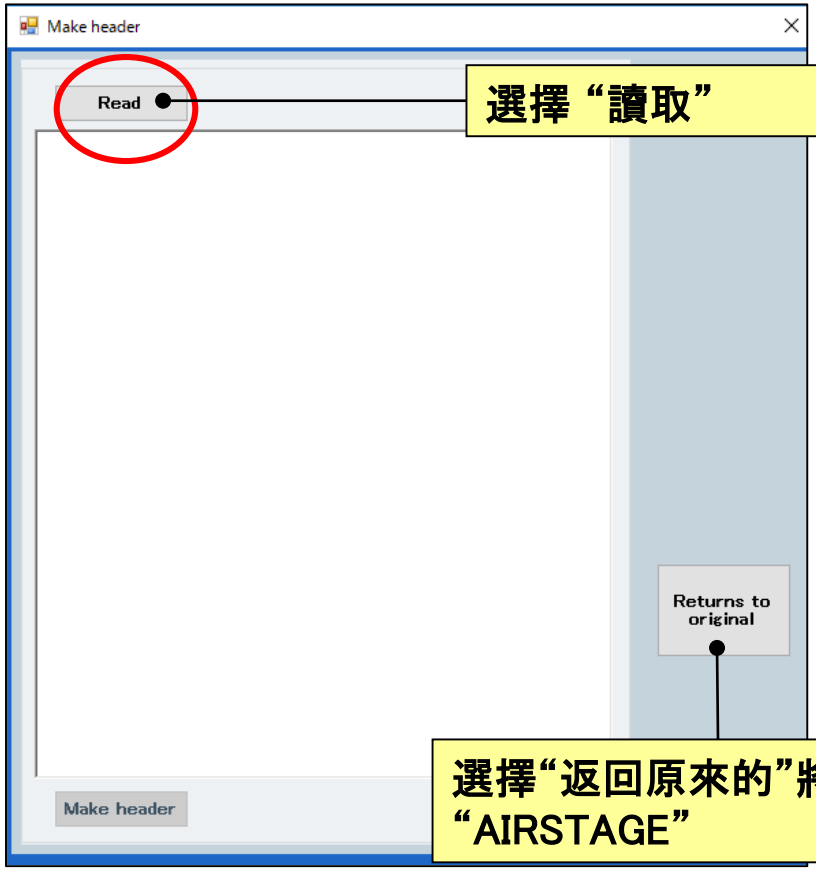


初始設定

選機軟體

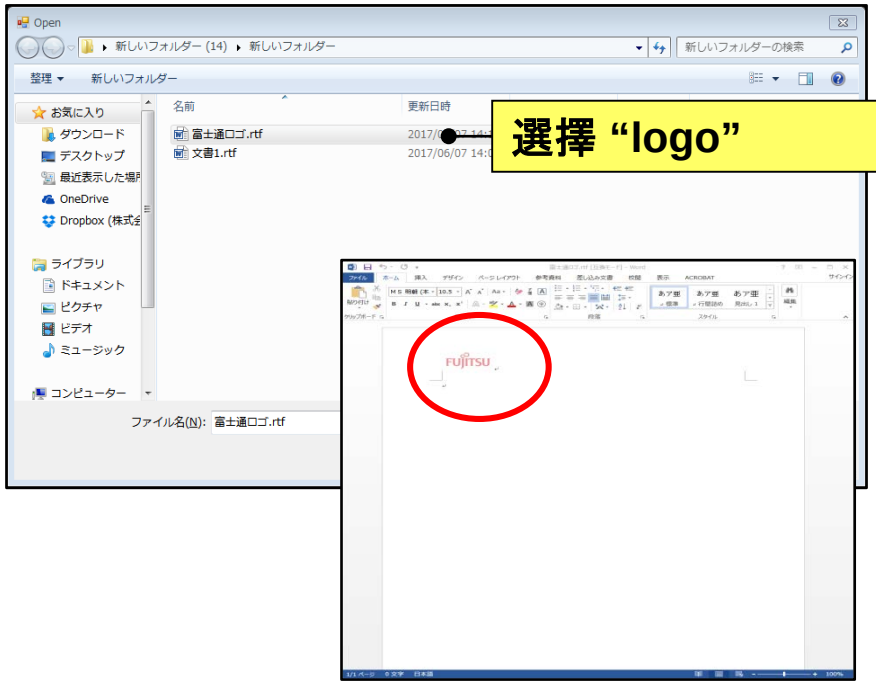
製作標題

報告的標題每個公司都可以被更改為



選擇“讀取”

選擇“返回原來的”將徽標返回“AIRSTAGE”



選擇“logo”

初始設定

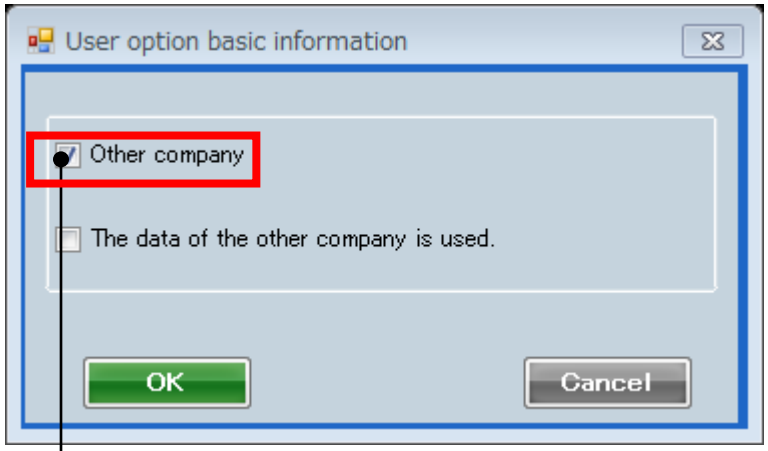
選擇“用戶基本資訊的選擇”

打開用戶基本資訊的選擇清單

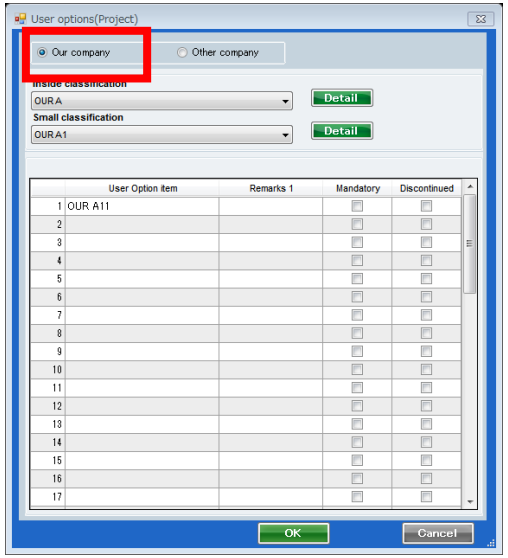
選擇“其他公司”

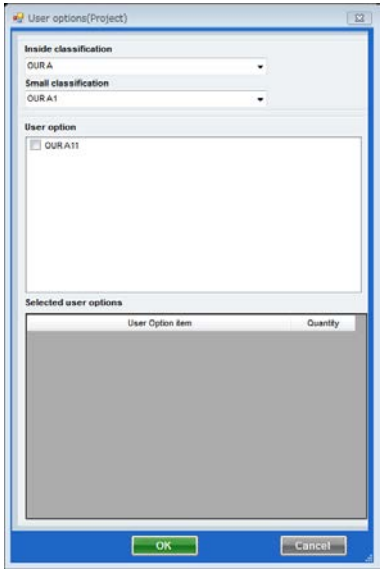
選擇“其他公司的數據可以被使用.”

