The APM lets you model a given manufacturing area. The first thing you should do is to create a "Physical Area" You can supply a 2D image of the target area.

## 1. Go to "Implantation / Physical Areas"

APM Advanced Plant Model v4.6.12 3-September-2021 Training EN+ Rui Correia D •							
Administration >	/ 🖀 APM / 📃 Implantation / 📃 Physical Areas				IILAB		*
Catalogue 🕽							+ New Physical Area
Implantation 💙	Physical Area 👫	Type Of Area	Reference Robot	Physical Area Map	i.		Actions
Physical Areas	IILAB 🗸	Type - warehouse	IILAB_virtualRefRobot				Ē.
Fleet Setup							
Set Map							
Set Objects							
Racks							
L. boxes & Parts							
S. boxes & Parts							

- 2. Press "New Physical Area" button (top right in the above screen)
- Supply an identifier (e.g. IILAB)
- Specify the type (warehouse or assembly line)
- Press "Map / Select file" button
- Supply a file containing the map for the physical area
- Identify the scale of the map, i.e. how many meters correspond to a pixel

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	Identifier		Туре					
Catalogue 🗲	IILAB_with_map		warehouse					
Implantation ¥	Physical area width (m)		Physical area height (m)					
Physical Areas	10		10					
Fleet Setup	Мар							
Set Map	- magina a mar							
Set Objects								
Racks	nia							
L. boxes & Parts	Select File							
S. boxes & Parts	Resolution (meters / pixel)							
Equipments	0.00455							
Conveyors	Origin (relative to left bottom corner)							
Kits	X (pixeis)	Y (pixeis)		Yaw (pixeis)				
Workstations	0	0		0				
Final Products	Save changes							
Production Lines								
Robot fleet								
Workers								
Runtime >								

- Press "Save changes"
- Confirm the creation of the physical area (press the dropdown item on the top right).

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Implantation ¥	Physical Area 🛔	Type Of Area	Reference Robot	Physical Area Map	Ac	tions
Physical Areas	IILAB 🗸	Type - warehouse	IILAB_virtualRefRobot		6	1
Fleet Setup Set Map	IILAB_with_map	Type 🔹 warehouse	IILAB_with_map_virtualRefRobot		6	1
Set Objects						
Racks						
L. boxes & Parts						
S. boxes & Parts						
Equipments						

• Select it so that you start modelling this new physical area.

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Administration. >	/ $\ll$ APM / $\equiv$ Implantation / $\equiv$ Physical Areas				IILAB_with_map	$\frown$	
Catalogue >					11/23	6 41.00	+ New Physical Area
Implantation ~	Physical Area 💵	Type Of Area	Reference Robot	Physical Area Map		h	Actions
Physical Areas	IILA8	Type 🔹 warehouse	IILAB_virtualRefRobot		$\cap$		
Fleet Setup Set Map	IILAB_with_map	Type \star warehouse	IILAB_with_map_virtualRefRobot				
Set Objects							
Racks							

• Go to "Implantation / Set Objects". This is the place where you will implant objects on the Physical Area.

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Catalogue 🕽	Grid Show Hide	Zoom 0.40 – + Pan < > > ^ 1 pixel 2.0311 moders	
Implantation 💙			
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L. boxes & Parts			
S. boxes & Parts			
Equipments			
Conveyors			
NIIS Workstations			
Final Products			
Production Lines			
Robot fleet			
Workers			
Runtime >			

The grid is configured so that each square's side length is 1 meter.

You can zoom in or zoom out by pressing the Zoom button.

You can move in the area by pressing the four Pan buttons.