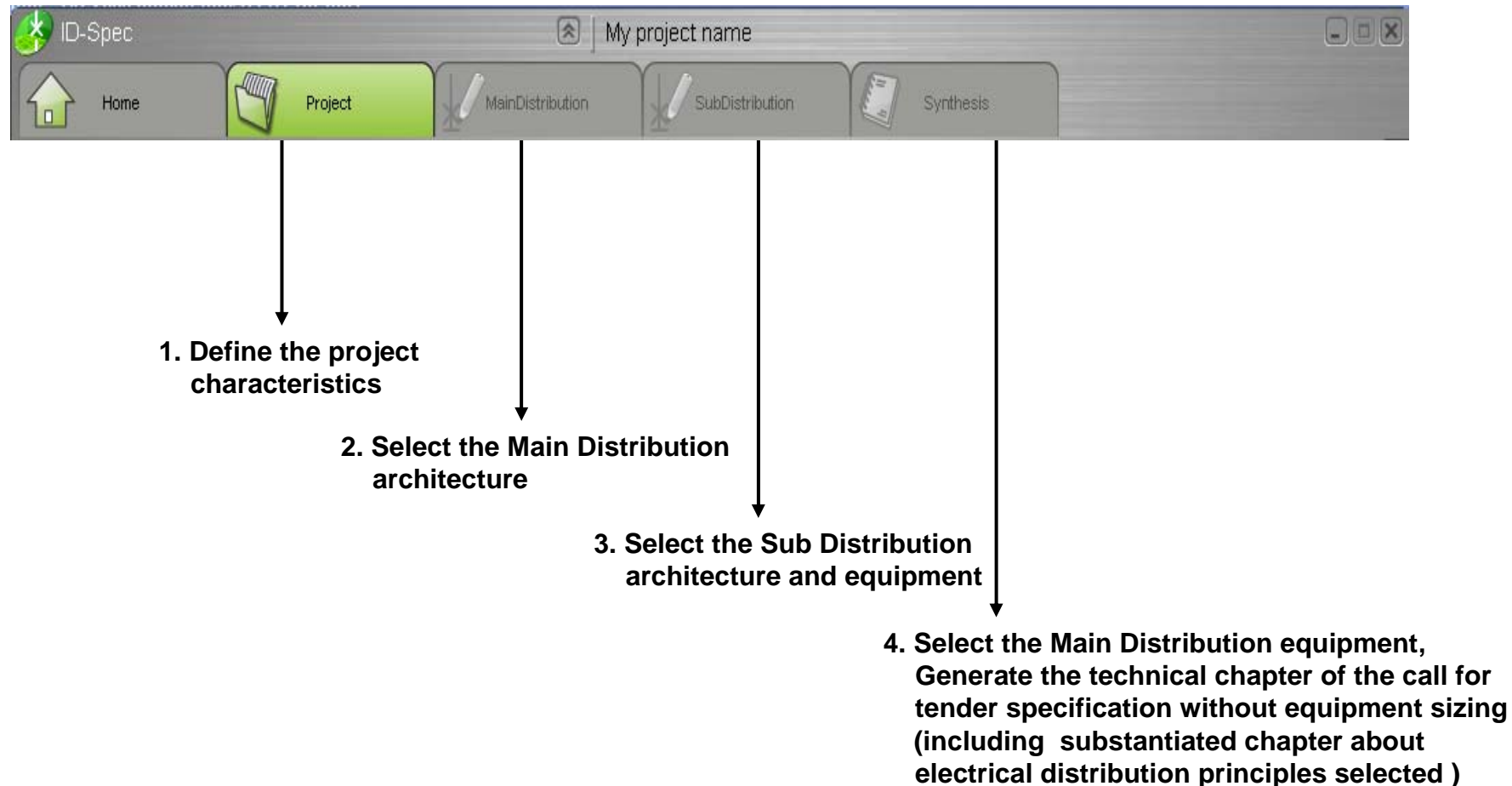


ID-Spec Help



The Schneider Electric software for pre design of electrical installation of Industrial and Tertiary Buildings

ID-Spec allows you to define electrical distribution principles in 4 steps and to present it to your customer in a substantiated report



