An opportunity to optimise your Logistics & Warehousing Operations

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The Clearworld Team has worked with many regional and national Warehousing and Distribution networks supplying both Grocery Retail and General Logistics services. These are often running 24/7 and we look to reduce operating costs and carbon footprint across the service storage and logistics elements with minimal to zero change in operational activities.

MAKING NET ZERO HAPPEN

The UK Government has set a target of net zero emissions by 2050.

We specify and install tailored sustainability solutions throughout the supply chain, following a proven four-step process.

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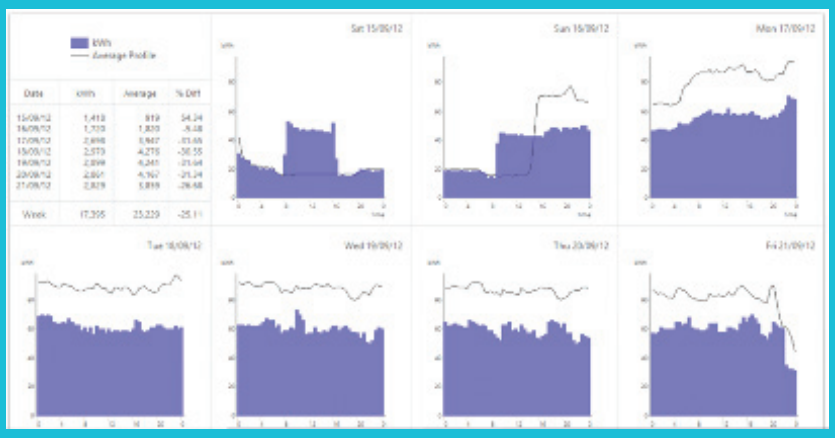
Warehousing/ Wholesale Distribution Centres



The adjacent data shows a substantial **25%** reduction in electricity usage across 2 different sites.

These sites alone added up to a saving of

100 tonnes

of CO_2

which is equivalent to driving the average passenger vehicle

248,139 miles

It would take approximately

131 acres of forests to absorb this amount of carbon

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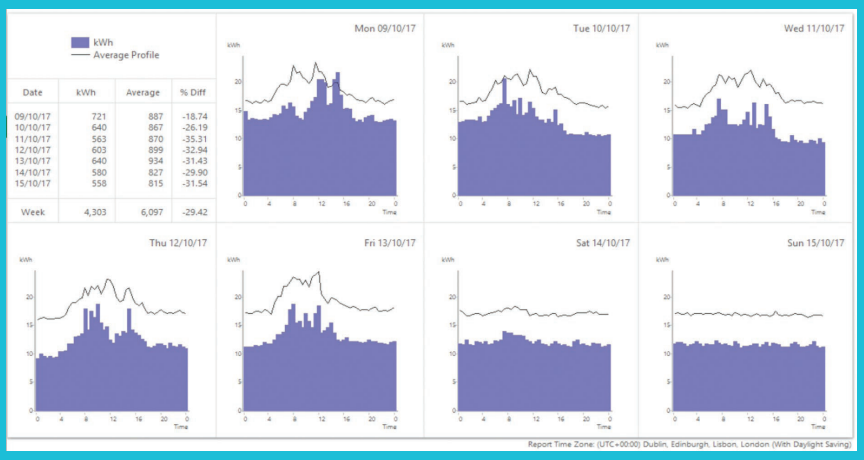
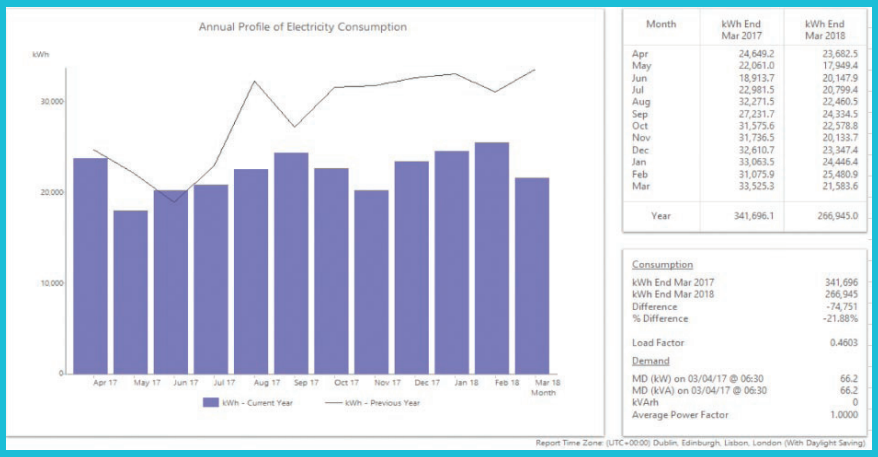
Local distribution depot showing savings post project install



