Welcome,

Thank you for choosing SiteMaster® Kitchen, an innovative surveying tool for kitchen surveying.

To help you get started with SiteMaster® Kitchen, we will guide you on the following pages through the registration, installation and handling of our software.

# Part 6: Checking an existing kitchen design



# 1. Loading an EGI file

Please open an existing kitchen design from CARAT with the **EGI IMPORT** command from the General toolbar.

In the file explorer, select the folder in which the EGI file is located and press open.

16	CARAT File	×
🔄 🄄 🔻 🏌 🌽 « Desktop	→ SiteMaster Kitchen v Č	Search SiteMaster Kitchen 🔎
Organize 🔻 New folder		:== 👻 🔞
This PC  Autodesk 360  Cesktop  CopenOffice 4.0.1 (en-US) In  SiteMaster Kitchen  Documents  Documents  Music  Pictures  Videos  Videos	<ul> <li>Name</li> <li>Aufmass_518-1.egi</li> <li>Aufmass_518-1_survey_NEW.egi</li> <li>Kitchen Design Drawing.egi</li> <li>Test 123.egi</li> </ul>	C 5 1 5 5 No preview available.
File name: K	(itchen Design Drawing.egi 🗸 🗸	CARAT Files (*.egi) V Open Cancel

Now you can start to check the design with the **Check toolbar** one after each other from top to bottom. The sequence of the checking tools controls the

#### testing process and facilitates the learning curve using SiteMaster Kitchen:



# 2. Adding Customer Data



When selecting **CUSTOMER DATA** the following dialog box will appear:

Ĩe	Custo	omer Dat	ta	×
[				
	Attribute		Value	
	Company			
	Planer			
	Surveyor			
	Measurement-Id			
	Phonenumber			
	Email			
	Commission			
	Date			
	Client			
	Street address			
	Zip and location			
	Client phonenu			
	•			
		OK	Cancel	

When you the select a field in the Value column you can type in the surveyor and customer information.

## 3. Check Room Height



To check the dimensions of a current plan, you start with checking the room height. When you select **CHECK ROOM HEIGHT**, the following dialog box will appear:

🖆 Check Room Height						
Current	Measured					
Height: 2500	2500					
ОК	Cancel	Settings				

The current height represents the height dimension that is currently in the plan.

The measured height is the actual measured height that you need to measure.



To measure the height you can use a measuring tape and insert the value manually; or measure with a handheld laser and transfer the dimension via Bluetooth to SiteMaster Kitchen.

Once you measured the room height the room height tag changes color from red to green.

Unchecked

Checked

P Room Height: 2500

T Room Height: 2500

Fip: to transfer a dimension from the laser device - make sure you are in 2<sup>nd</sup> mode so you can confirm with transfer with the direction buttons.



4. Checking Walls



The next step is to check the length and the height of the walls in the kitchen.

Select **CHECK WALLS** in the left toolbar and specify the first wall you would like to check with your tablet pen or PC mouse.



The dialog box indicates the current length and height and ask you to measure the length of that wall; if needed you can also measure the height of the individual wall.

When you completed checking a wall the wall tag number will change from red to green.



## **5. Checking Angles**



To check the angles of the kitchen, select **CHECK ANGLE** and Specify the first angle you want to check.

There are two options to check angle dimensions between walls:

- 1) Measuring the diagonal
  - a. Measure the wall diagonal from corner to corner
  - b. If you cannot measure the full diagonal you can change the length of the walls measuring the diagonal, for example measuring the diagonal from the middle of each wall
- 2) Measuring the angle
  - a. If you have an angle meter you can use it to determine the angle and manually type-in the angle in the field



Start with the angles that are important for the kitchen, because depending of the amount of angles the remaining will automatically calculate themselves and turn green.

Ϊđ.			SiteMaster Kitchen 2014 - [Ki	tchen Design Drawing_surve	y.dwg*]	- 🗆 🛛
🖬 File	Edit View Insert Format [	Dimension Draw	Modify Building Modify Walls	Building Dimension Kitchen	Tools Window Help	_ 8 ×
4		~		id.	Check Angle	×
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				Length: Wall 8	6000 8'	
<b>()</b>	000			Length: Wall 1	4010 1'	
	4	3200	Length: 40 Height: 25	Curre	ent Measured	D
		32		Diagonal: 7217	7217	
				Angle: 90.00	90.00	لا ۱
<b>Q</b>	Y			ОК	Cancel Setting	s
	ĺ œ→→x		* 90.			
		·				
	Model 3D Plan					
	Press ESC or ENTER to exit.					^ <u>+-</u>
+-	_CHECKANGLE					~
	Specify angle dimension betw	veen walls»	Snap Grid Ortho Polar	ESnap ETrack LWeight MC	DDEL (226,274,0)	

## Get Started Guide Part 6 - Checking a Kitchen





If the kitchen has a roof pitch/slope you can check the roof with **CHECK ROOF** and selecting the roof pitch.