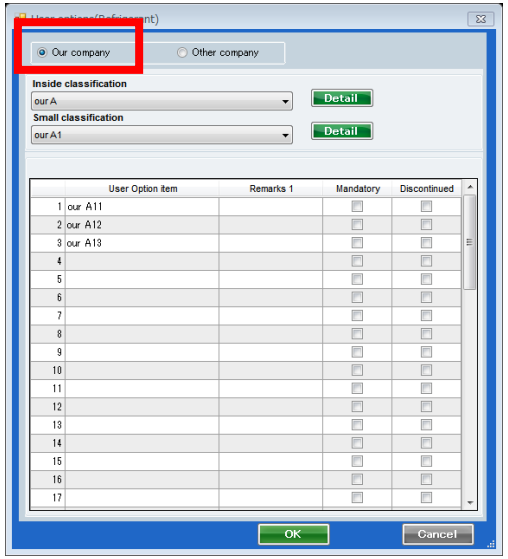
用戶基本資訊的選擇

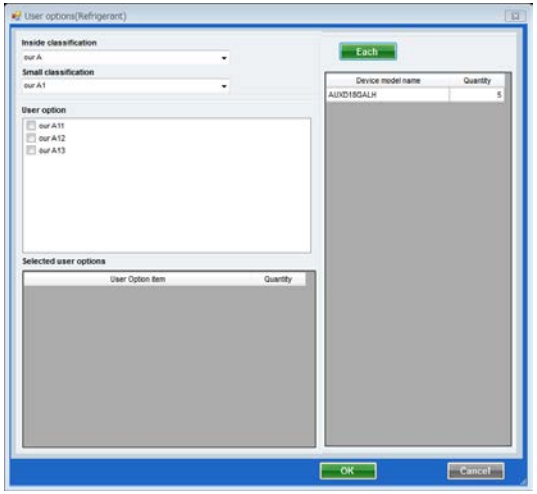


只有公司註冊的選項可以選擇

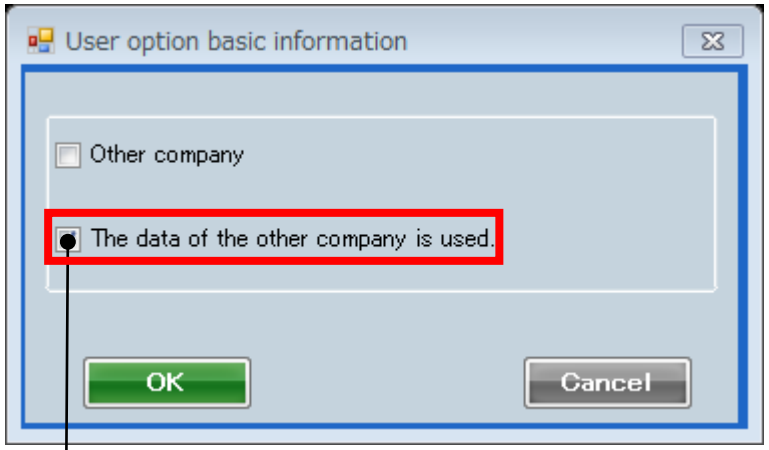




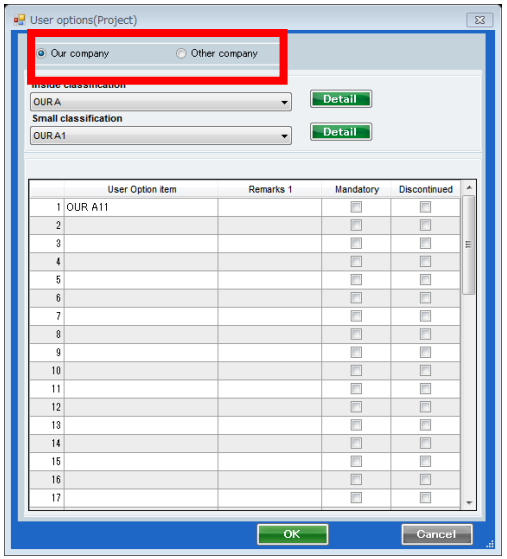


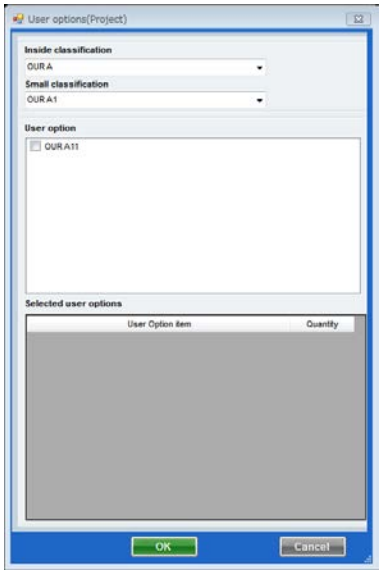


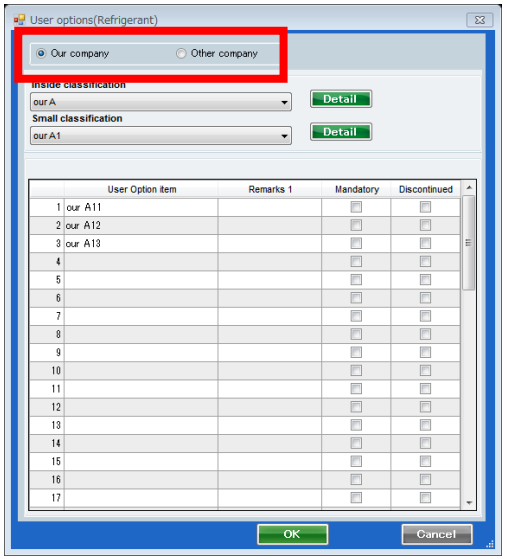
用戶基本資訊的選擇

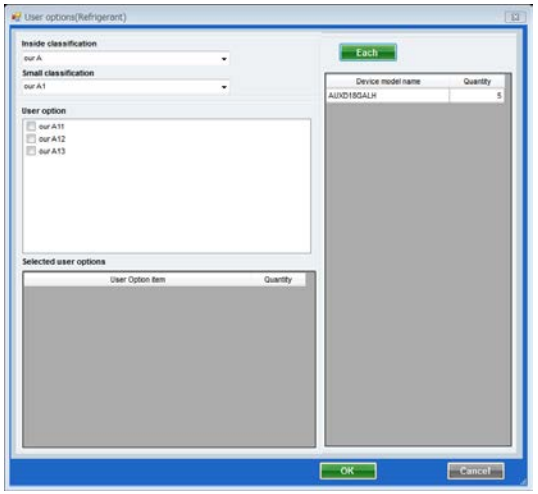


你的公司或其他公司只有這兩個選項可以選擇

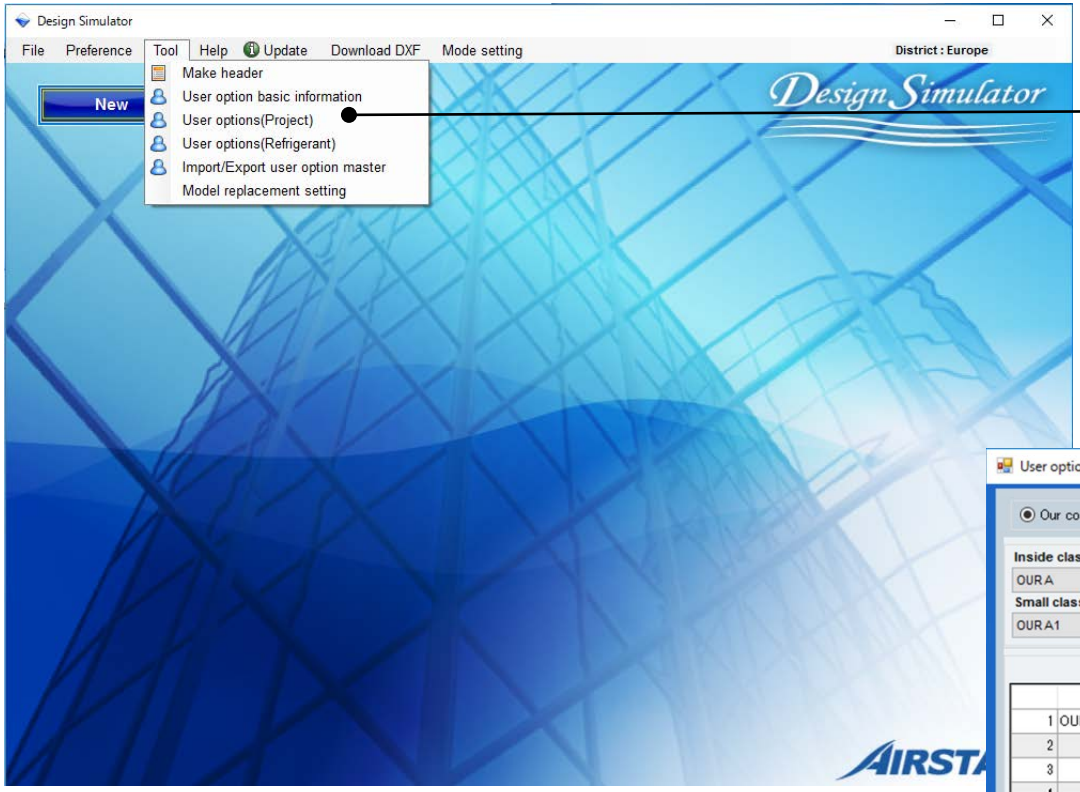






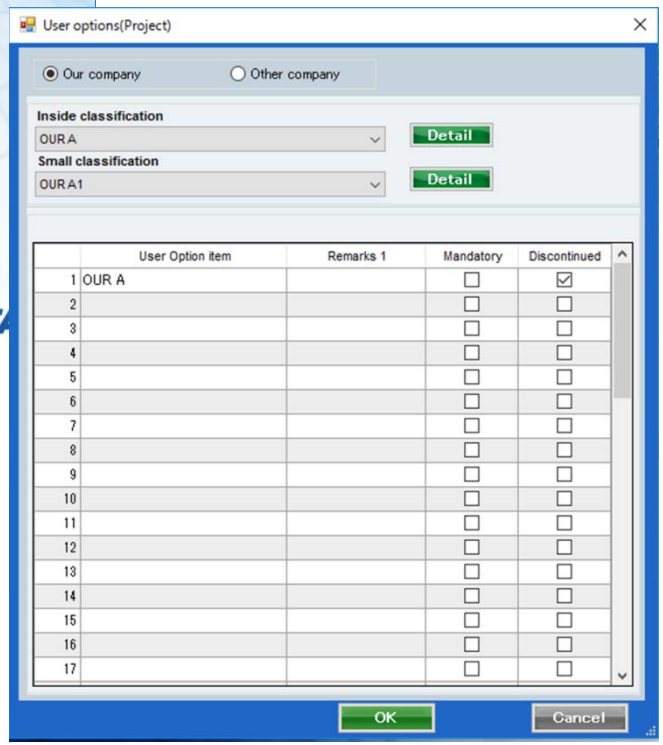


初始設定

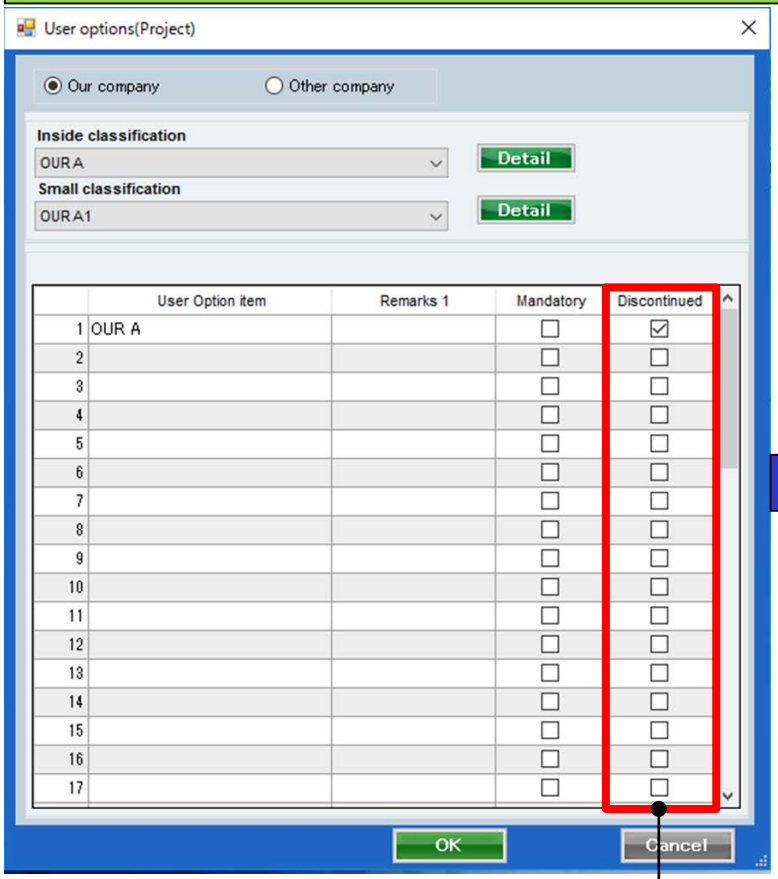


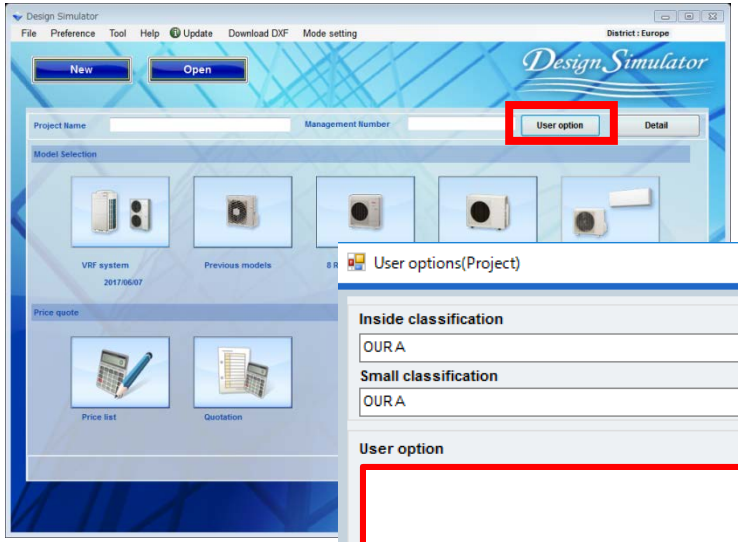
選擇“用戶選項(項目)”

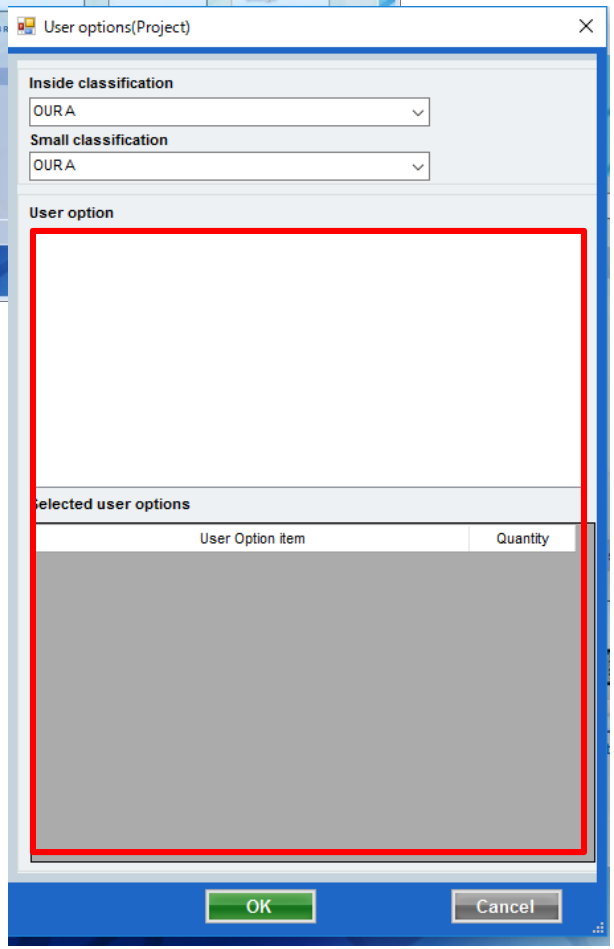
打開“用戶選項(項目)”



用戶選項(項目))(1/2)

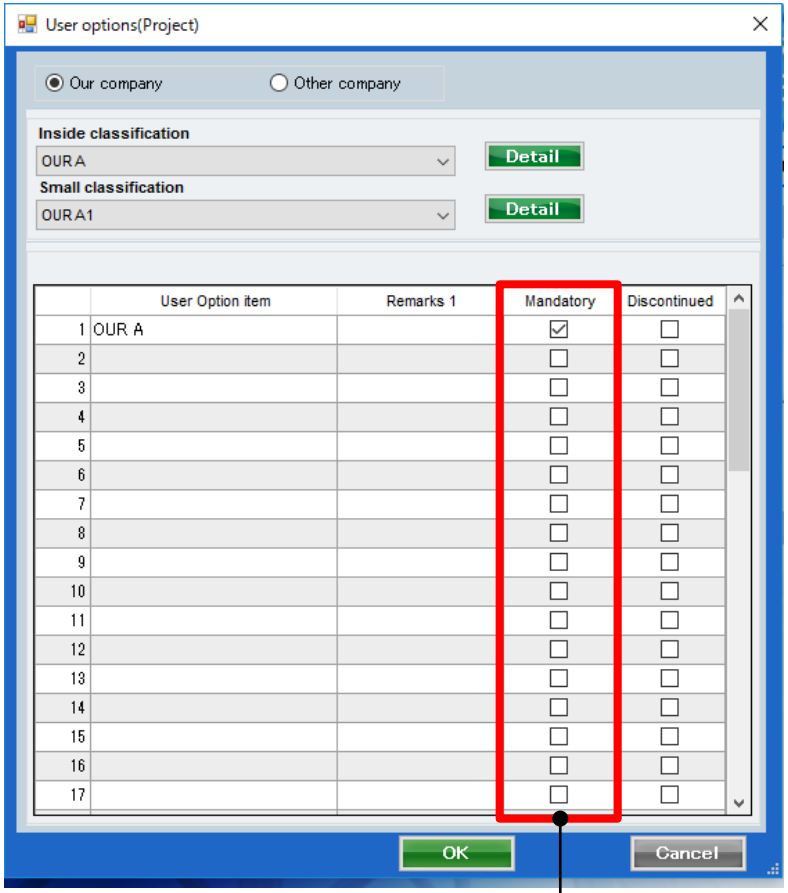


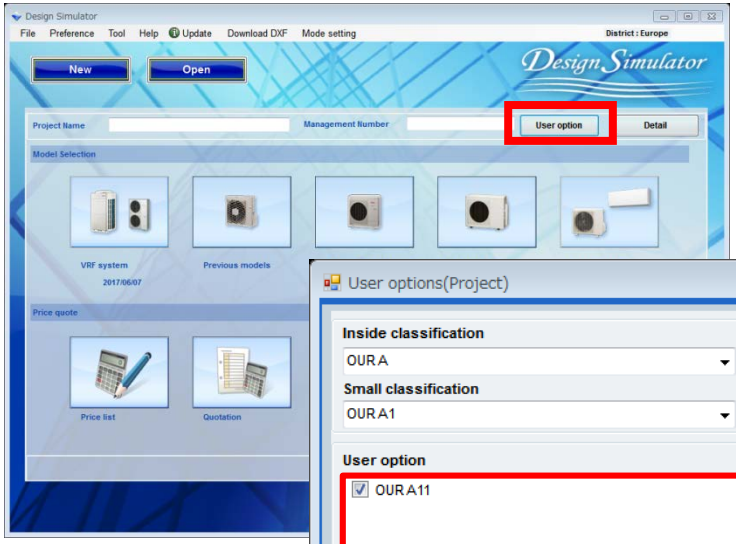


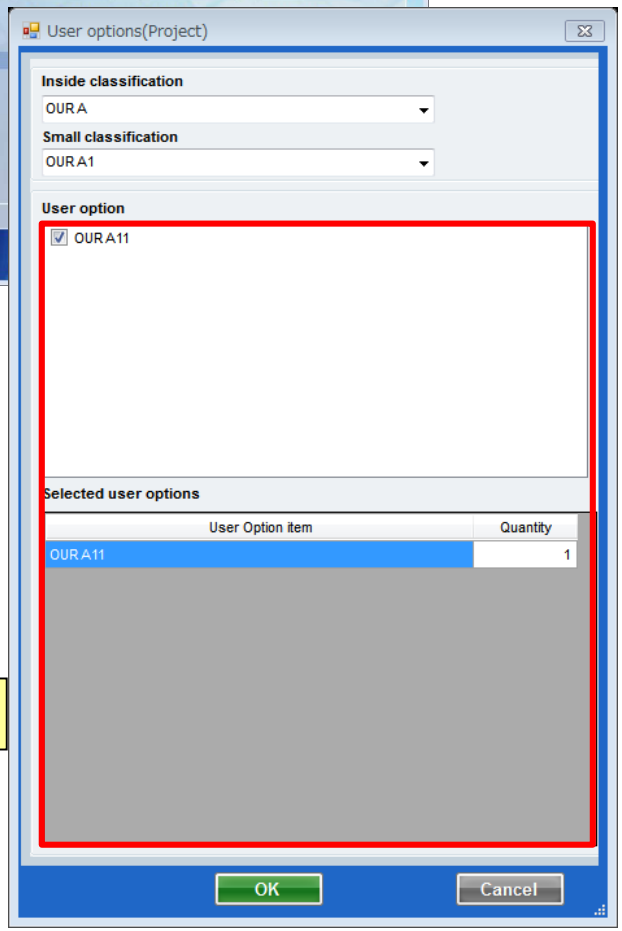


選擇“無法持續”檢查的選項不會顯示在選擇清單

用戶選項(項目)(2/2)

