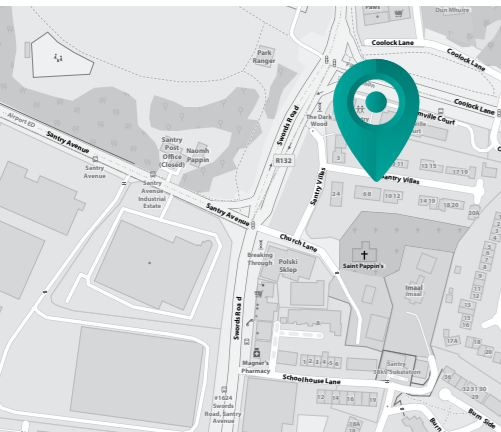


Case Study 1



Case Study 1

	Input			Output		
	Electrical Input	Heating Electric Victorium Input	Dhw Electric Victorium Input	Heat Load	DHW Load	Total Load
	kW/hrs			kW/hrs		
Jan	137.82	98.54	116.32	374.41	387.43	761.84
Feb	113.76	81.88	105.29	309.95	349.94	659.89
Mar	80.61	59.60	114.37	228.91	387.43	616.35
Apr	60.01	31.17	108.96	119.20	374.94	494.14
May	13.17	5.68	109.38	22.31	387.43	409.74
Jun	0.89	1.35	102.80	5.58	374.94	380.52
Jul	0.95	1.40	104.02	5.87	387.43	393.31
Aug	0.98	1.43	104.04	6.01	387.43	393.45
Sep	4.63	2.59	103.15	10.23	374.94	385.17
Oct	45.41	24.69	109.87	97.59	387.43	485.02
Nov	92.24	65.21	109.97	252.56	374.94	627.50
Dec	127.97	90.61	115.11	347.24	387.43	734.68
Grand Total	678.43	464.15	1303.29	1779.86	4561.73	6341.59

Project Details	
Location	Dublin 9, D09 CXKO
Project Size	110
Apartment Size	82m ²
No. of Wetrooms	K +3
Installed Plant	HXVC-PP-001 - Victorium & 200l 2z Pp Kit

Fabric Details	
Floor U-value (W/m ² K)	NA (Mid Floor)
Roof U-value (W/m ² K)	NA (Mid Floor)
Wall U-value (W/m ² K)	0.18
Window U-value (W/m ² K)	1.29
Window G-value	0.49
Thermal Bridging (W/m ² K)	0.08
Air Permeability (m ³ /hr/m ²)	3

Calculated Results	
Total SCOP	2.592
Average Daily DHW usage	194.3L

Summary of Analysis	
DHW Annual Load	4,561.73 kWh
Heating Annual Load	1,779.86 kWh