First you need to measure the offset, d1, from the corner to the roof pitch. The width is the width of the roof pitch and the knee wall is the height from the floor to the beginning of the roof pitch. Measurement distance is the dimension between the knee wall and the end of the roof pitch.

# 7. Generate Updated Floor Plan



Once you checked the ceiling height, walls, angles and roof slopes you need to update the floor plan with the new dimensions.

To update the kitchen layout select **GENERATE FLOOR PLAN**. The floor plan is now recalculated and all geometries and dimensional chains are adjusted.

Only in this updated design can you insert and check doors, windows, radiators, niches or obstacles to ensure that their positions are correct and accurate.





Checking doors works in the same principle as the other checking tools. Select **CHECK DOOR** and specify a door a dialog box will appear which will show you the initial dimensions and the measured values.

First select if you measure to the outside of the frame or the inside. Offset is the distance, d1, from the corner to the door location.

Length: 4010 Height: 2500		[	1d	Check Door	Veasurement	×
			General Deta	Current	Measured	
			Measure to: Offset:	4000	Outside of frame v 4000	
* 90 gg	d1		Opening width: Opening height:	1000 2100	2100	
		37	Frame width: Hinge: Opening direction	50 Right : Inward	50 Right v Inward v	
×X	Number: Width: Height: Comment:	1 l 1000 <sup>k</sup> 2100		ОК	Cancel	Settings

With the arrow button you can change the offset, d1, direction from one side to the other side of the wall.

Afterwards you measure the opening width, height, frame width and select the hinge location and opening direction.

14	Check Door	Measurement	×	间	Che	ck Door Measurement	×
General Det	ails				General Details		
	Current	Measured			<ul> <li>Measure details</li> </ul>		
Measure to:	Outside of frame	Outside of frame 🗸					
Offset:	4000	4000			Clear inner width:	0	
Opening width:	1000	1000			Door frame depth:	0	
Opening height:	2100	2100		1	Door thickness:	0	
Frame width:	50	50			Door handle depth:	0	
Hinge:	Right	Right 🗸		ĺ	Door aperture depth:	0	
Opening direction	n: Inward	Inward 🗸		ł			
	ОК	Cancel	Settings			OK Cancel Setting	js

There are two tabs one General tab and one extra tab for Details. If you want to measure and include the details you need to tick the box for Measure details.

After you measured all dimensions and press OK the door tag will turn from red to green.

#### 9. Checking Windows



Checking windows is carried out in the same principle as checking doors, but has 4 tabs.



The Profile extension, under the Details tab, is automatically calculated by the window bottom edge minus the sill height. So if one of the two dimensions changes the profile extension is automatically adjusted.

×

Select CHECK WINDOW, and specify a window, which you want to check, in the plan and measure the dimensions and select the opening direction.

Check Wind	ow Measurement	×
General Details Ca	sements Sill	
✓ Measure details		
Clear inner width:	0	
Profile extension:	0	
Window aperture depth:	0	
Window bottom edge:	0	
Frame - Bottom edge:	0	
ОК	Cancel Se	ettings

You can also define the window casement under the Casements tab.

Info: currently you can only choose between one and two casements.

Casement width: 600	Check Window Measurement ×
Casement height: 1250	General Details Casements Sill
Lower edge: 0	General     Details     Casements     Sill       ✓     Has sill     Measurements       Thickness:     0       Protrusion left:     0       right:     0       front:     0
If needed you can also add sill details under the Sill tab by ticking the box.	OK Cancel Settings
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Measurements		
Casement: 1	*	
Casement width:	600	
Casement height:	1250	
Lower edge:	0	
Hinge:	Right	*
Hinge distance:	50	

Check Window Measurement

旧

#### **10. Radiator**



With SiteMaster Kitchen you can also measure radiators and transfer them to CARAT.



When you select Radiator you need to specify the wall where you would like to insert a radiator. First measure the offset d1 from the corner to the radiator and press next. Now measure the width, depth, top height, bottom height and distance to the wall.

If you want to specify details of the radiator valve active the tab by ticking the box Radiator with valve. With the pull-downs or manual keyboard input you can set the properties of the valve.

	General	Valve		
	Width	160	0 🗸	₩
	Depth	100	~	
	Top height	500	~	
	Bottom heigh	nt O	~	
	Distance to v	wall 60	¥	
	Comment		<b>v</b>	
	OK	Ca	ancel	Settings
le	A.	Rad	iator	×
	-	11010	iuroi	
		Valve	lator	
		Valve		
	General	Valve with valve		nt 🗸
	General	Valve with valve	e	
	General Radiator Valve positio	Valve with valve	e Top Righ	
	General Radiator Valve position Mount type	Valve with valve	e Top Righ Straight	~
	General Radiator Valve positio Mount type Orientation	Valve with valve	e Top Righ Straight Up	~
	General Radiator Valve position Mount type Orientation Valve length	Valve vith valve	e Top Righ Straight Up 80	~
	General Radiator Valve position Mount type Orientation Valve length Fitting length	Valve with valve n	e Top Righ Straight Up 80 30	~
	General Radiator Valve position Mount type Orientation Valve length Fitting length Valve diamet	Valve with valve n ter	e Top Righ Straight Up 80 30 60	>

To close the dialog box press ok and a



inserted. If there is more than one radiator you can press Next or Finish to finish the command.

radiator with a

tag is

Is the radiator in a niche, measure first the radiator and then the niche. Is the radiator in a niche, measure the distance from the rear wall and enter this value as a negative number in the input field a distance from the wall.