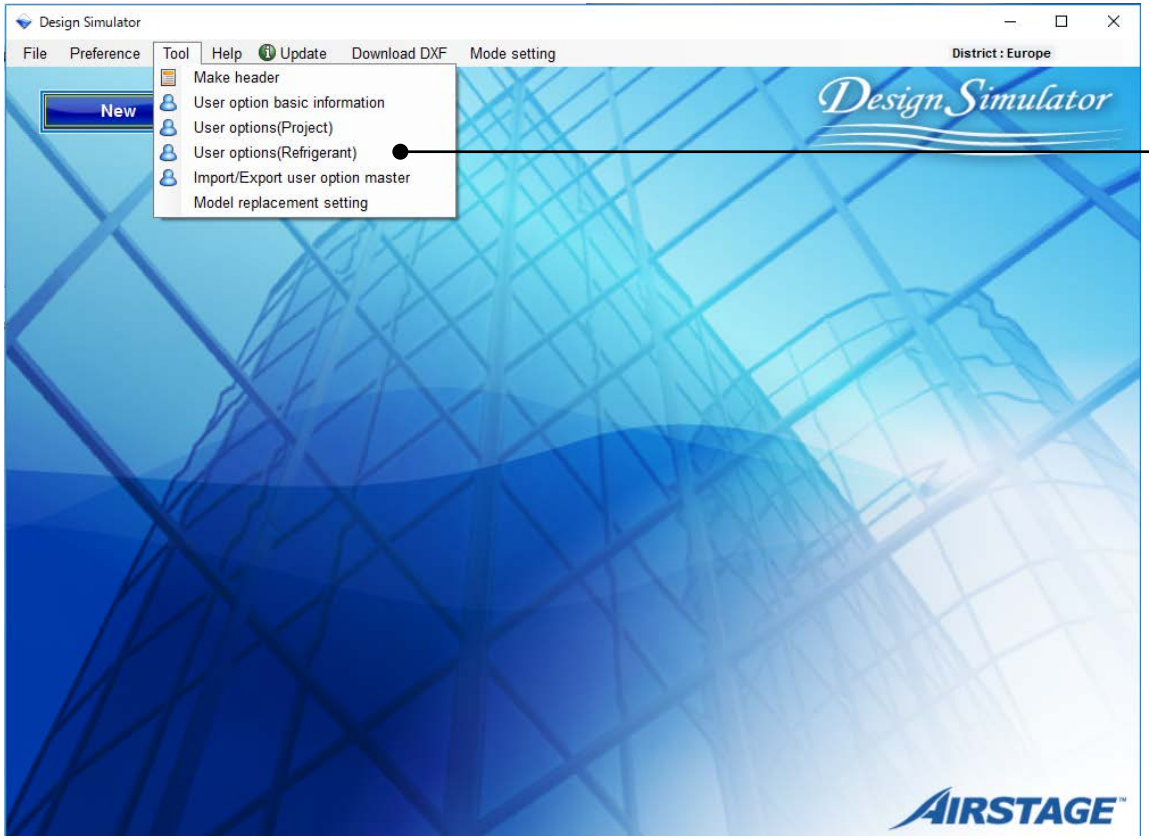






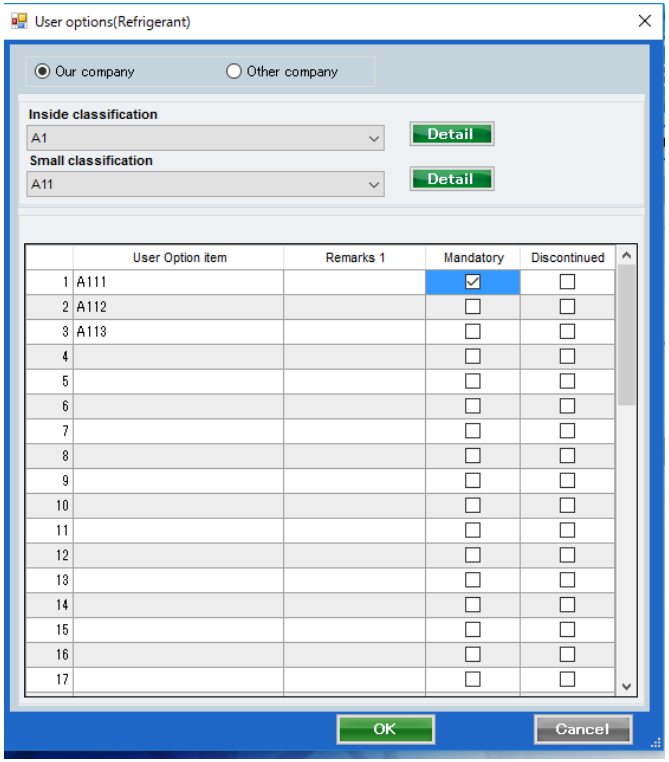
選擇“強制性”在項目中是選中選中的選項

初始設定



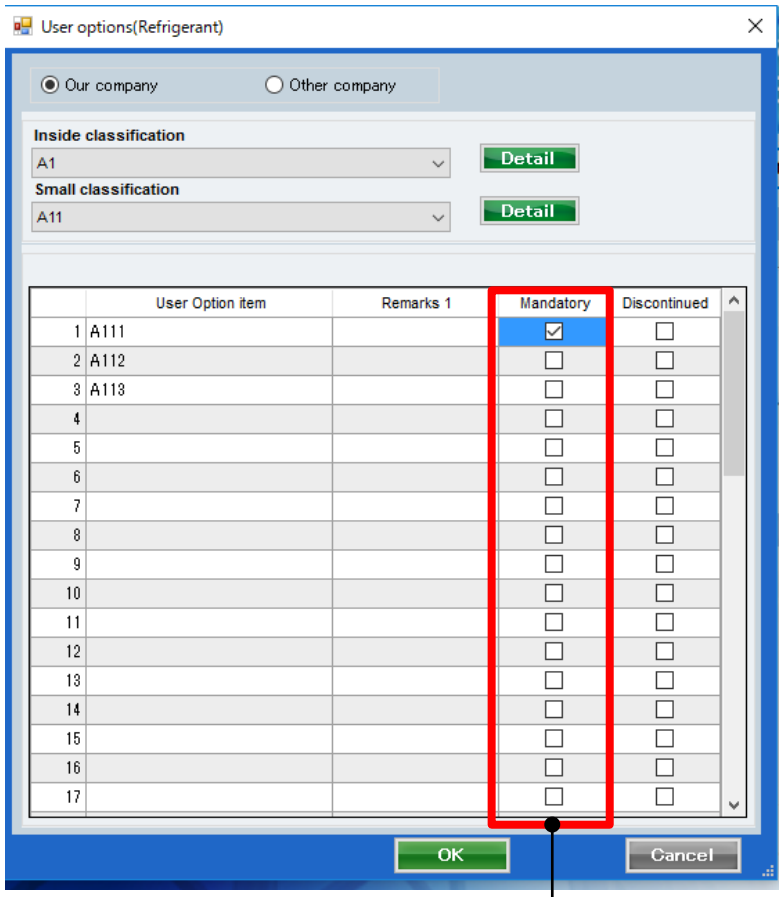
選擇 “用戶選項(冷媒)”

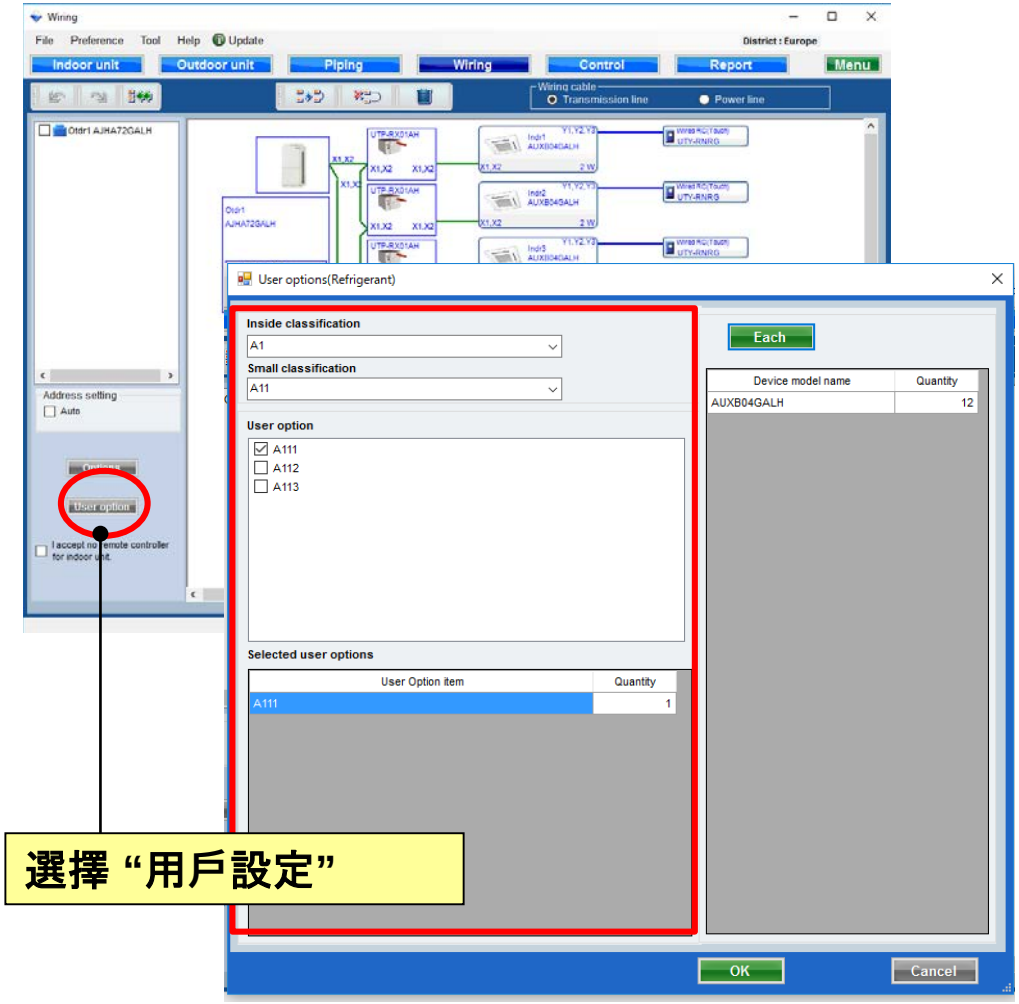
打開“用戶選項(冷媒)”



這部分的設定可以被使用者個別的註冊

用戶選項(冷媒)(1/2)

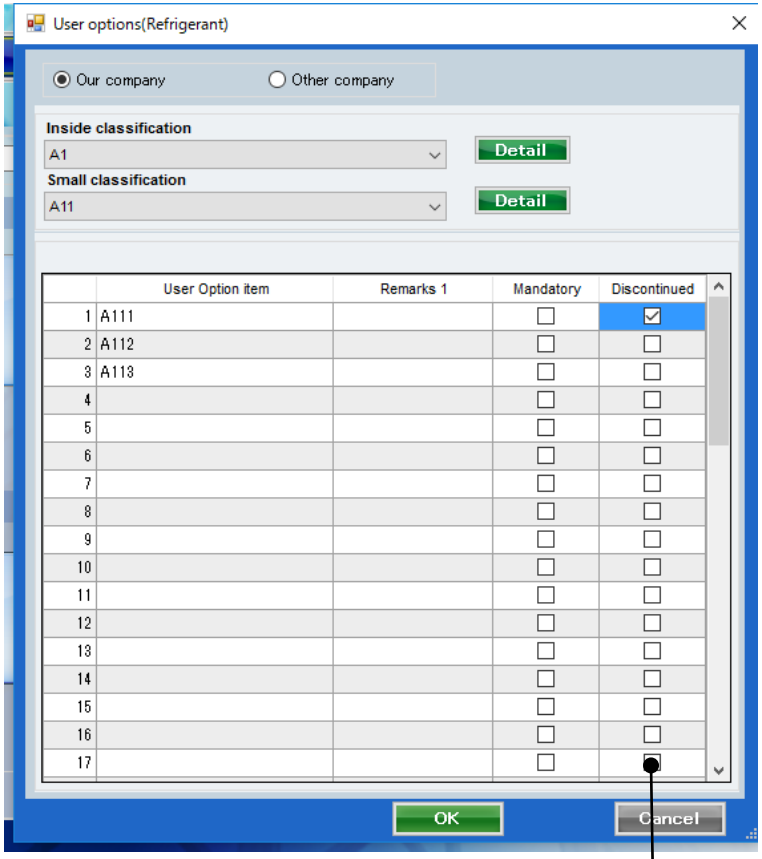


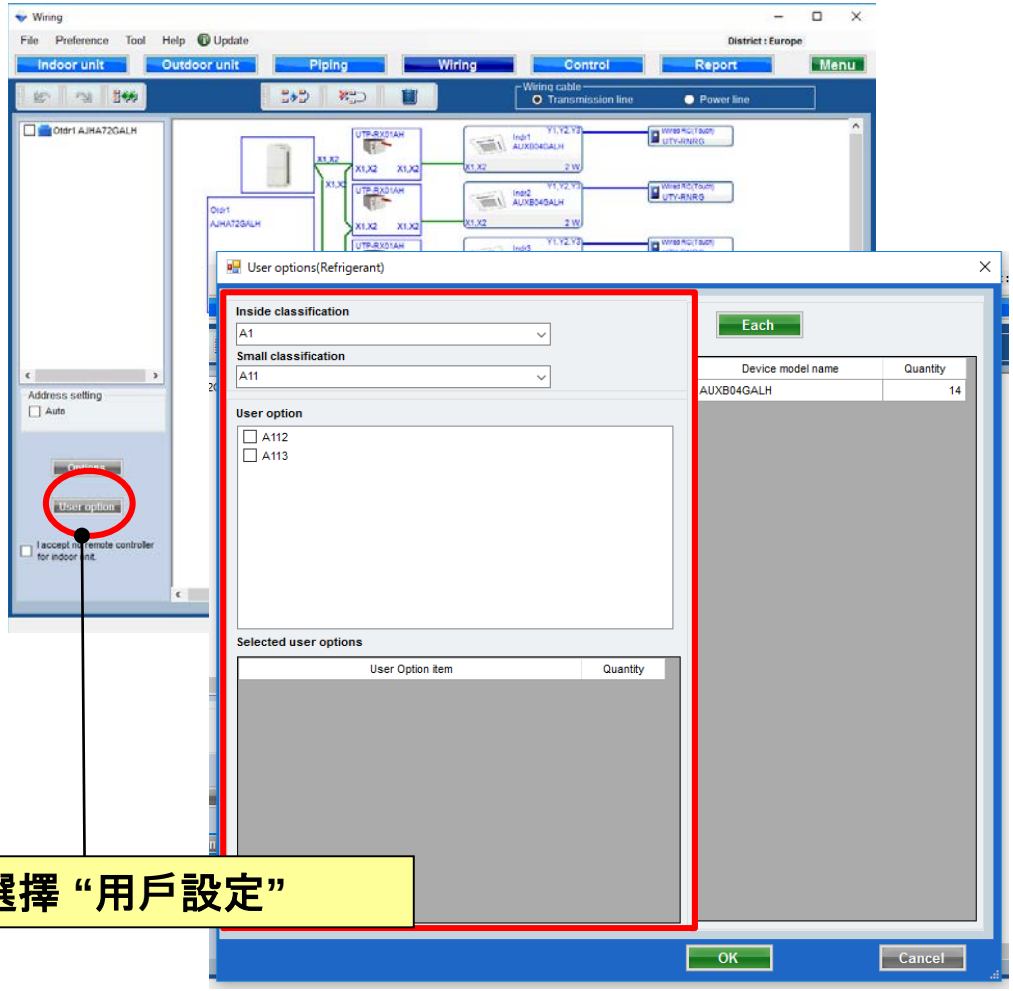


選擇“用戶設定”

選擇“強制性”
選擇檢查每個冷媒系統

用戶設定(冷媒)(2/2)

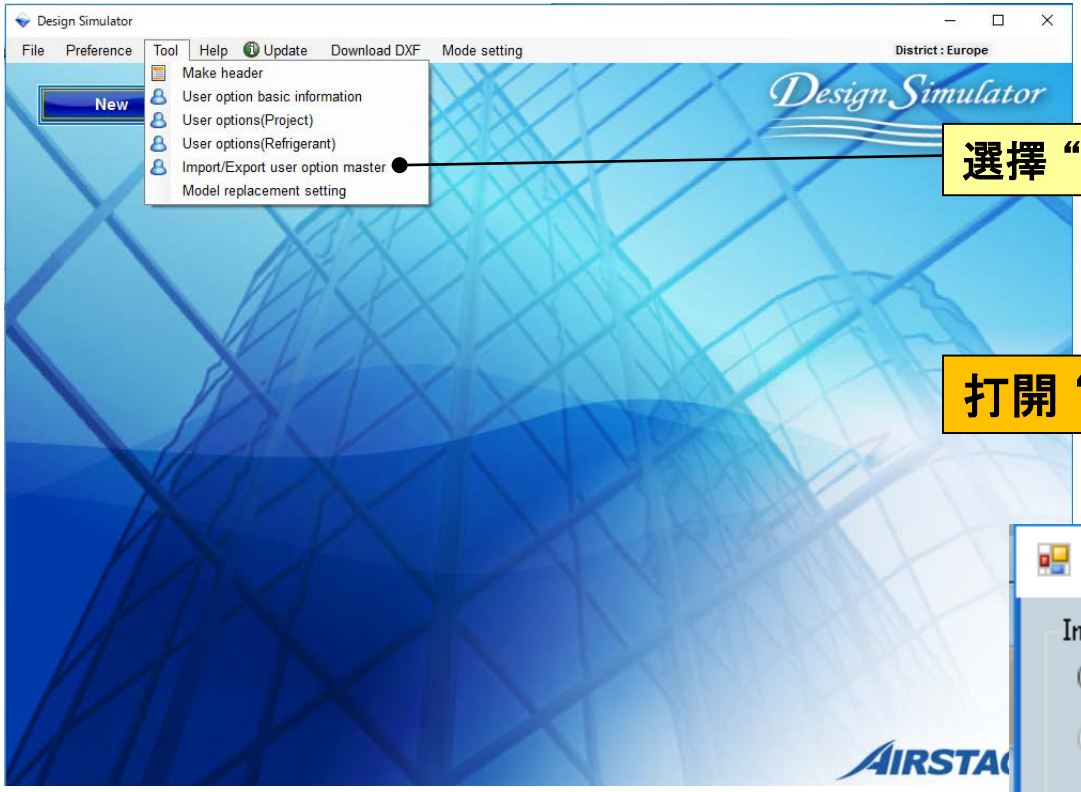




選擇 “用戶設定”

