

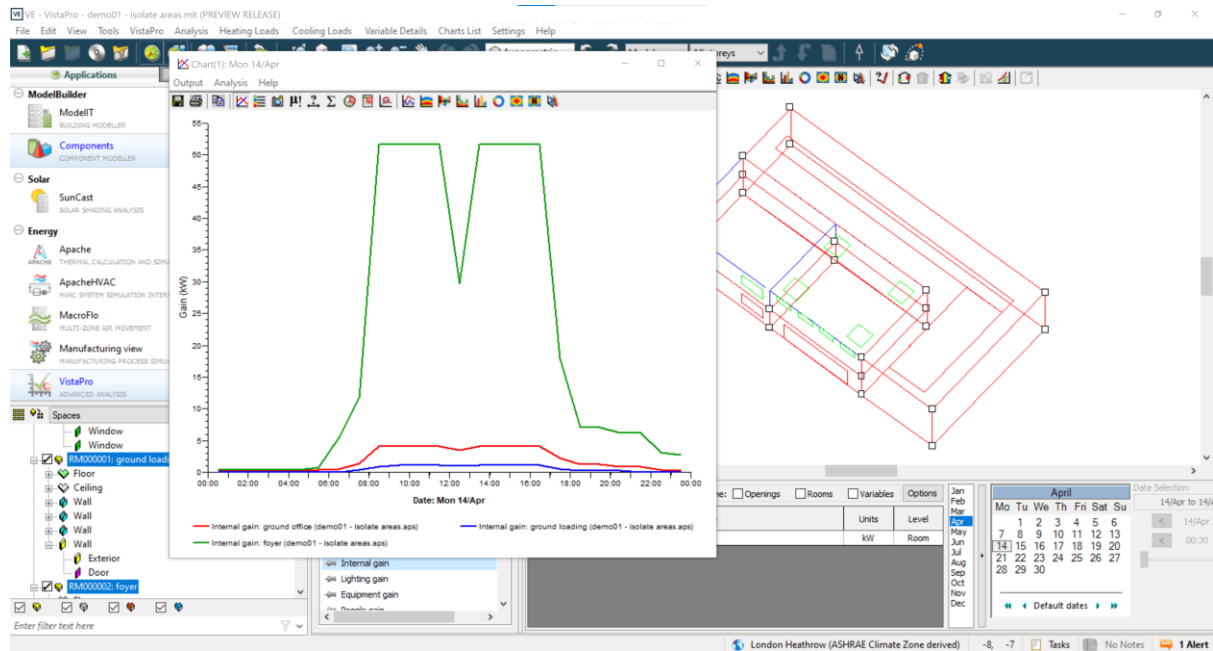


# How to isolate results for a set of spaces

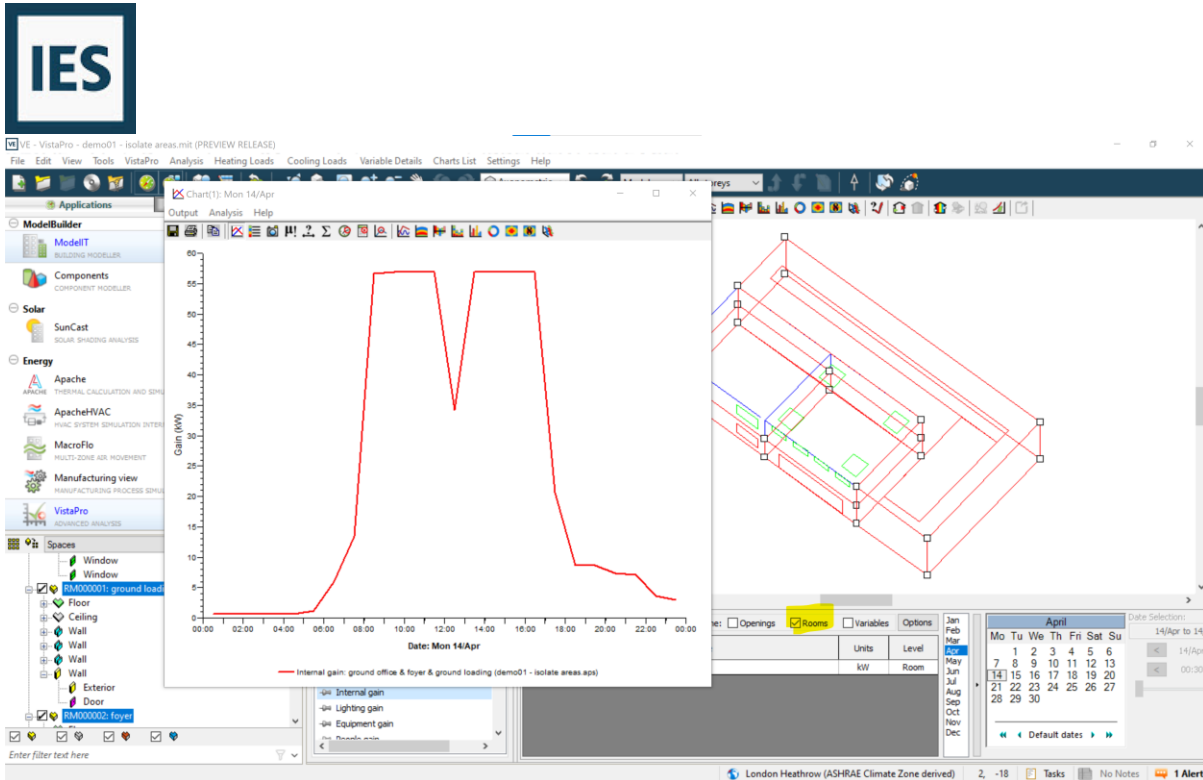
If you wish to isolate the results for a set of rooms after running a loads calculation or simulation then there are different ways to consider this.