Date	kWh	Average	% Diff
09/10/17	721	887	-18.74
10/10/17	640	867	-26.19
11/10/17	563	870	-35.31
12/10/17	603	899	-32.94
13/10/17	640	934	-31.43
14/10/17	580	827	-29.90
15/10/17	558	815	-31.54
Week	4,303	6,097	-29.42

Report Time Zone: (UTC+00:00) Dublin, Edinburgh, Lisbon, London (With Daylight Saving)

The adjacent Data shows a **29%** week on week savings post project install at a local distribution depot.



Month	kWh End Mar 2017	kWh End Mar 2018
Apr	24,649.2	23,682.5
May	22,061.0	17,949.4
Jun	18,913.7	20,147.9
Jul	22,981.5	20,799.4
Aug	32,271.5	22,460.5
Sep	27,231.7	24,334.5
Oct	31,575.6	22,578.8
Nov	31,736.5	20,133.7
Dec	32,610.7	23,347.4
Jan	33,063.5	24,446.4
Feb	31,075.9	25,480.9
Mar	33,525.3	21,583.6
Year	341,696.1	266,945.0

Consumption	
kWh End Mar 2017	341,696
kWh End Mar 2018	266,945
Difference	-74,751
% Difference	-21.88%
Load Factor	0.4603
Demand	
MD (kW) on 03/04/17 @ 06:30	66.2
MD (kVA) on 03/04/17 @ 06:30	66.2
kVArh	0
Average Power Factor	1.0000

Report Time Zone: (UTC+00:00) Dublin, Edinburgh, Lisbon, London (With Daylight Saving)