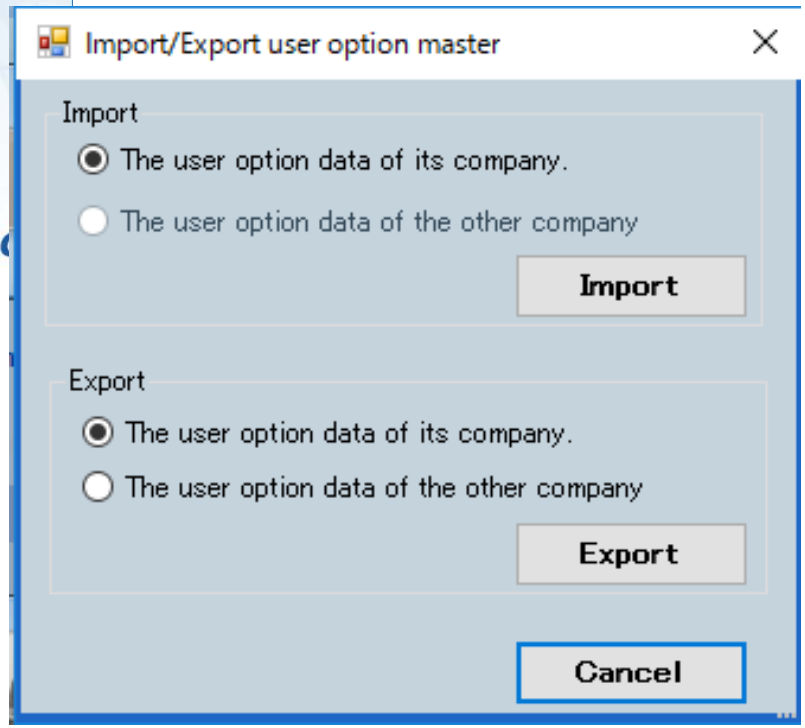
選擇 “無法持續”
檢查的選項不會顯示在選擇列表中

初始設定

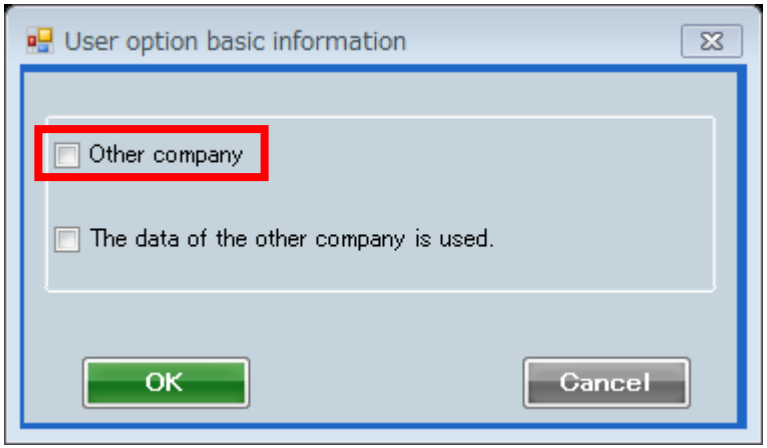


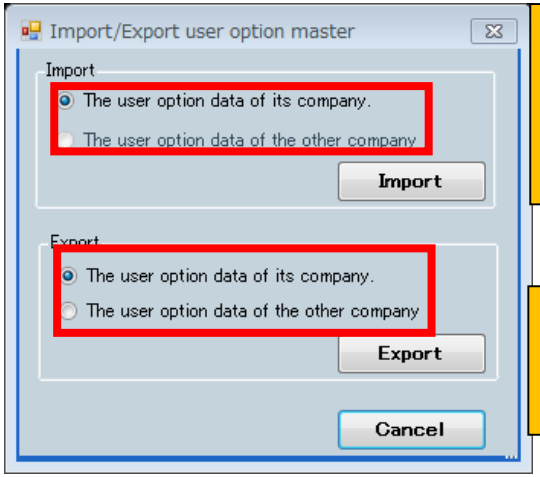
選擇“進口/出口 用戶必須選擇”

打開“用戶選項基本資訊”



進口/出口用戶必須選項(1/2)





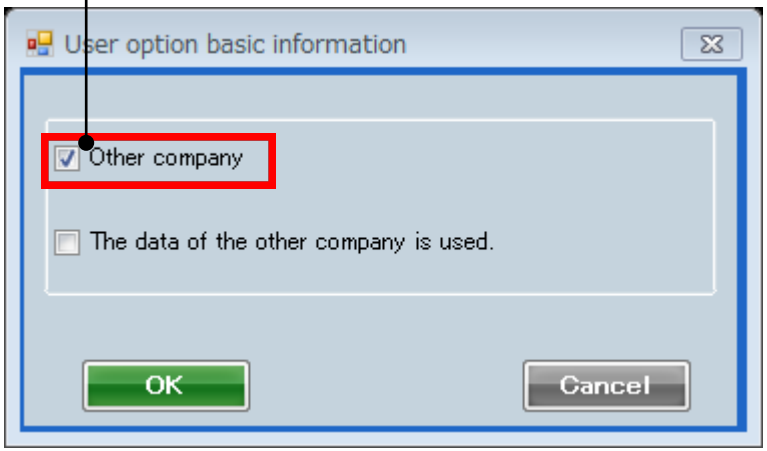
進口:

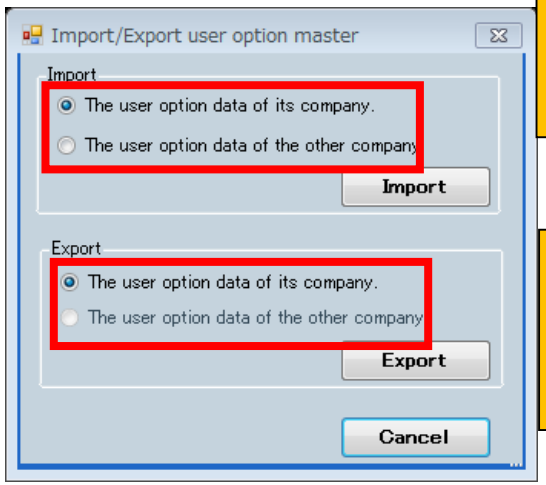
只有“公司的用戶選擇數據”可以被選擇.

出口:

兩個項目都可以被選擇.

選擇“其他公司”





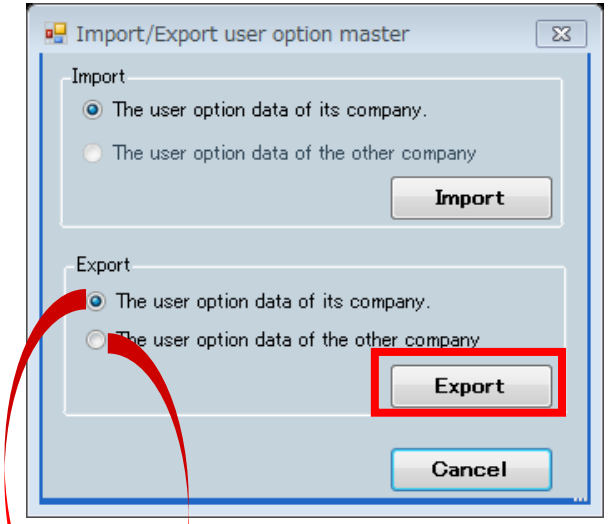
進口:

兩個選項都可以被選擇.

出口:

只有“公司的用戶選擇數據”可以被選擇.

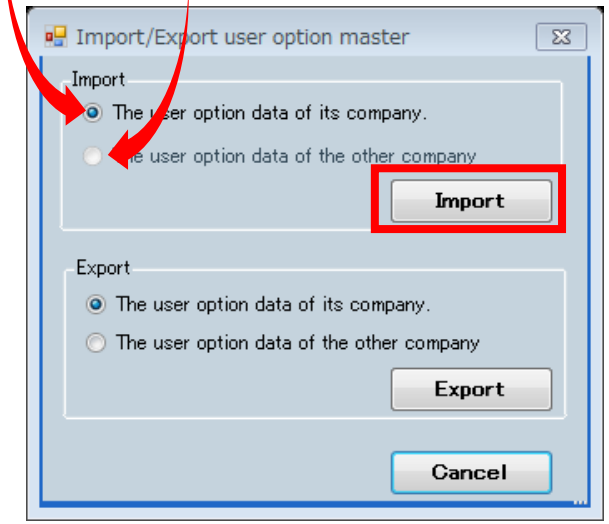
進口/出口用戶必須選項(2/2)



出口:

選擇 “公司的用戶選擇數據.”只有為公司註冊的數據才會被輸出. (*.uof)

選擇 “公司的用戶其他選擇數據.”只有為其他公司註冊的數據才會被輸出. (*.uof)

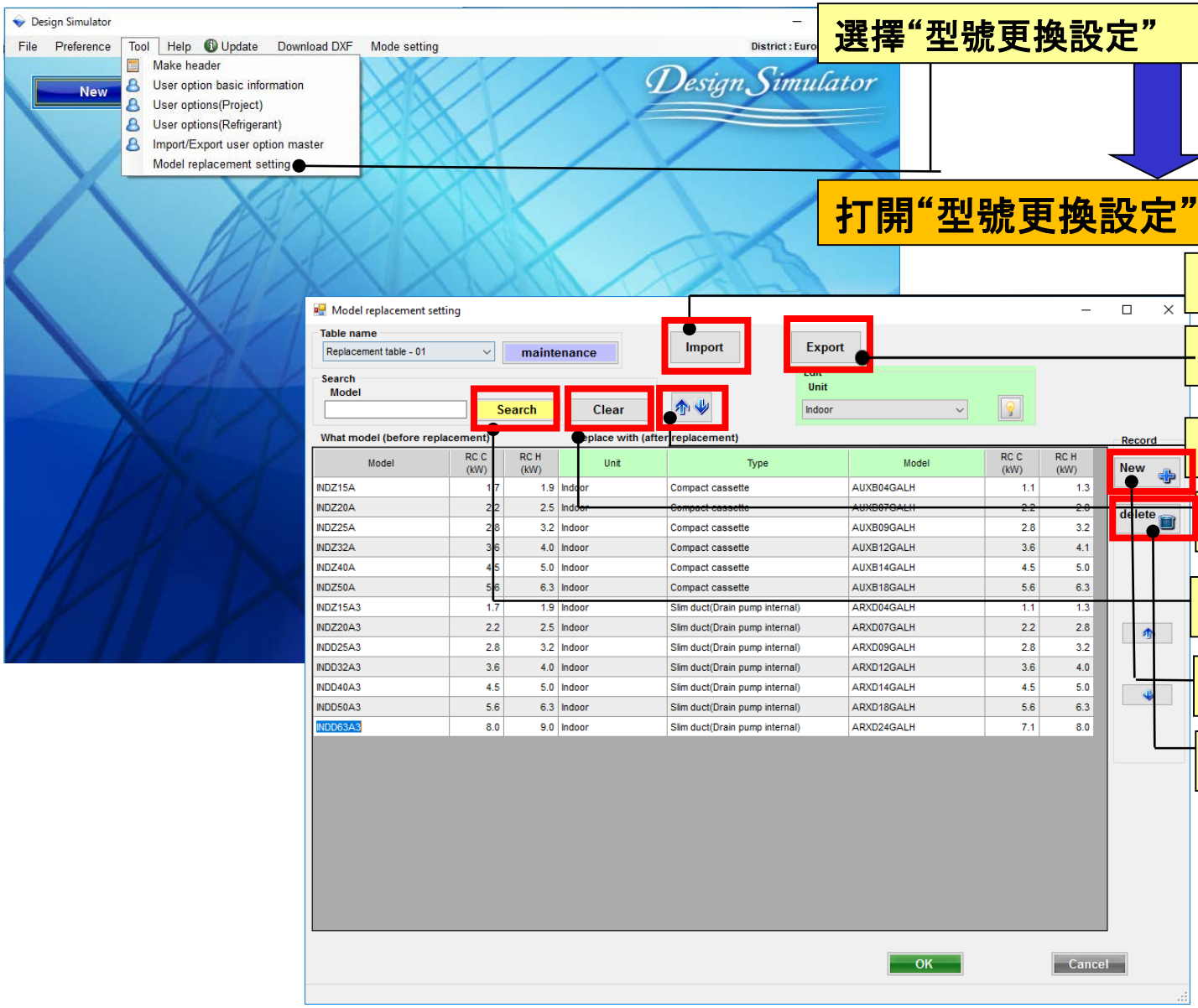


進口:

選擇 “公司的用戶選擇數據.” 你公司的數據可以被輸入. (*.uof)

選擇 “公司的用戶其他選擇數據.” 其他公司的數據可以被輸入. (*.uof)

初始設定



選擇“型號更換設定”

打開“型號更換設定”

選擇“進口”

選擇“出口”

選擇“分類”

選擇“清除”

選擇“搜尋”

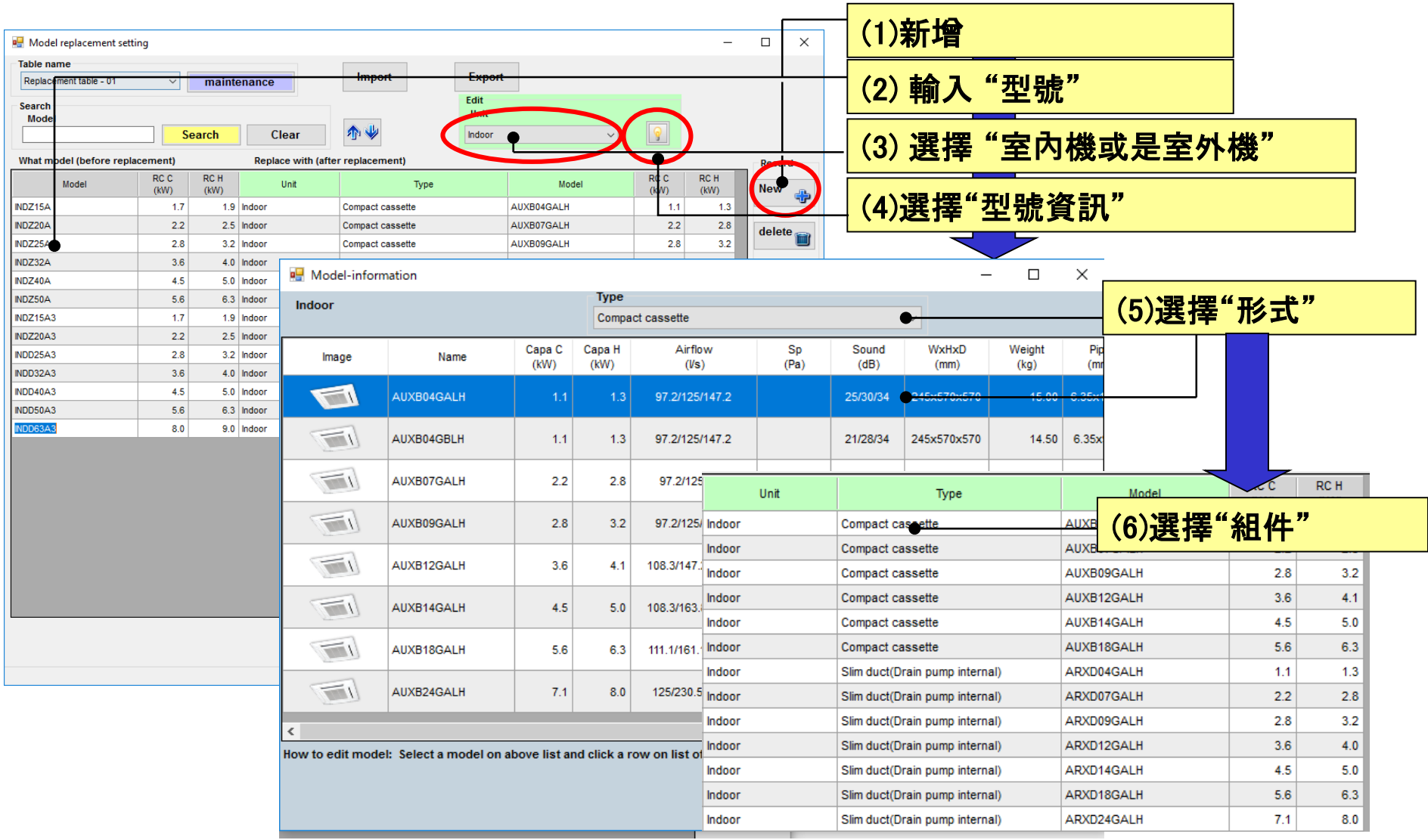
選擇“新的”

選擇“增加”