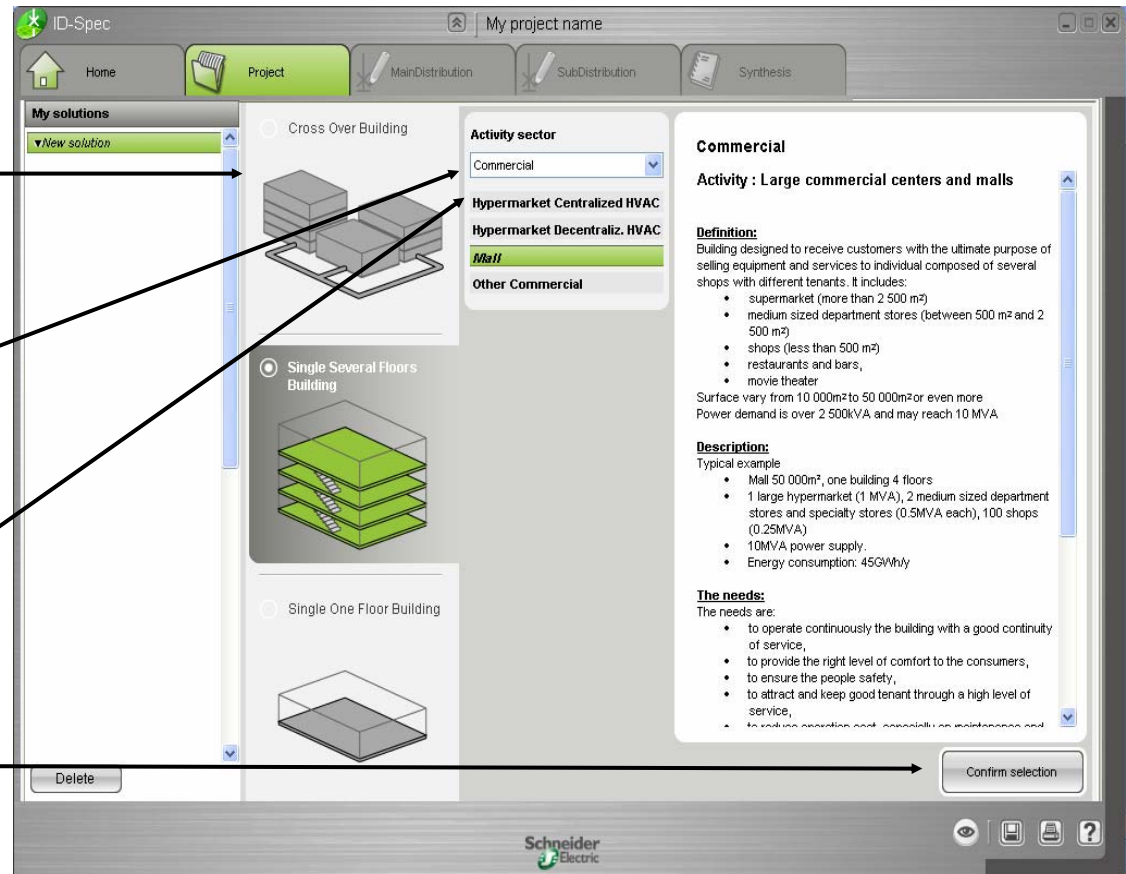
ID-Spec Step 1 : Define the project characteristics

1. Select the kind of site associated to the Electrical Distribution under design

2. Select the activity sector

3. Select the activity
The activity description is then displayed on the right part of the screen

4. Confirm the selections
The selected characteristics are then listed in the tree view on the left part of the screen and the next thumb is displayed



ID-Spec Step 2: Select the Main Distribution architecture

1. Define the Upstream connection parameters

2. Define the Site parameters

The relevant main distribution architecture are then displayed below the green arrow

3. View the proposed architecture and select one of them

By selecting one of the proposed architectures, display associated description and recommendations on the right part of the screen. After viewing all, select the most relevant, from your point of view.

4. Confirm the selections

The screenshot shows the ID-Spec software interface for configuring a main distribution architecture. The interface is divided into several sections:

- My solutions:** A list of solutions, with 'New solution' selected.
- Upstream connection:** Settings for the upstream connection, including 'Connected to' (Utility), 'Connection scheme' (Single Line), and 'Service reliability' (Standard).
- Site parameters:** Settings for the site, including 'Power demand' (1250 kVA < ≤ 2500 kVA) and 'Floor Number' (≤ 5).
- Single-line diagram pattern:** A diagram showing a transformer connected to a busbar, which is then connected to a distribution busbar with multiple outlets.
- Synthesis:** A section displaying various charts and data:
 - Inst. power field (kVA):** A bar chart showing a value of 10,000 kVA for 'Project floor N°'.
 - Reliability and Technicity:** Two bar charts comparing 'Reliability' and 'Technicity' across different levels (High, Medium, Basic).
- Selected Architecture:** A list of proposed architectures, with '1 Subst- N TransfoNO- Central.' selected.
- Confirm selection:** A button at the bottom right to confirm the selection.