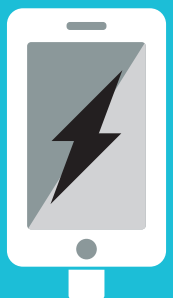
This is a Saving of

172 tonnes

of CO_2

which is equivalent to charging your smartphone

21,935,542 times



To sequester this amount of carbon you would need to plant

2,844 trees grown over 10 years

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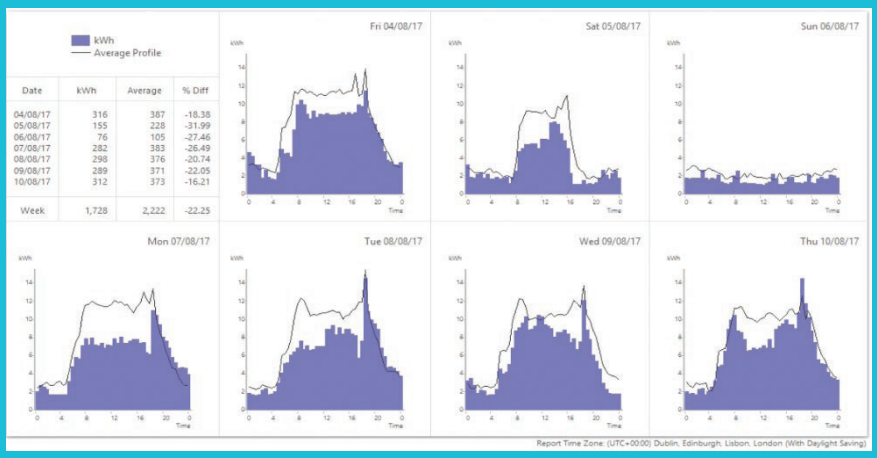
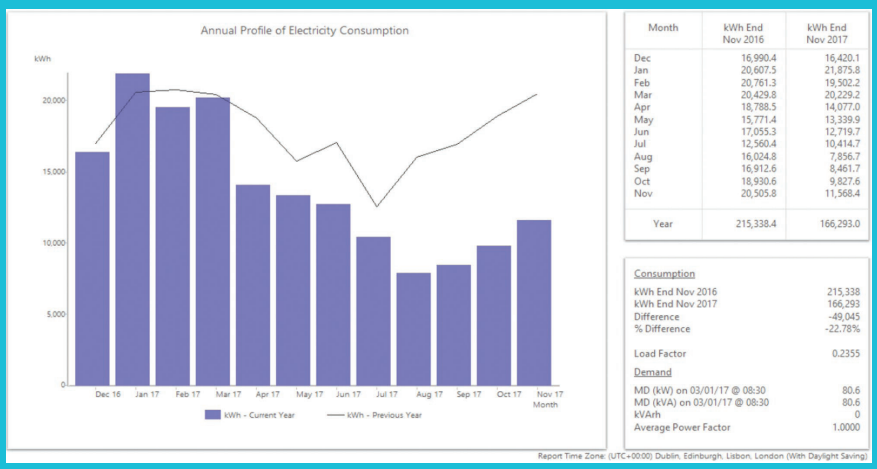
Regional DC for national dry good retailer



Date	kWh	Average	% Diff
04/08/17	316	387	-18.38
05/08/17	155	228	-31.99
06/08/17	76	105	-27.46
07/08/17	282	383	-26.49
08/08/17	298	376	-20.74
09/08/17	289	371	-22.05
10/08/17	312	373	-16.21
Week	1,728	2,222	-22.25

By adopting the suggested strategy these sites saw a large reduction in electricity usage.



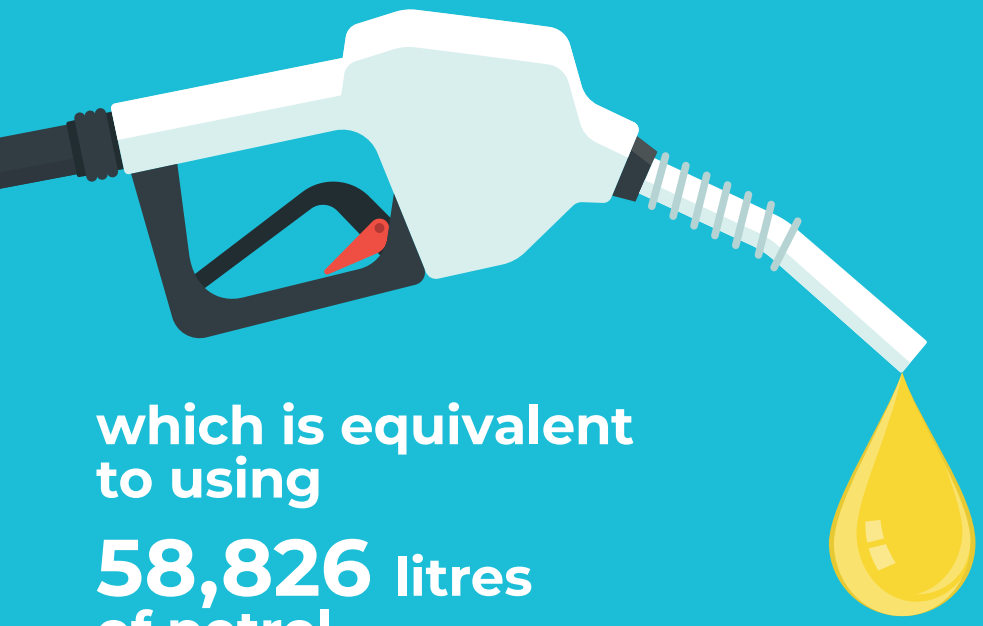
Month	kWh End Nov 2016	kWh End Nov 2017
Dec	16,990.4	16,420.1
Jan	20,607.5	21,875.8
Feb	20,761.3	19,502.2
Mar	20,429.8	20,229.2
Apr	18,788.5	14,077.0
May	15,771.4	13,339.9
Jun	17,055.3	12,719.7
Jul	12,560.4	10,414.7
Aug	16,024.8	7,856.7
Sep	16,912.6	8,461.7
Oct	18,930.6	9,827.6
Nov	20,505.8	11,568.4
Year	215,338.4	166,293.0