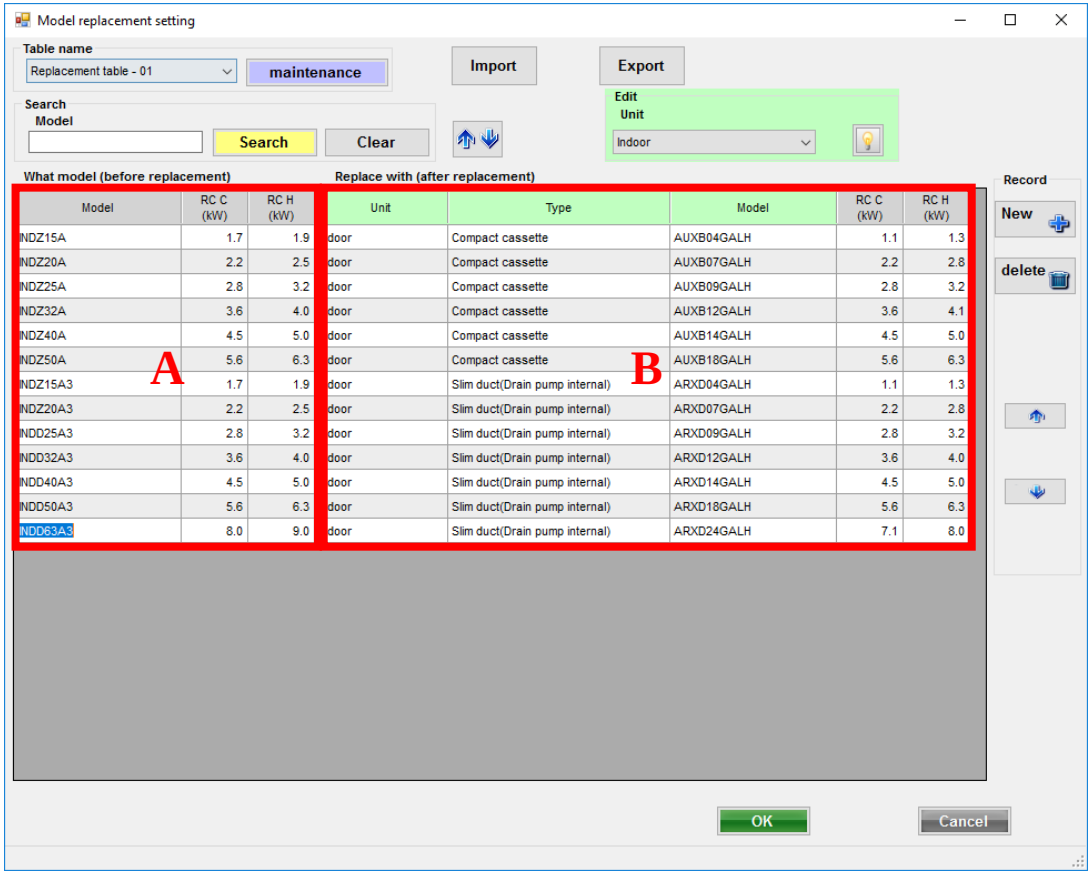
初始設定

型號更換設定(1/4)

這個型號可以被註冊，替換和更換後與模型替換功能



型號更換設定(2/4)



Model	RC C (kW)	RC H (kW)	Unit	Type	Model	RC C (kW)	RC H (kW)
INDZ15A	1.7	1.9	door	Compact cassette	AUXB04GALH	1.1	1.3
INDZ20A	2.2	2.5	door	Compact cassette	AUXB07GALH	2.2	2.8
INDZ25A	2.8	3.2	door	Compact cassette	AUXB09GALH	2.8	3.2
INDZ32A	3.6	4.0	door	Compact cassette	AUXB12GALH	3.6	4.1
INDZ40A	4.5	5.0	door	Compact cassette	AUXB14GALH	4.5	5.0
INDZ50A	5.6	6.3	door	Compact cassette	AUXB18GALH	5.6	6.3
INDZ15A3	1.7	1.9	door	Slim duct(Drain pump internal)	ARXD04GALH	1.1	1.3
INDZ20A3	2.2	2.5	door	Slim duct(Drain pump internal)	ARXD07GALH	2.2	2.8
INDD25A3	2.8	3.2	door	Slim duct(Drain pump internal)	ARXD09GALH	2.8	3.2
INDD32A3	3.6	4.0	door	Slim duct(Drain pump internal)	ARXD12GALH	3.6	4.0
INDD40A3	4.5	5.0	door	Slim duct(Drain pump internal)	ARXD14GALH	4.5	5.0
INDD50A3	5.6	6.3	door	Slim duct(Drain pump internal)	ARXD18GALH	5.6	6.3
INDD63A3	8.0	9.0	door	Slim duct(Drain pump internal)	ARXD24GALH	7.1	8.0

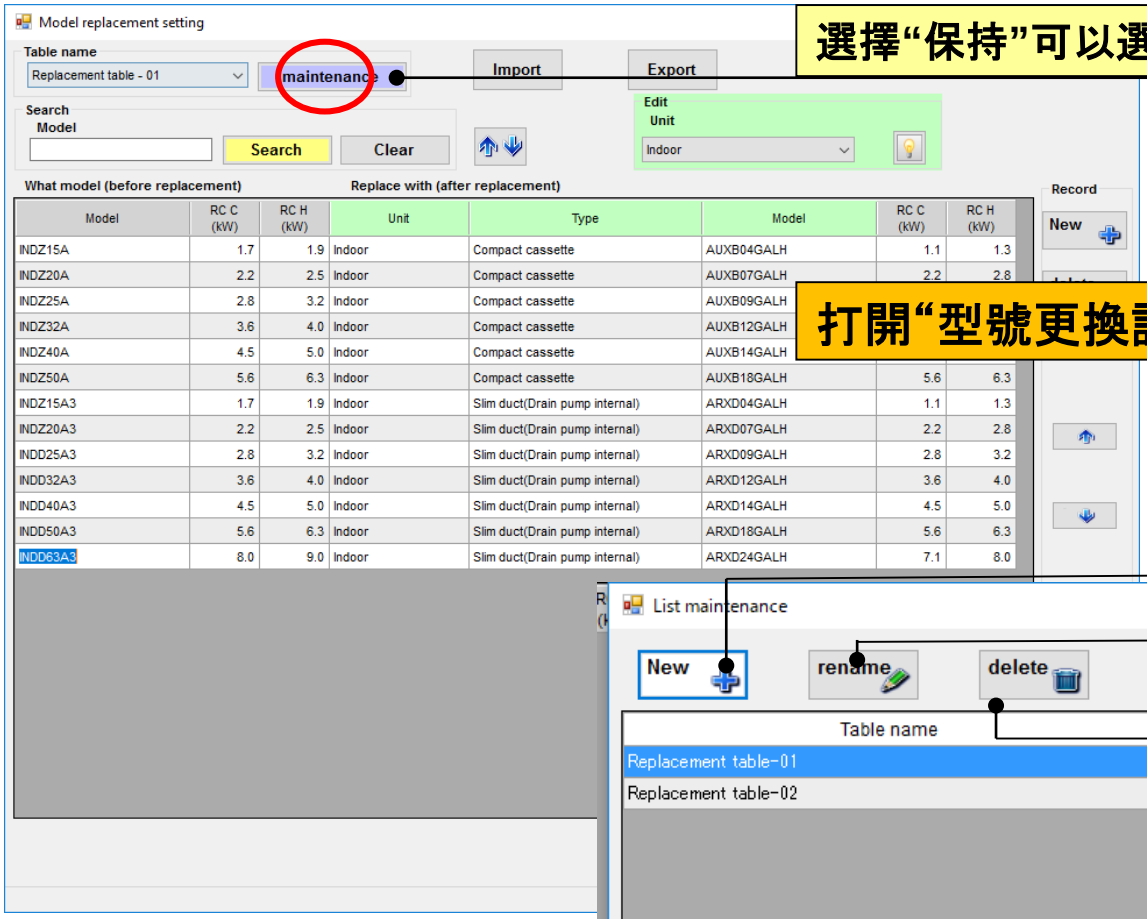
待更換的型號和更換後的型號可註冊型號替換功能.

A. 待更換的型號(Optional text)

B.更換後的型號(這個型號只有這間公司有)

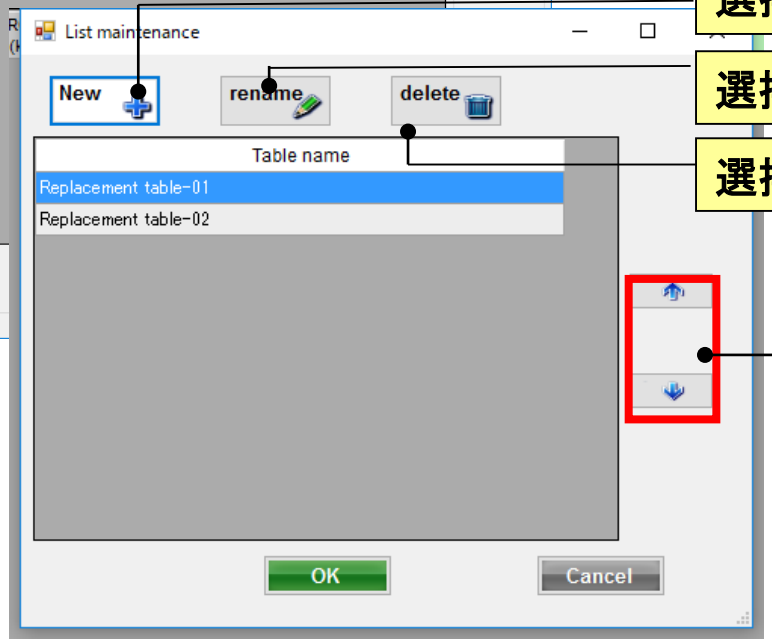
*從列表屏幕中選擇

型號更換設定(3/4)



選擇“保持”可以選擇多個替換表

打開“型號更換設定”



選擇 “新的”

選擇“改名”

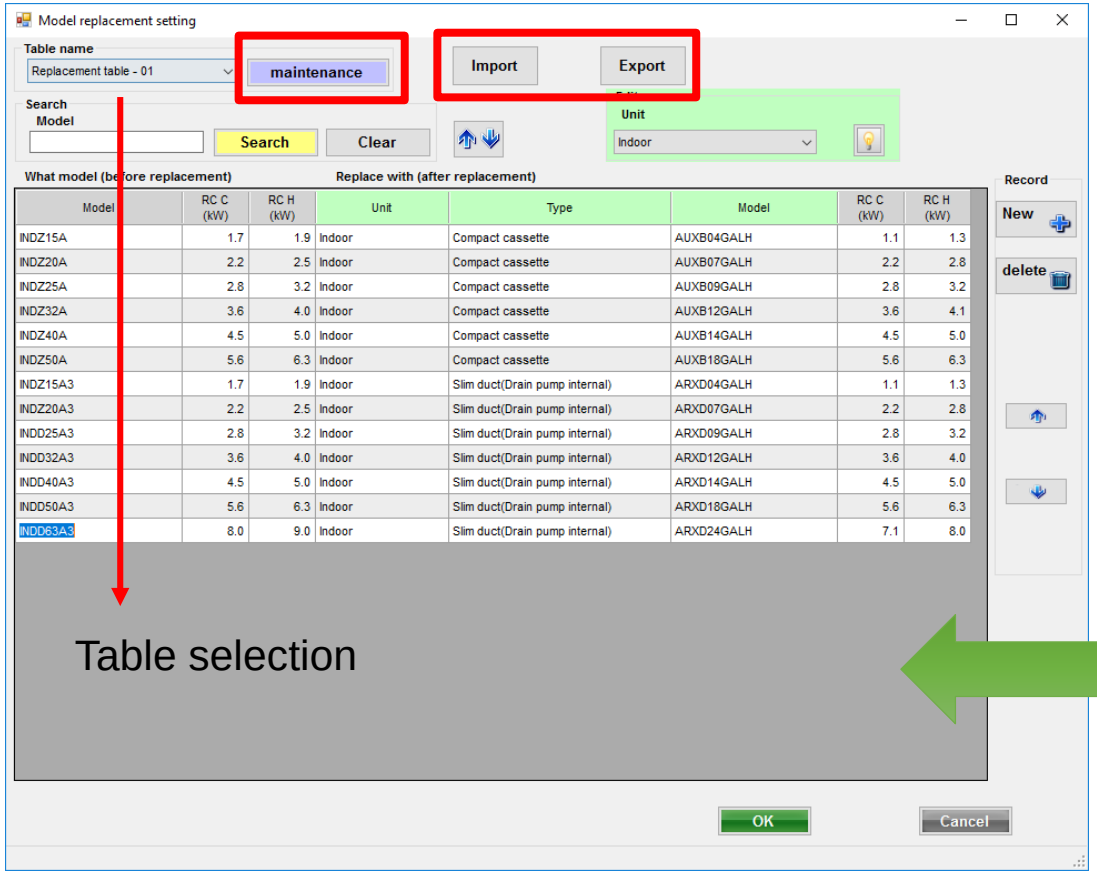
選擇“刪除”

選擇“次序”

初始設定

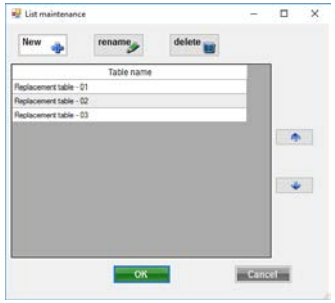
選機軟體

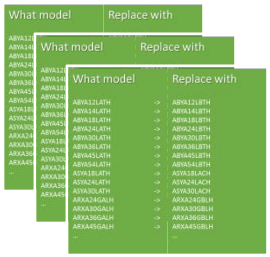
型號更換設定(4/4)



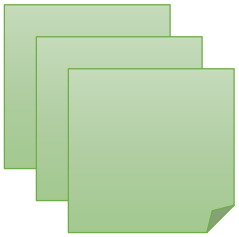
Model	RC C (kW)	RC H (kW)	Unit	Type	Model	RC C (kW)	RC H (kW)
INDZ15A	1.7	1.9	Indoor	Compact cassette	AUXB04GALH	1.1	1.3
INDZ20A	2.2	2.5	Indoor	Compact cassette	AUXB07GALH	2.2	2.8
INDZ25A	2.8	3.2	Indoor	Compact cassette	AUXB09GALH	2.8	3.2
INDZ32A	3.6	4.0	Indoor	Compact cassette	AUXB12GALH	3.6	4.1
INDZ40A	4.5	5.0	Indoor	Compact cassette	AUXB14GALH	4.5	5.0
INDZ50A	5.6	6.3	Indoor	Compact cassette	AUXB18GALH	5.6	6.3
INDZ15A3	1.7	1.9	Indoor	Slim duct(Drain pump internal)	ARXD04GALH	1.1	1.3
INDZ20A3	2.2	2.5	Indoor	Slim duct(Drain pump internal)	ARXD07GALH	2.2	2.8
INDD25A3	2.8	3.2	Indoor	Slim duct(Drain pump internal)	ARXD09GALH	2.8	3.2
INDD32A3	3.6	4.0	Indoor	Slim duct(Drain pump internal)	ARXD12GALH	3.6	4.0
INDD40A3	4.5	5.0	Indoor	Slim duct(Drain pump internal)	ARXD14GALH	4.5	5.0
INDD50A3	5.6	6.3	Indoor	Slim duct(Drain pump internal)	ARXD18GALH	5.6	6.3
INDD63A3	8.0	9.0	Indoor	Slim duct(Drain pump internal)	ARXD24GALH	7.1	8.0