ID-Spec Step 3a: Select the Sub Distribution architecture

ID-Spec proposes:

- a pre defined list of circuits,
- pre defined settings for the characteristics of these circuits according to the activity selected

1. If necessary, modify the circuit list by (bottom buttons)

- selecting the circuit and deleting or renaming it
- adding new circuit

2. For each circuit:

2a. Click on the circuit thumb

2b. Check and if necessary modify circuit characteristics

relevant architecture proposals are then listed below green arrow

2c. View the proposals for the circuit architecture

2d. Move to circuit technology selection

The screenshot shows the ID-Spec software interface for configuring a sub-distribution. The main window is titled 'My project name' and has tabs for 'Home', 'Project', 'MainDistribution', 'SubDistribution', and 'Synthesis'. The 'SubDistribution' tab is active. On the left, a 'My solutions' list shows various circuit types like 'Single Several Floors Building', 'Mall', 'Utility', etc. The central pane displays a list of circuit types under the heading 'Mall', including 'Large shops', 'Mall HVAC distribution', 'Mall HVAC production', 'Lighting', 'Medium shops', and 'Small shops'. The 'Large shops' circuit is selected. The right-hand pane shows 'Circuit characteristics' with various settings like 'Flexibility' (No), 'Load distribution' (Localised), 'Interruption sensitivity' (Short Failure Acceptable), and 'Disturbance sensitivity' (Medium). Below this is the 'One-line diagram proposal' section, where 'Centralized' is selected under 'Distribution principle'. A 'Centralized Layout' diagram is shown, depicting a star connection. The 'Description' and 'Recommendations' sections provide details about the centralized layout. At the bottom, there are buttons for 'Delete', 'Delete...', 'Add...', and 'Rename', and a 'Confirm selection' button. The Schneider Electric logo is at the bottom right.

ID-Spec Step 3b: Select the Sub Distribution equipment

2. For each circuit (continuation):

2e. Check and if necessary modify additional circuit characteristics

The relevant requirements on equipment are then displayed below the green arrow

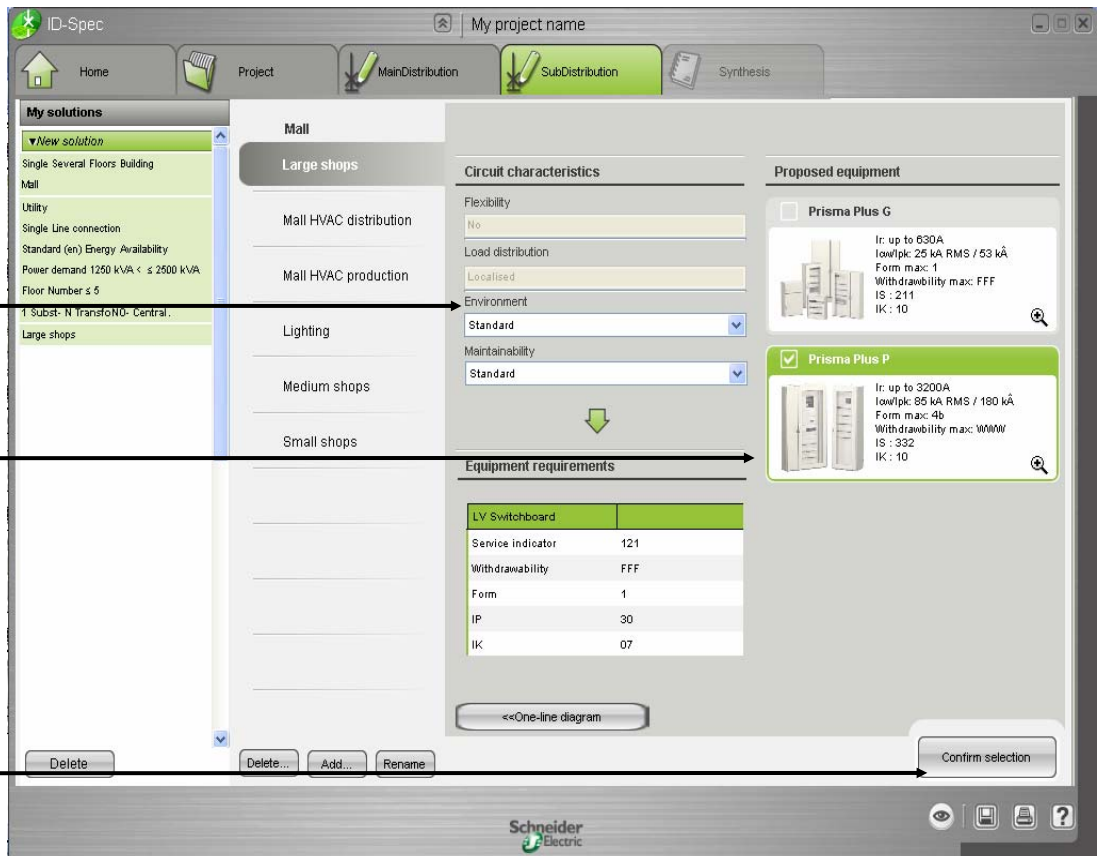
2f. Select the offer you want to specify for this circuit