Consumption	
kWh End Nov 2016	215,338
kWh End Nov 2017	166,293
Difference	-49,045
% Difference	-22.78%
Load Factor	0.2355
Demand	
MD (kW) on 03/01/17 @ 08:30	80.6
MD (kVA) on 03/01/17 @ 08:30	80.6
kVArh	0
Average Power Factor	1.0000

This is a Saving of

115 tonnes

of CO_2



which is equivalent to using

58,826 litres of petrol

To sequester this amount of carbon you would need to plant

1,902 trees grown over 10 years

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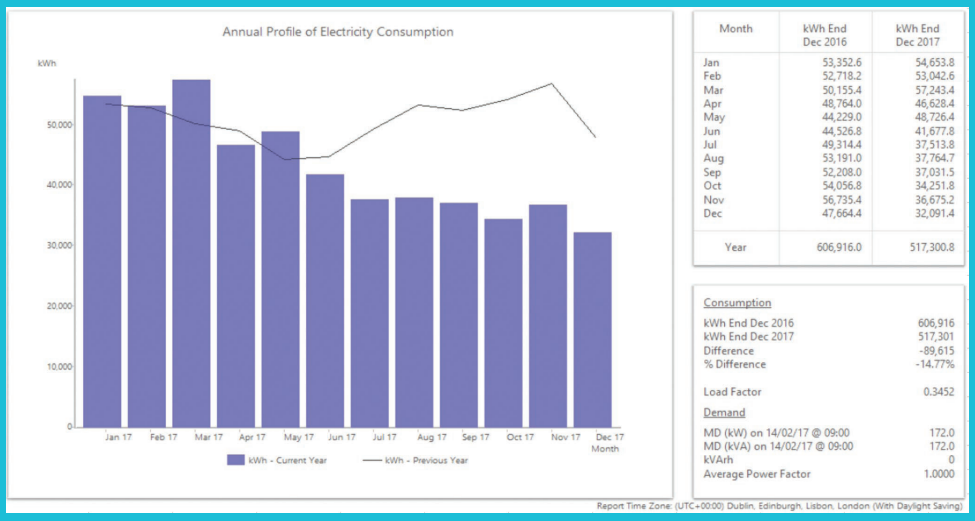
UK Operating HQ for a National Retail Operation with over 1200 outlets



Month	kWh End Dec 2016	kWh End Dec 2017
Jan	53,352.6	54,653.8
Feb	52,718.2	53,042.6
Mar	50,155.4	57,243.4
Apr	48,764.0	46,628.4
May	44,229.0	48,726.4
Jun	44,526.8	41,677.8
Jul	49,314.4	37,513.8
Aug	53,191.0	37,764.7
Sep	52,208.0	37,031.5
Oct	54,056.8	34,251.8
Nov	56,735.4	36,675.2
Dec	47,664.4	32,091.4
Year	606,916.0	517,300.8

Consumption	
kWh End Dec 2016	606,916
kWh End Dec 2017	517,301
Difference	-89,615
% Difference	-14.77%
Load Factor	0.3452
Demand	
MD (kW) on 14/02/17 @ 09:00	172.0
MD (kVA) on 14/02/17 @ 09:00	172.0
kVArh	0
Average Power Factor	1.0000

Report Time Zone: (UTC+00:00) Dublin, Edinburgh, Lisbon, London (With Daylight Saving)

The following data shows a significant reduction in average electricity usage across a yearly period.