(1)維護（例；表格增加或刪除）





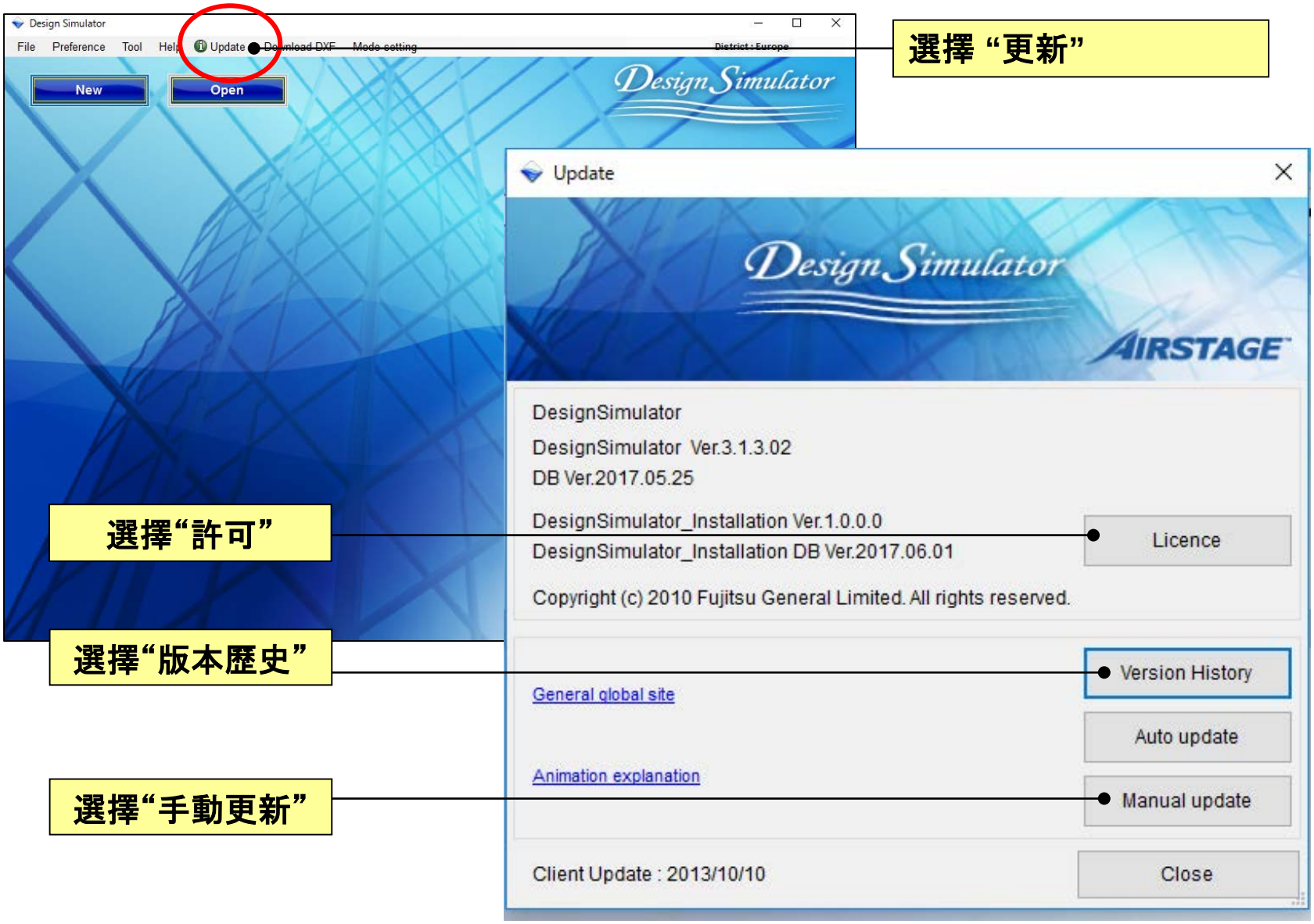
(2)每個表格的輸入/輸出



（1）多個替換的表格可以被註冊
（2）每個表個的數據可以輸入/輸出

初始設定

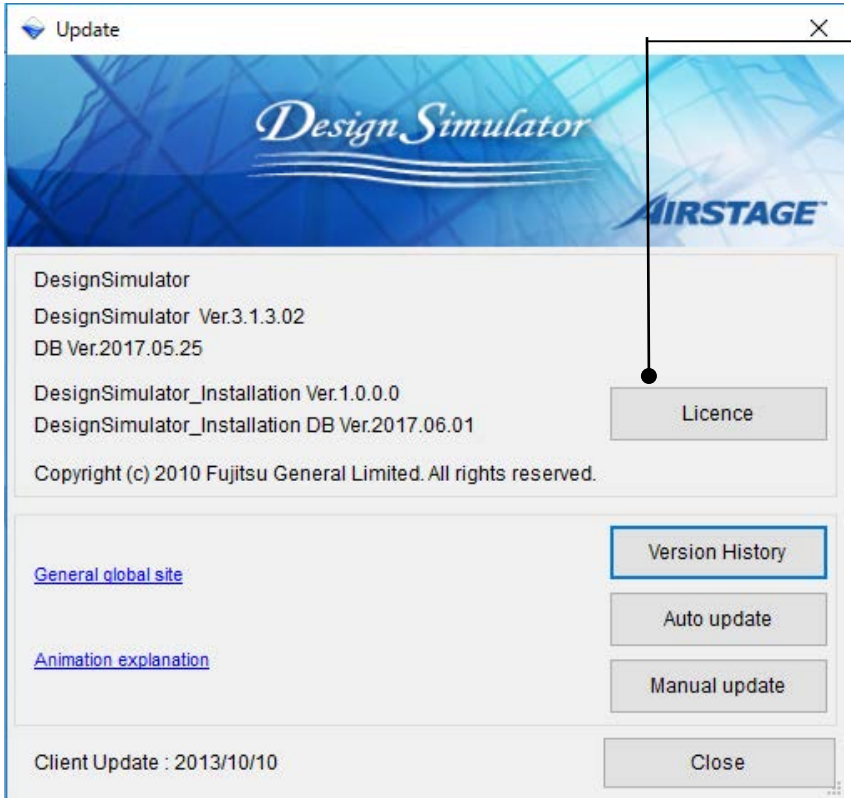
選機軟體


Design Simulator
File
Preference
Tool
Help
Update
Download DXF
Mode setting
District : Europe
New
Open
Design Simulator
選擇 “更新”
Update
Design Simulator
AIRSTAGE
DesignSimulator
DesignSimulator Ver.3.1.3.02
DB Ver.2017.05.25
DesignSimulator_Installation Ver.1.0.0.0
DesignSimulator_Installation DB Ver.2017.06.01
Licence
Copyright (c) 2010 Fujitsu General Limited. All rights reserved.
選擇“許可”
選擇“版本歷史”
Version History
General global site
Auto update
Animation explanation
Manual update
選擇“手動更新”
Client Update : 2013/10/10
Close

初始設定

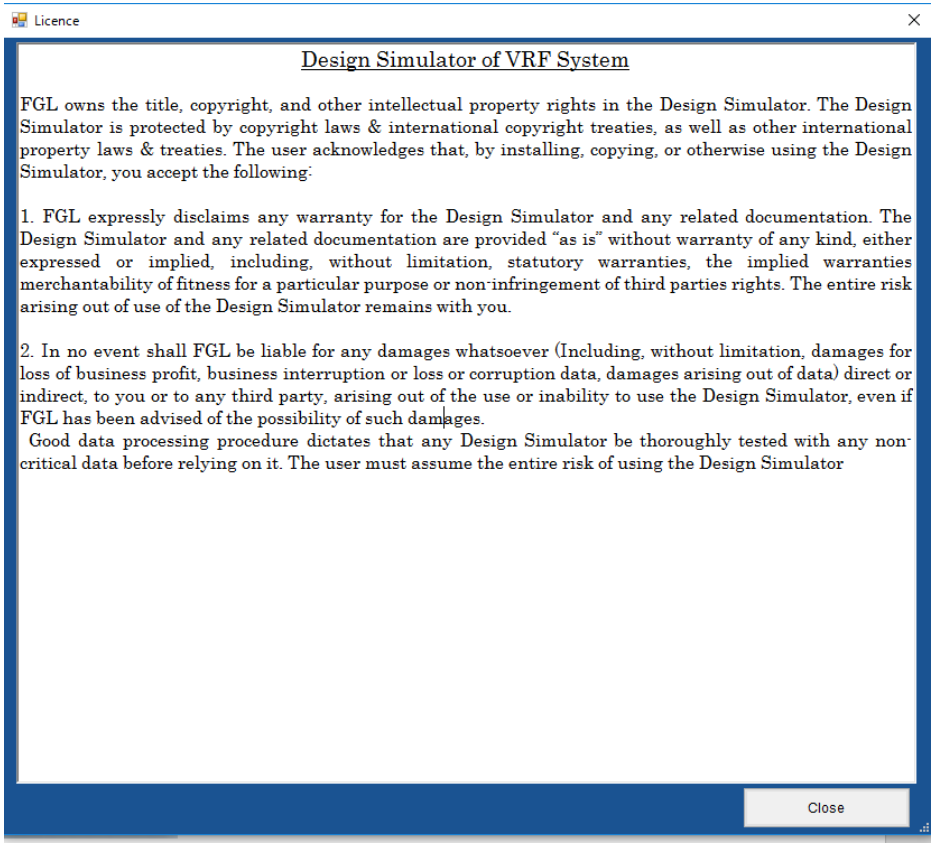
選機軟體

更新(1/3)

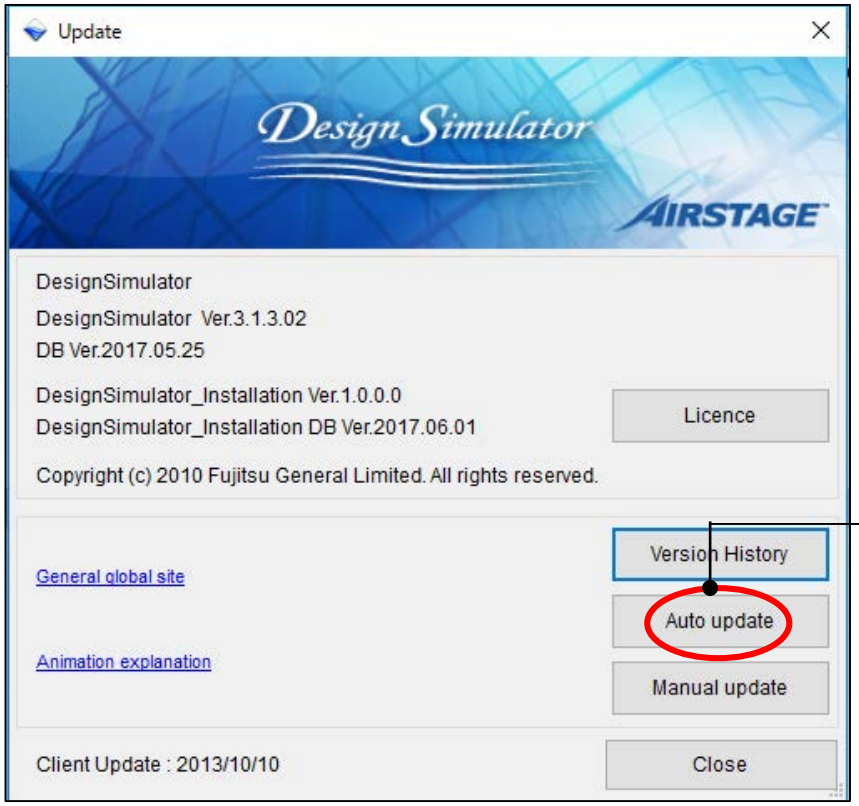


選擇“許可”

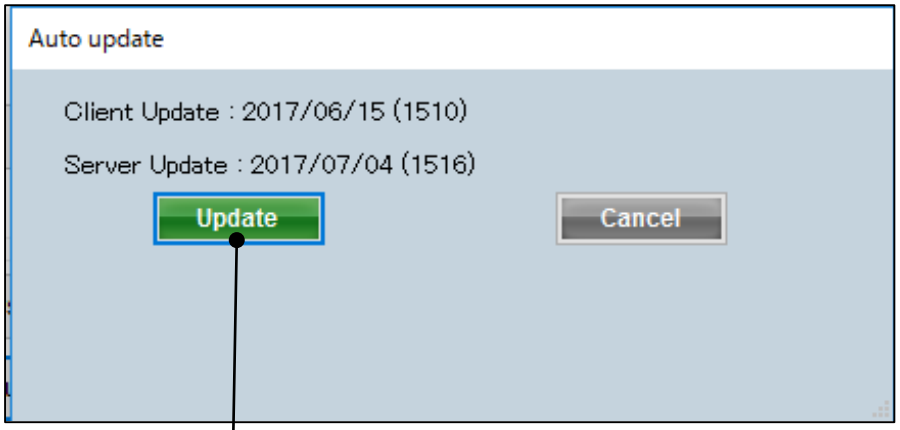
打開“VRF 系統機器選型工具”



更新(2/3)



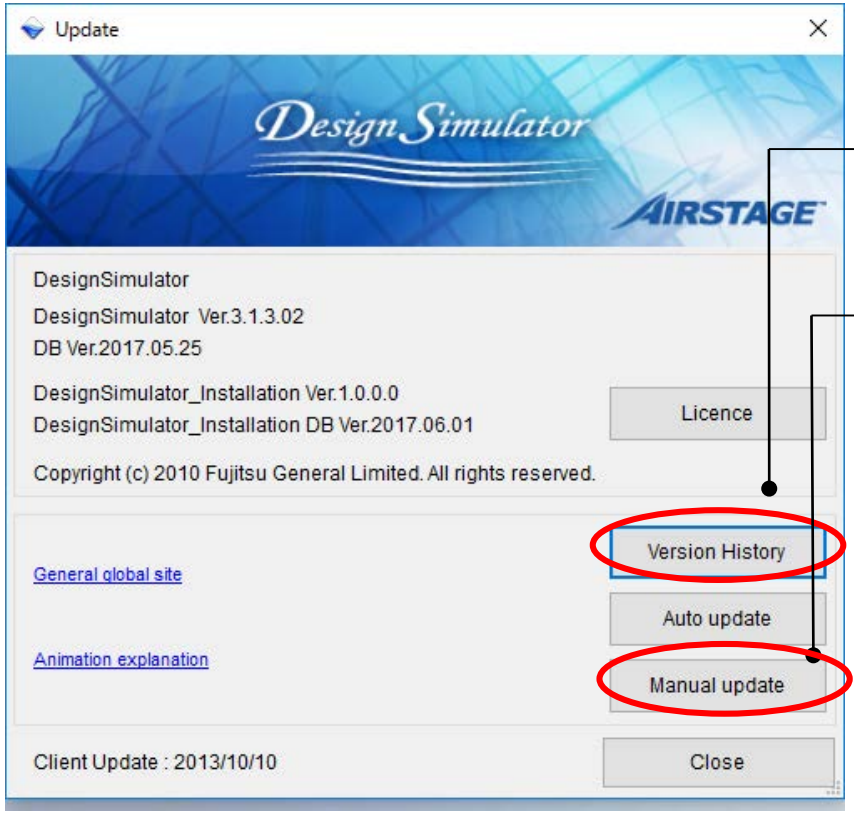
選擇“自動更新”



當“更新”的按鈕被按下設計模擬器版本將被更新

初始設定

更新(3/3)