#### **11. Measuring an obstacle**



With SiteMaster kitchen you can measure and insert for example: permanently installed gas heaters, wall or pipe cladding, baseboards, ledges, built-in wardrobes, etc. as an obstacle and transfer it to CARAT.

You can insert and measure obstacles in both the plan view (A) and later in section wall views after wall have been processed (B).

A) Inserting and measuring an obstacle in plan view

When you select **INSERT OBSTACLE** you need to specify the wall where you would like to insert an obstacle. First measure the offset d1 from the corner to the obstacle and press next. Now measure the width, depth, top height, bottom height and distance to the wall.





If you do not want to insert more obstacles at this wall press Finish or Next to continue.



B) Inserting and measuring an obstacle in the section wall view (after Process walls)

Make sure you have the correct wall view in front of you where you want to insert an obstacle (see processing walls)

Select **INSERT OBSTACLE** and select one of the left or right bottom wall corners in the wall view from where you would like to measure the obstacle. Then measure the offset d1 from the corner to the obstacle and press next. Now measure the width, depth, top height, bottom height and distance to the wall. Press Ok and the obstacle will appear with dimensions.



In case the obstacle offset d1 is 0, you need to process the walls again to show the obstacle in adjacent walls.





Measuring installations, such as, electrical, plumbing or tiles are inserted in the wall displays, which correspond to the single-wall views. By clicking **PROCESS WALLS**, SiteMaster Kitchen automatically creates wall views with dimensions.

Depending on the number of walls, individual wall views are generated, which can be individually opened with the generated buttons. The views are numbered starting with 1 upwards. F represents the floor and C the ceiling.



With the first button 'zoom to floor plan' you get back to the original view. Selecting 1, 2, 3, etc. or F & C you see the individual view.

Inserting and measuring installations and tiles are being done within the wall views.





Measuring installations, such as, electrical, plumbing or tiles are inserted in the wall displays, which correspond to the single-wall views.

Make sure you have the correct wall view displaying in which you want to insert an installation.

Select **INSERT SYMBOL** and select one of the left or right bottom wall corners in the wall view from where you would like to measure the symbol.

1d	Symbol	Library		×
Recent Favourites Kitchenplanning Water Electrics Ventilation Other	Gas Gas Power cable	Cold water Light switch	Drain Drain Outlet box Warm water	
Add User Symbol		~	/ OK X Car	ncel

In the dialog box, select one symbol from the symbol library or from the pull-down categories: water, electrical, ventilation or other type of installation that you want to insert.

Now measure distance D1 and D2, from the <u>center</u> of the symbol to the wall and to the floor. Afterwards measure the width, height and depth of the installation. You can also choose to insert a tag or not. Press Ok and the symbol will appear with dimensions.

Some symbols have default values and if required you can measure and overwrite the dimensions.





The measurement of tiles is based on the same principle as the measurement of installation symbols.

Make sure you have the correct wall view displaying in which you want to insert the tiles.

Select **INSERT TILES** and select one of the left or right bottom wall corners in the wall view from where you would like to measure the symbol.



Now measure distance D1 and D2, from the center of the symbol to the wall and to the floor. Afterwards measure the width, height and depth of the tiles. Press Ok and the tiles will appear with dimensions.





You only need to change the floor level if there will be a deviation from the actual measured floor height to the floor height of the planned kitchen.

E.g.: you have measured all measurements from an unfinished floor, but know already the proposed finished floor height. In this case you can enter the height difference with this command and adjust all relevant heights in respect to the floor height.

Select **CHANGE FLOOR** Level and enter the difference between the actual measured floor level and the new reference level.

18	Floor Level	×				
Difference finished floor level FFL +/- 0						
-	s are recalculated related to new floor level. ant to change floor level?					
	OK Cancel					

Depending on the kitchen, you can specify a positive value when the new finished floor is above the measured level or a negative value if the new finished floor is below the measured level.

Example:

The proposed finished floor level is 40 mm higher than the current floor level. So type in the dialog box the difference finished floor level FFL+/- of 40. As a result, all height-related height dimensions are adjusted to the new height and actualized in the wall section views.

In addition, in all wall views you will see the text, Floor level now -40, i.e. the new floor level is 40mm above the floor level you measured to.