This is a Saving of

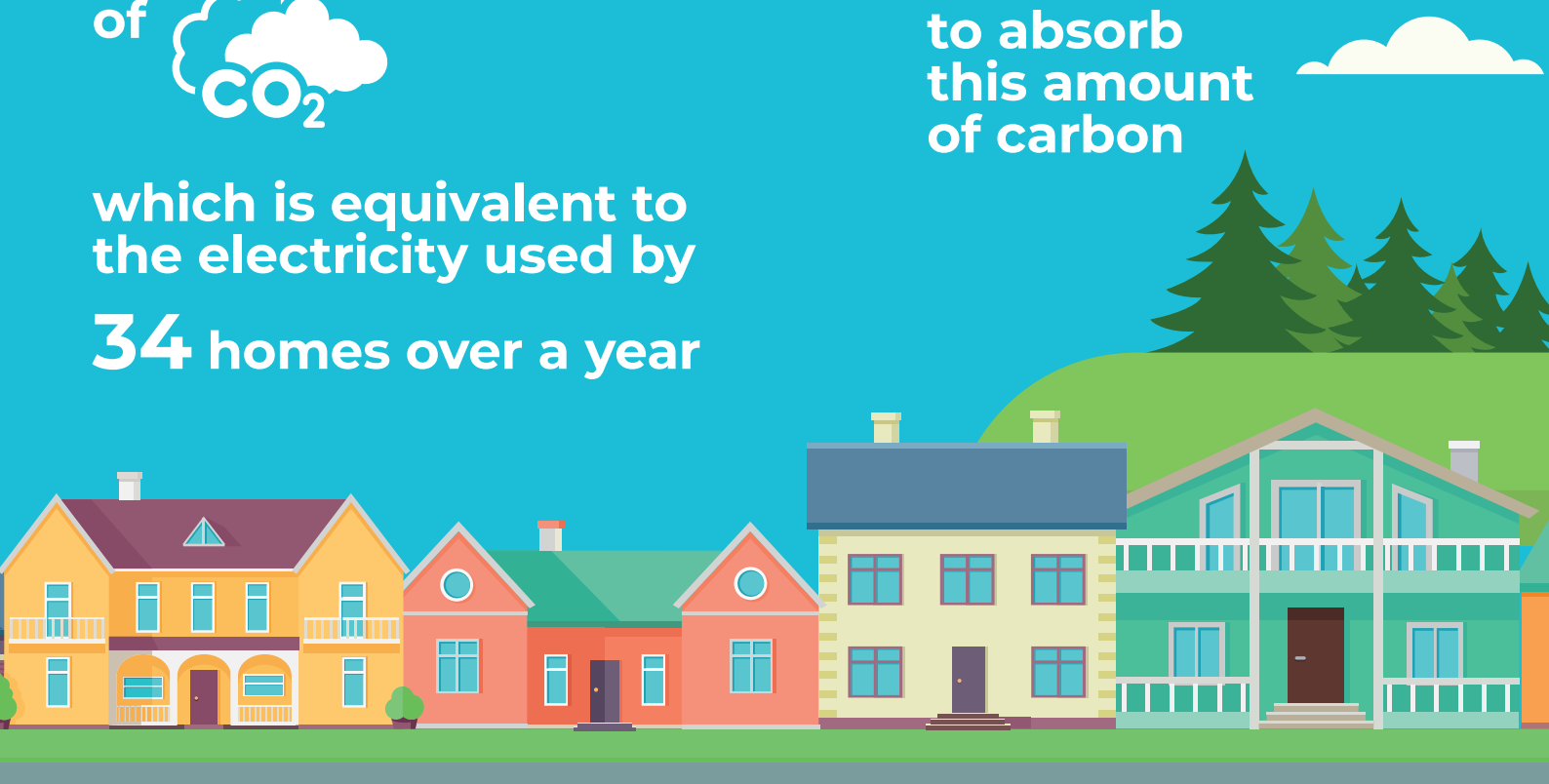
206 tonnes of CO_2

which is equivalent to the electricity used by

34 homes over a year

It would take approximately

269 acres of forests to absorb this amount of carbon



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