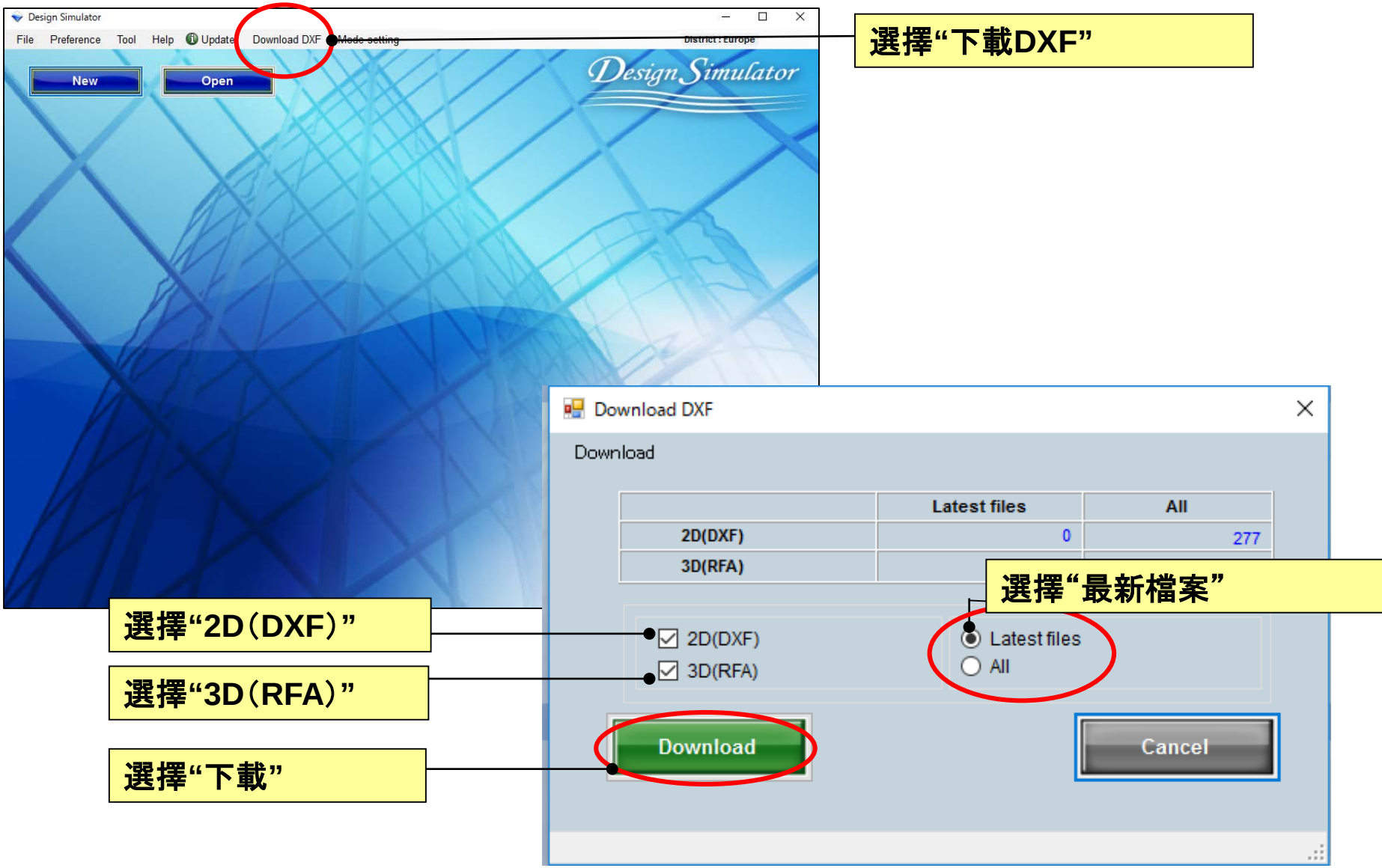


選擇“版本歷史”

選擇“手動更新”

最新的版本資訊可以通過按“版本歷史/版本歷史”

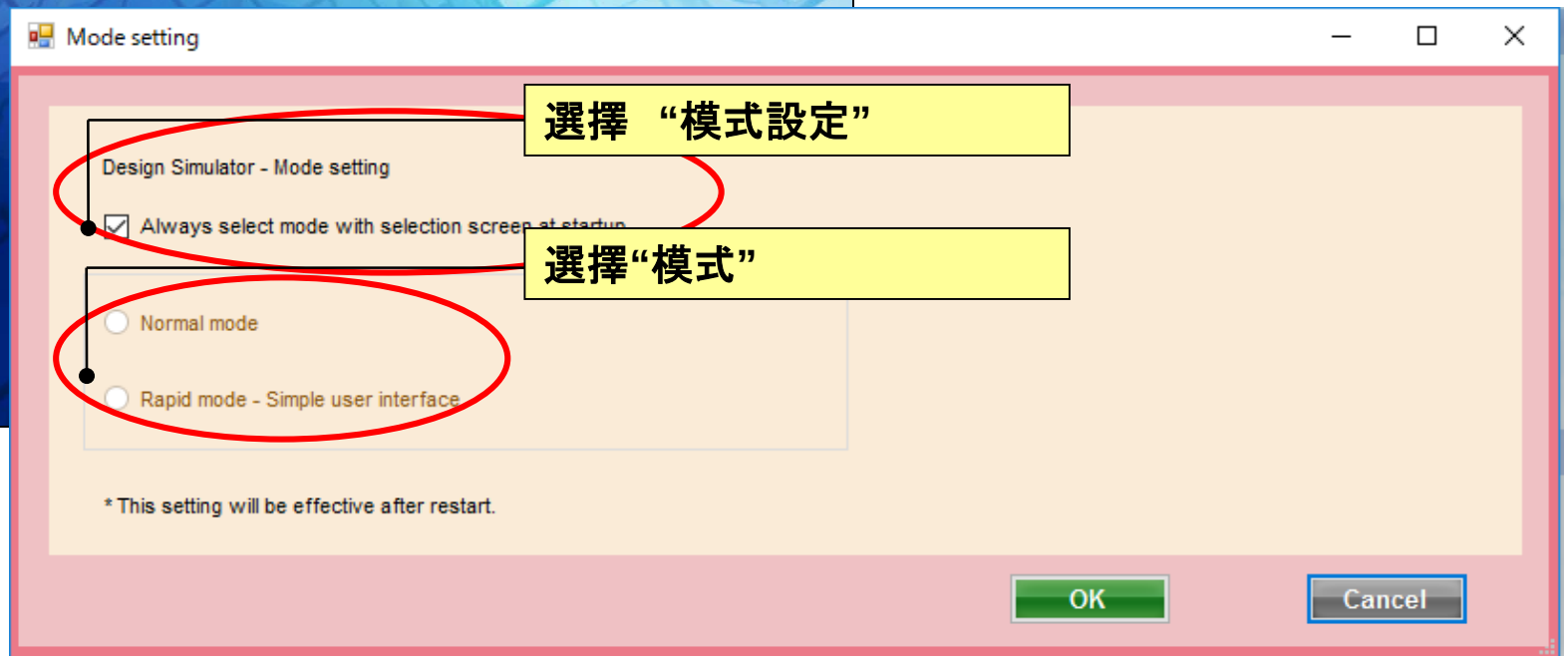
初始設定


Design Simulator
File
Preference
Tool
Help
Update
Download DXF
Mode setting
District : Europe
New
Open
Design Simulator
選擇“下載DXF”
Download DXF
Download
Latest files
All
2D(DXF)
0
277
3D(RFA)
選擇“最新檔案”
2D(DXF)
3D(RFA)
Latest files
All
選擇“2D（DXF）”
選擇“3D（RFA）”
選擇“下載”
Download
Cancel

初始設定(詳細)

選擇“模式設定”

打開“型號替換設定”

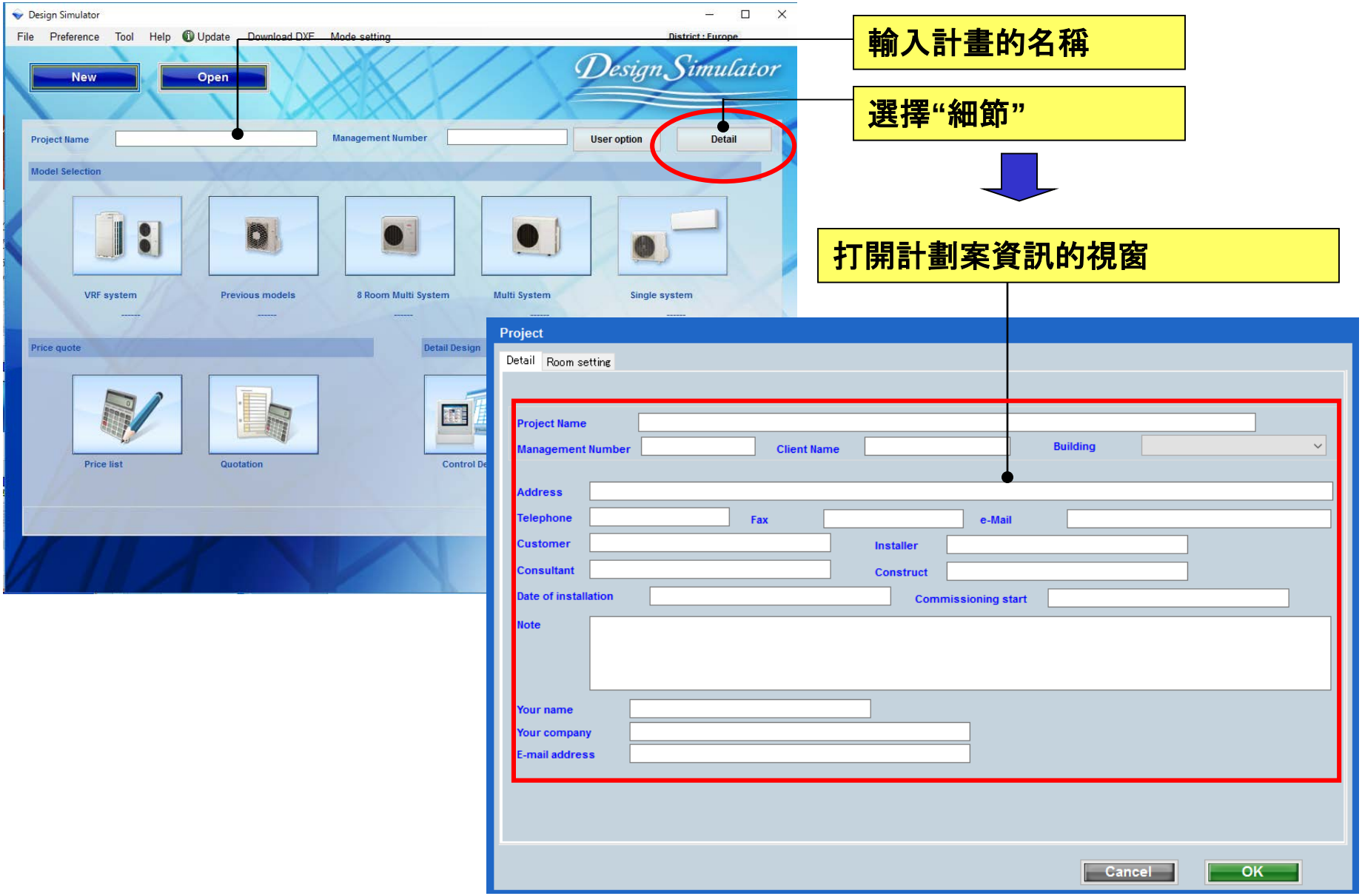


選擇 “模式設定”

選擇“模式”

普通模式或簡單模式可以被選擇.

初始設定(詳細)


Design Simulator
File
Preference
Tool
Help
Update
Download DXF
Mode setting
District : Europe
New
Open
Design Simulator
Project Name
Management Number
User option
Detail
Model Selection
VRF system
Previous models
8 Room Multi System
Multi System
Single system
Price quote
Detail Design
Price list
Quotation
Project
Detail
Room setting
Project Name
Management Number
Client Name
Building
Address
Telephone
Fax
e-Mail
Customer
Installer
Consultant
Construct
Date of installation
Commissioning start
Note
Your name
Your company
E-mail address
Cancel
OK
輸入計畫的名稱
選擇“細節”
打開計劃案資訊的視窗

初始設定(詳細)

房間功能設定

選擇樓層

新增或是移除樓層

顯示項目設定

Project

Detail | Room setting

Floor type: Multi Floor

Floor: All

Floor setting

Item setting

	Floor	Room	Length (m)	Width (m)	Height (m)	Rq TC (kW)	Rq SC (kW)	Rq HC (kW)	Tmp C (DBT)	Tmp C (RH %)	Tmp H (C)	Air space / person (m3)
1	Floor1	1F_Office	10.0	10.0	5.0	10	5	15	27	43.4	20	8
2	Floor1	2F_Conference1	20.0	20.0	8.0	20	10	30	27	43.4	20	22
3	Floor1	2F_Conference2	20.0	20.0	8.0	20	10	30	27	43.4	20	22
4	Floor1	1F_Office2_1	10.0	10.0	5.0	10	5	15	27	43.4	20	8
5	Floor1	1F_Office2_2	10.0	10.0	5.0	10	5	15	27	43.4	20	8
6	Floor1	1F_Office2_3	10.0	10.0	5.0	10	5	15	27	43.4	20	8
7	Floor1	1F_Office2_4	10.0	10.0	5.0	10	5	15	27	43.4	20	8
8	Floor1	1F_Office2_5	10.0	10.0	5.0	10	5	15	27	43.4	20	8
9	Floor1	1F_Office2_6	10.0	10.0	5.0	10	5	15	27	43.4	20	8
10	Floor1	1F_Office2_7	10.0	10.0	5.0	10	5	15	27	43.4	20	8

在房間裡設定室內機

移除樓層

Collective setting

Remove

Cancel

OK

1.設定建築的房間跟樓層的數量

2. 將室內機放到每個房間

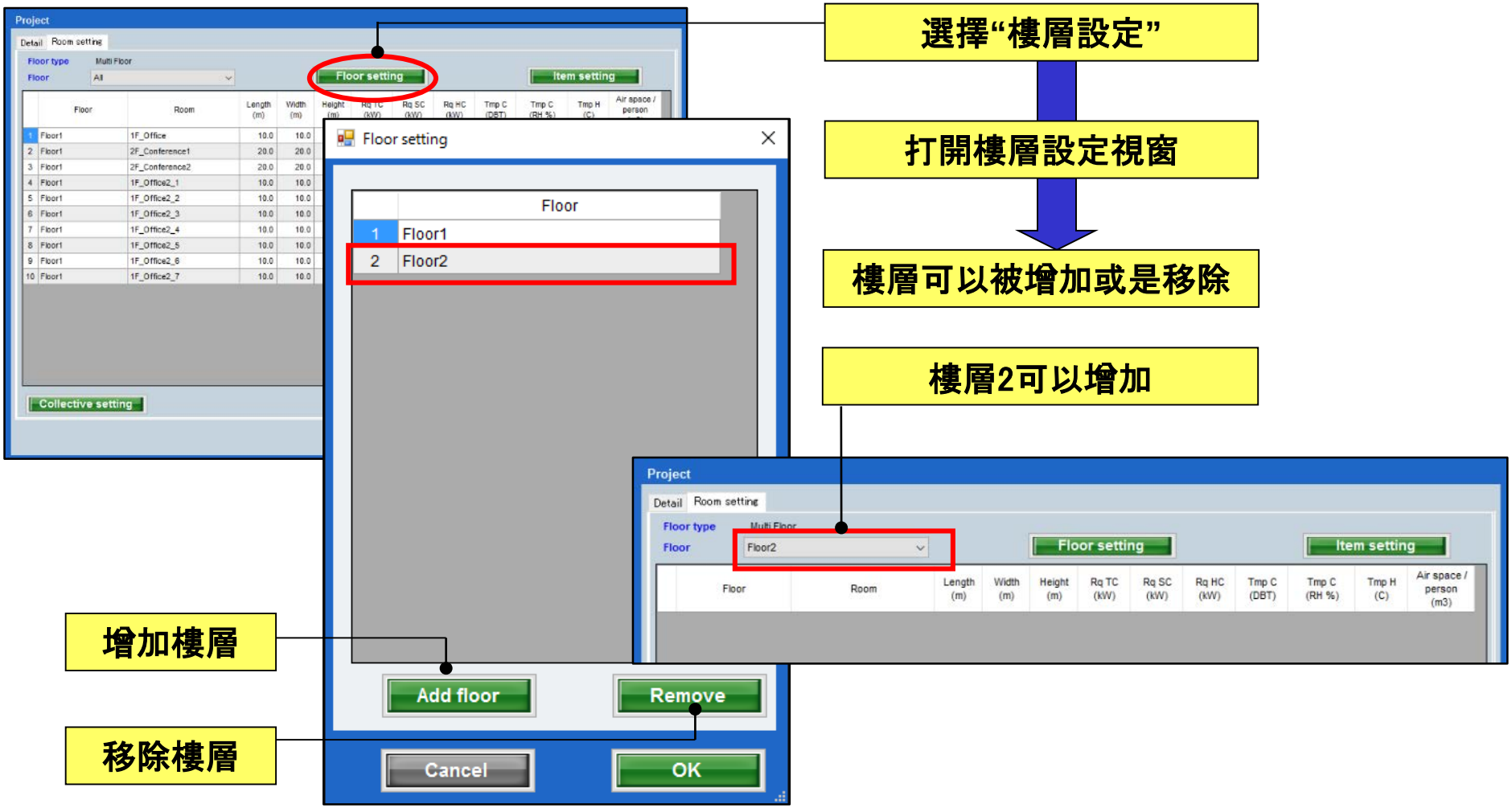
初始設定(詳細)