It is possible to select several offers.

It is possible to have more information about one offer, by clicking on the zoom in the right bottom corner of the offer label

Then click on the next circuit thumb.
(It resumes the 2a step for this next circuit)

3. Confirm the selections done for all the circuits



ID-Spec Step 4a: Select the Main Distribution equipment

In the Main Distribution sub-thumb

1. Select the offer you want to specify for each equipment of the single line diagram

It is possible to select several offers for one equipment.
It is possible to have more information about one offer, by clicking on the zoom in the right bottom corner of the offer label

2. Click on the Sub Distribution sub thumb

The screenshot shows the ID-Spec software interface. At the top, there's a navigation bar with 'Home', 'Project', 'Main Distribution', 'Sub Distribution', and 'Synthesis' buttons. Below this, there are tabs for 'Main Distribution', 'Sub Distribution', and 'Report'. The 'Main Distribution' tab is active. On the left, there's a 'My solutions' list with a scrollable area containing various building types and connection types. The main area displays a 'Main distribution one line diagram pattern' with a schematic showing a transformer, two busbars, and a distribution bus with multiple outlets. To the right, there's a 'Proposed equipment' panel with a grid of equipment options: SM6 (checked), Trihal, Minera (checked), and Prisma Plus P. Each option has a zoom icon in the bottom right corner. At the bottom, there's a 'Delete' button on the left and an 'End solution' button on the right. The Schneider Electric logo is at the bottom center.

ID-Spec Step 4b: View the Sub Distribution summary

In the Sub Distribution sub-thumb

1. View the sub distribution summary

It summarizes for each circuit the one line diagram recommended, the equipment requirements, and the proposed offer. You can select the column and rank the lines.

2. Click on the Report sub thumb

The screenshot shows the ID-Spec software interface. The top navigation bar includes 'Home', 'Project', 'MainDistribution', 'SubDistribution', and 'Synthesis'. The 'Sub Distribution' sub-thumb is selected, and the 'Report' sub-thumb is also selected. The main content area displays two tables: 'Busbar trunking system (BTS) connection' and 'LV switchboard connection'. The 'BTS' table has columns for 'Distributi...', 'LV config', 'Backup', 'UPS', 'IP', 'IK', and 'Proposed equipments'. The 'LV switchboard' table has columns for 'Distributi...', 'LV config', 'Backup', 'UPS', 'IP', 'IK', 'Withdra...', 'Form', 'Service ...', and 'Proposed equipments'. The 'Report' sub-thumb is highlighted in the top navigation bar.

Distributi...	LV config	Backup	UPS	IP	IK	Proposed equipments	
Mall HVAC distrib...	Distributed	Radial	No Generator	No UPS	30	07	KSA;KNA;KB
Lighting	Distributed	Radial	LV Generator	No UPS	30	07	KSA;KNA;KB
Small shops	Distributed	Radial	LV Generator	No UPS	30	07	KSA;KNA;KB

Distributi...	LV config	Backup	UPS	IP	IK	Withdra...	Form	Service ...	Proposed equipments	
Large shops	Centralized	Radial	LV Generator	No U...	30	07	FFF	1	121	Prisma Plus G;Prisma Plus P
Mall HVAC produ...	Centralized	Radial	LV Generator	No U...	30	07	FFF	1	121	Prisma Plus G;Prisma Plus P
Medium shops	Centralized	Radial	LV Generator	No U...	30	07	FFF	1	121	Prisma Plus G;Prisma Plus P

ID-Spec Step 4c: Generate the report for your customer

In the Report sub-thumb:

1. Select additional equipment if necessary

2. Edit report

3. End the solution

You will be asked about the name you want to give to the solution

