



SCORCHTM
TECHNOLOGY

ENERGY METERING, MONITORING AND REPORTING (ENERGY EFFICIENCY DISCIPLINES)

Our Energy Metering, Monitoring and Reporting service is an all-encompassing energy management, energy optimisation and energy efficiency offering.

- ✓ The collection of energy usage/consumption data is the initial scope of work.
 - We install energy metering devices, selected to suit the site, to collect the data.
 - These devices are typically left installed over extended periods (days/weeks/months) in order to collect and capture all energy input and output data.
 - Existing and/or previous plant records are also extracted and retrieved.
 - The information types explored in this data-set vary from; equipment data, meter data, production/consumption data and performance data.
 - Raw data measurements are taken on an on-going basis throughout the energy management process. This data-set forms an integral part of all operation and maintenance (O&M) key performance indicators (KPI's).
 - Plant KPI's are a quantitative indicator that directly reflects the performance of the set plant.





Energy Metering, Monitoring and Reporting (Energy Efficiency Disciplines)

- ✓ Energy audits are presented as a comprehensive multi-media report.
 - An energy audit report offers an in-depth quantitative analysis that aims to produce qualitative outcomes and deliverables.
 - Energy audit findings will verify or vilify whether the plant installer/EPC has met the projected plant KPI's and planned performance.
 - The report will then direct and inform the EPC, O&M service providers and various other stakeholders (i.e.: asset owner/client) on the plant performance, operation and maintenance shortfalls occur in order for the correct interventions to be applied in achieving optimal energy efficiency.
 - Energy usage/consumption management would be an intervention.

Follow the link below to view our this service offering client referral letter:

https://drive.google.com/file/d/1K-fShCr0cF4tScdPizX-ovkINFuZRajF/view?usp=drive_link

#	DATE	CONSUMPTION	NOTES
	DD/MM/YYYY	kWh	"DATA HIGHLIGHTS"
1	08/12/2022	26.1	Minimum Consumption
2	09/12/2022	37.42	Maximum Consumption
3	10/12/2022	34.5	
4	11/12/2022	35.57	
5	12/12/2022	15.86	Date of data capture. Data was not captured throughout the day. Therefore this value would be considered an outlier.

ALL STATISTICS ARE BASED OFF THE VALUES EXCLUDING THE OUTLIER.
A 4 DAY CYCLE FROM 08 DEC 2022 TO 11 DEC 2022 IS ANALYSED BELOW

STATISTICS			
#	TYPE	VALUE	DESCRIPTION
		kWh	
1	MEDIAN	35.035	The middle value of all the recorded consumption values in the data set.
2	AVERAGE	33.40	The average daily consumption for this period.
3	MODE	35	On 2 out of 4 days the daily consumption is approximately 35 kWh.
4	MAXIMUM	37.42	The maximum daily consumption for the week is 4.02 kWh higher than the average for the week.
5	RANGE	11.32	The difference between the minimum consumption and the maximum consumption.