1.設定建築的房間跟樓層的數量

2.將室內機放到每個房間

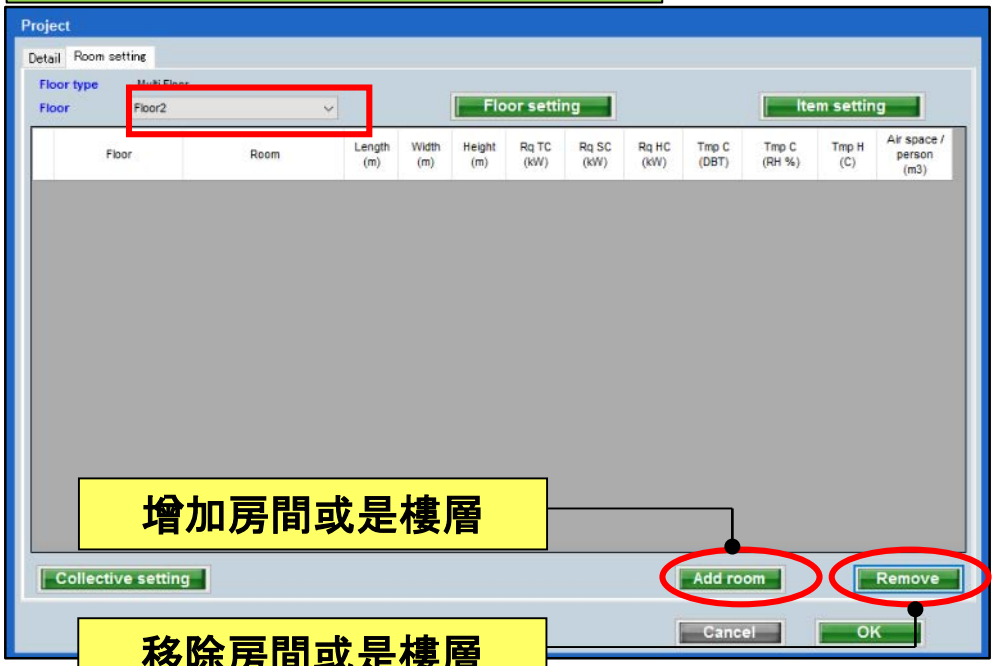
初始設定(詳細)

設定建築的樓層的數量



初始設定(詳細)

將室內機設定到每個房間



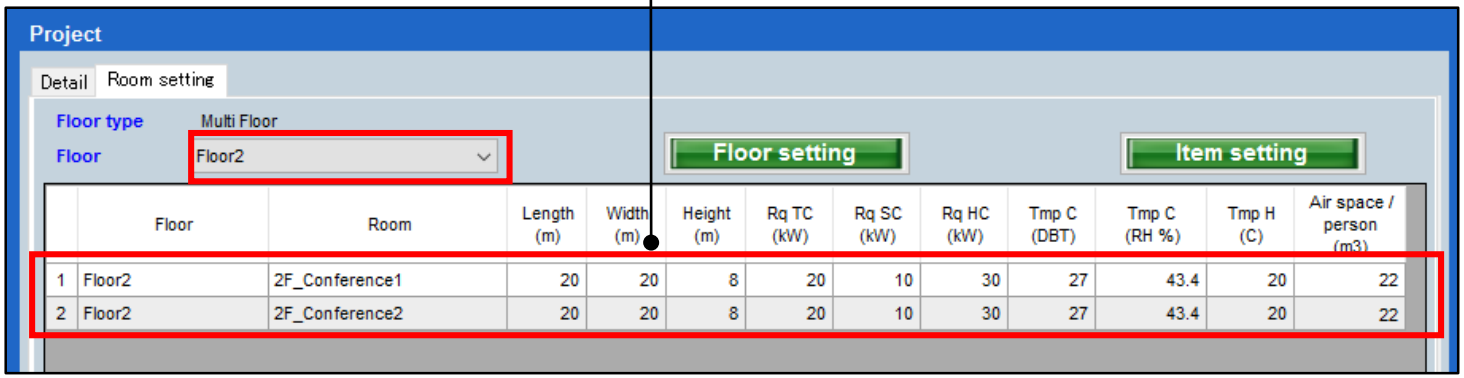
增加房間或是樓層

移除房間或是樓層

選擇“增加房間”

增加或是移除房間

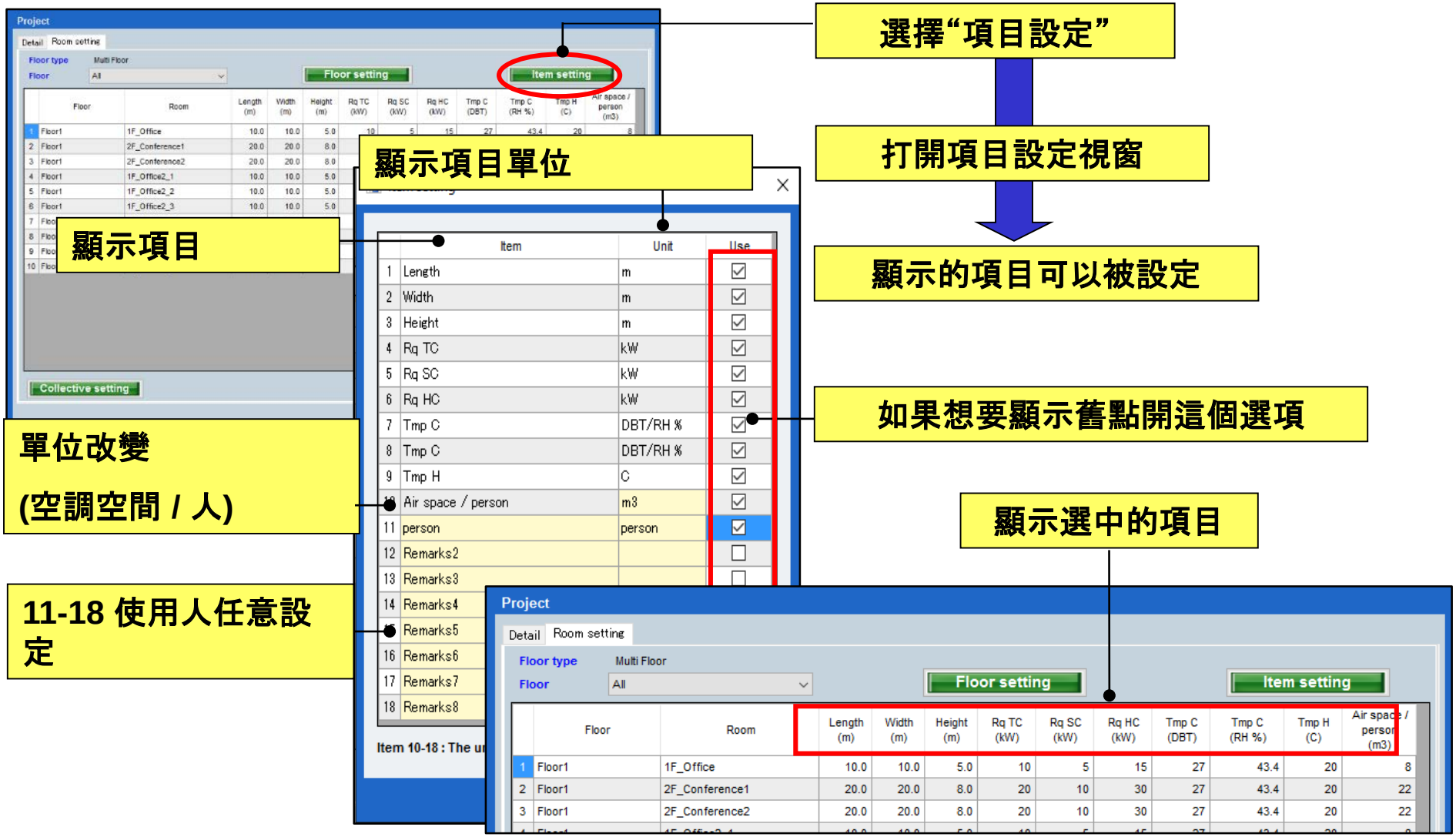
樓層2可以被增加



	Floor	Room	Length (m)	Width (m)	Height (m)	Rq TC (kW)	Rq SC (kW)	Rq HC (kW)	Tmp C (DBT)	Tmp C (RH %)	Tmp H (C)	Air space / person (m3)
1	Floor2	2F_Conference1	20	20	8	20	10	30	27	43.4	20	22
2	Floor2	2F_Conference2	20	20	8	20	10	30	27	43.4	20	22

初始設定(詳細)

顯示項目設定



選擇“項目設定”

打開項目設定視窗

顯示的項目可以被設定

顯示項目單位

顯示項目

如果想要顯示舊點開這個選項

單位改變

(空調空間 / 人)

顯示選中的項目

11-18 使用人任意設定

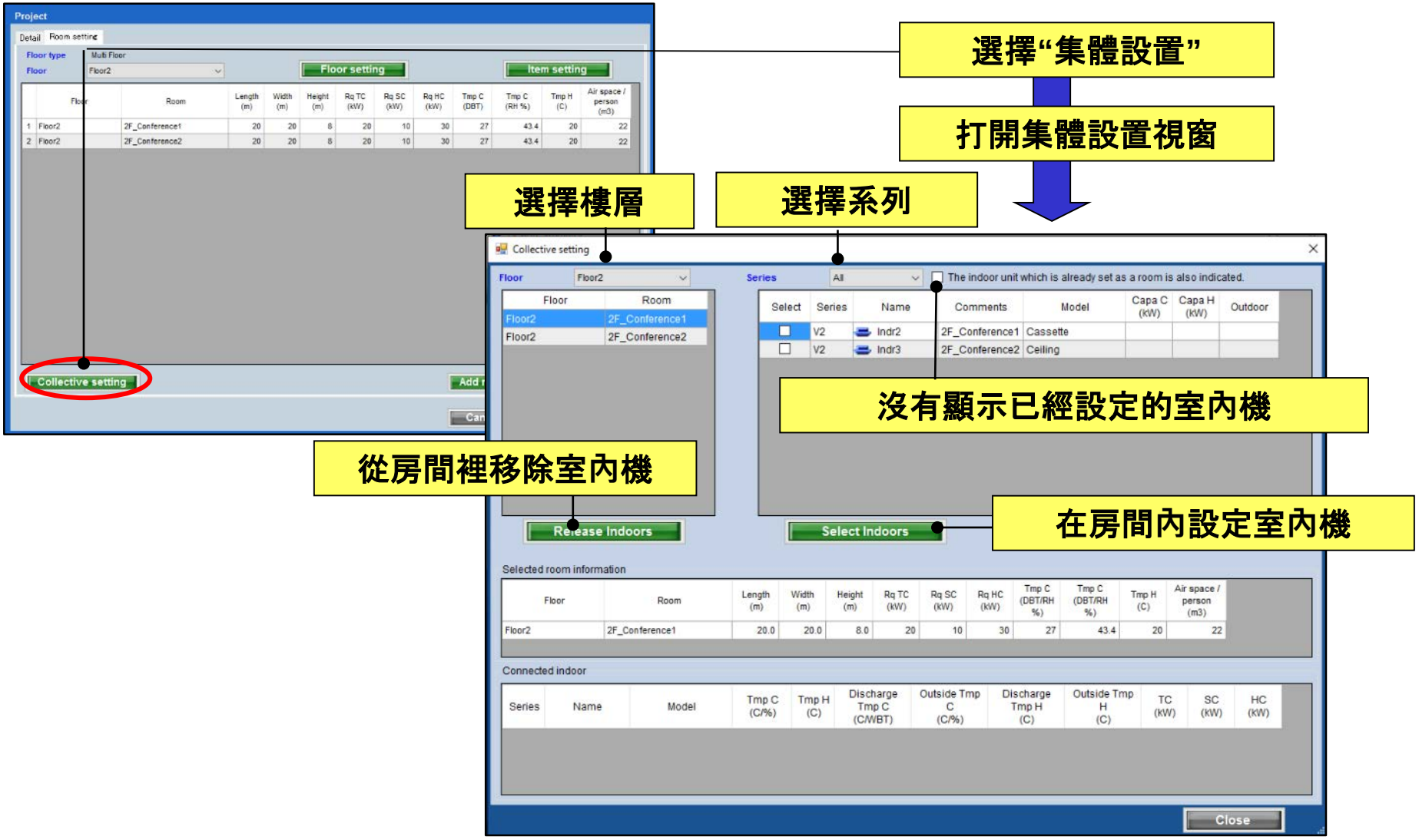
初始設定(詳細)

1.設定建築的房間跟樓層的數量

2.將室內機放到每個房間

初始設定（詳細）

房間設定的功能



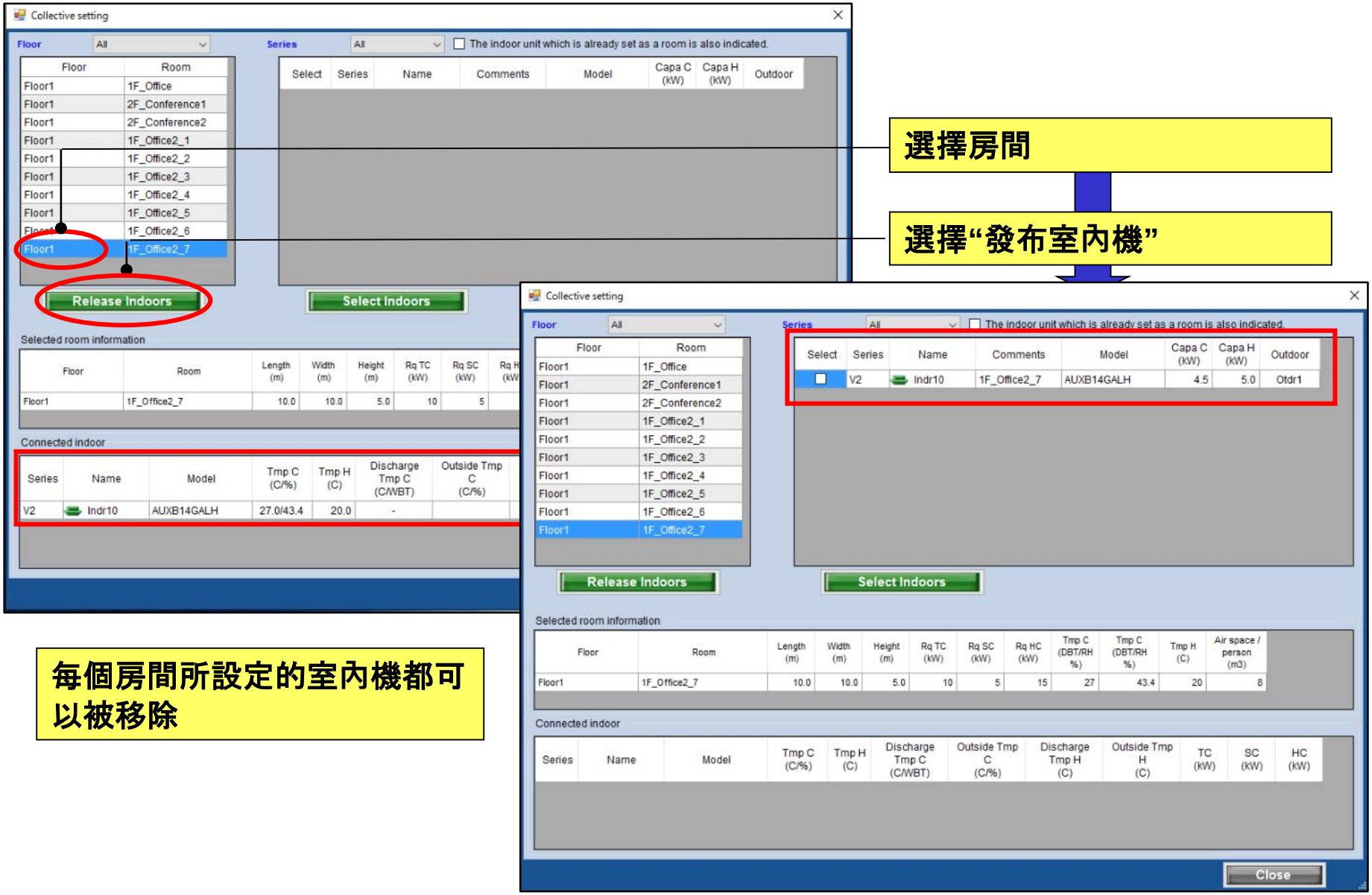
初始設定(詳細)

將室內機設置到每個房間

設置的室內機顯示在每個房間

初始設定(詳細)

移除每個房間的室內機



毎個房間所設定的室內機都可以被移除