The simplest option is to use Combine Rooms and simply select the rooms of interest then you can view all room variables as normal.

This is useful for example to view internal gains across the range, individual rooms may be seen:



And by using the Combine Rooms option these are summed together for the selected rooms:



This works for all rooms variables.

An advanced alternative is to use a dummy apache system and then view results at apache systems level. This gives the benefit of being able to see coincident peak load faced for a set of rooms or isolated area of the building.

In this example we are interested in the offices only so a suppicate of the heating system is generated and assigned to these rooms

Systems - Apache Systems

Is Default?	System Name	System ID	NCM Type	Is Proxy For Apache/HVAC System?*	Heating Fuel	Heat Pump?*	Seasonal Eff.	Delivery Eff.	SCoP kW/kW	Gen. Size kW	Vent Heat Recovery Eff.	Vent Heat Recover Air Temp °C
<input type="checkbox"/>	Main system	SYST0000	Not set	<input type="checkbox"/>	Natural Gas: Meter 1	<input type="checkbox"/>	0.8900	0.8989	0.8000	0.00	0.0000	21.00
<input type="checkbox"/>	ASHRAE DHW Baseline Prototype System	SYST0001	Not set	<input type="checkbox"/>	Natural Gas: Meter 1	<input type="checkbox"/>	1.0000	1.0000	1.0000	0.00	0.0000	21.00
<input checked="" type="checkbox"/>	heating radiators	SYST0002	Central heati...	<input checked="" type="checkbox"/>	Natural Gas: Meter 1	<input checked="" type="checkbox"/>	0.8100	0.8923	0.7228	0.00	0.0000	21.00
<input type="checkbox"/>	hot water	SYST0003	Central heati...	<input type="checkbox"/>	Natural Gas: Meter 1	<input type="checkbox"/>	0.7600	0.8923	0.6782	0.00	0.0000	21.00
<input type="checkbox"/>	ASHRAE Baseline Prototype System	SYST0004	Not set	<input type="checkbox"/>	Natural Gas: Meter 1	<input type="checkbox"/>	1.0000	1.0000	1.0000	0.00	0.0000	21.00
<input checked="" type="checkbox"/>	heating radiators (Copy) - offices	SYST0005	Central heati...	<input checked="" type="checkbox"/>	Natural Gas: Meter 1	<input checked="" type="checkbox"/>	0.8100	0.8923	0.7228	0.00	0.0000	21.00

6 systems      No filters active

\* - Applies to UK NCM only



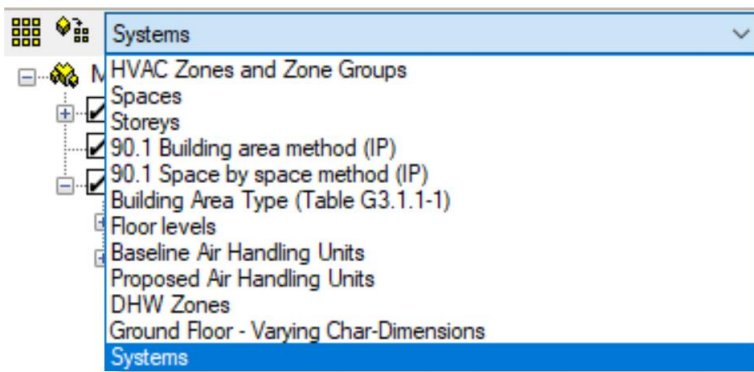
Tabular Space Data - Space Data

The Real Building is currently active.

Space ID	Space Name	HVAC Methodology	System	Aux. Vert System	DHW System	Hei
<input type="checkbox"/> RM000000	ground office	ApSys	heating radiators (Copy) - offices	heating radiators (Copy) - offices	hot water	
<input checked="" type="checkbox"/> GR000000	first office	ApSys	heating radiators (Copy) - offices	heating radiators (Copy) - offices	hot water	
<input type="checkbox"/> RM000001	ground loading	ApSys	heating radiators	heating radiators	hot water	
<input type="checkbox"/> RM000002	foyer	ApSys	heating radiators	heating radiators	hot water	
<input type="checkbox"/> GR000001	first store	ApSys	heating radiators	heating radiators	hot water	

This system is a copy of the same one serving rest of the areas so energy performance results and thermal profile of the building is unchanged by making this edit.

In VistaPro we can view system level results by selecting eh apache systems from the room groups dropdown on the model browser



When the system is chosen the system variables are automatically selected and these often have equivalents of room variables particularly useful to see peak loads on heating and cooling sources serving the spaces. Now instead of the sum of the loads for each room the coincident load is being displayed, synopsis or peak day tools can then be used to find when systems are loaded.

