

Global Green Gem
Lift Energy Recovery Solution
Result Readings Taken from
High Rise Council Tower Block

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Measurements Taken From Lifts In The Same High Rise Council Tower Block

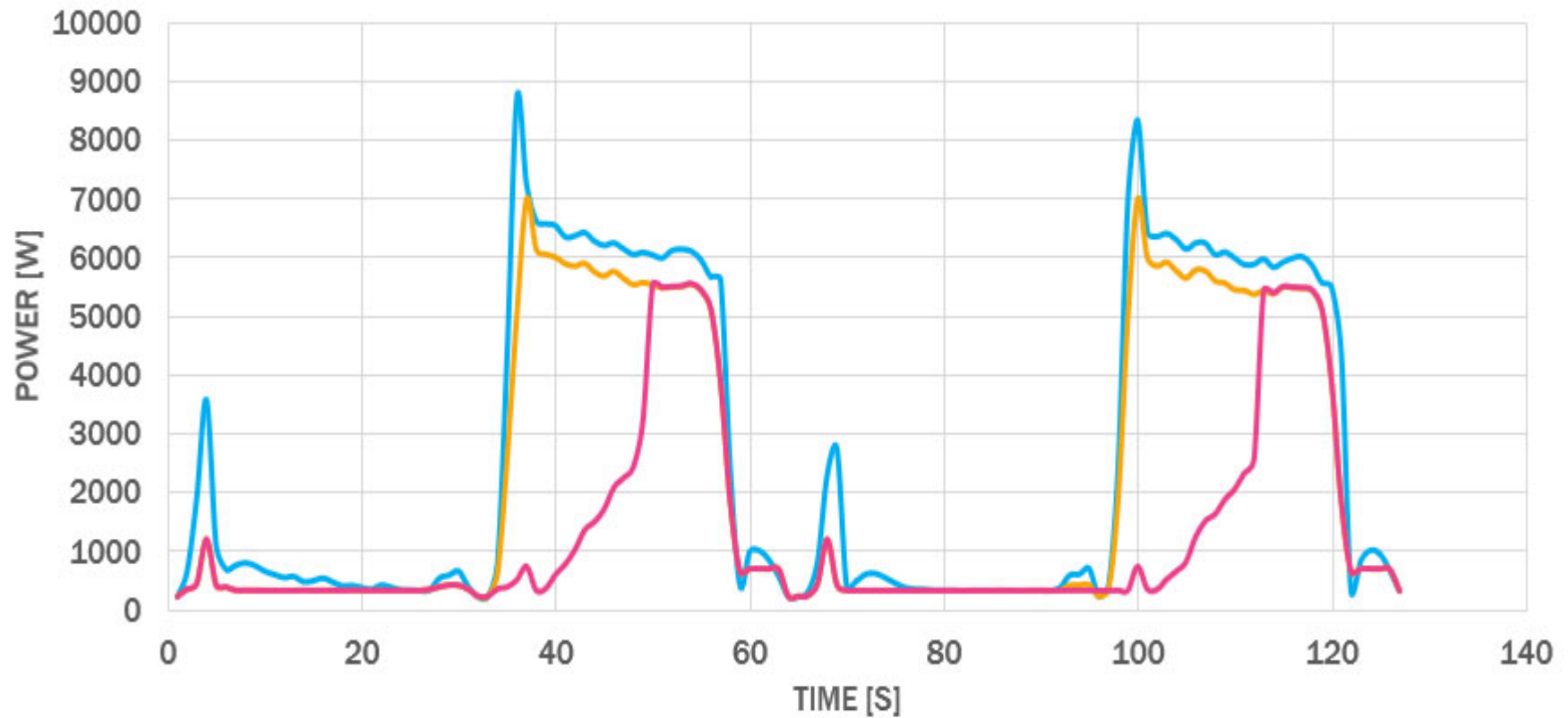
3 Different Sets Taken:

- 10 Trips with Geared Motor - Empty car
- 10 Trips without Green Gem - Empty car
- 10 Trips with Green Gem - Empty car

Nº	Maximum load [Kg]	Capacity	Number of stops	Speed [m/s]	M	Notes
340	600	8	9	1	27	Geared Omron Machine
340	600	8	9	1	27	Gearless Machine
340	600	8	9	1	27	Gearless + Green Gem

Results

- Geared Machine
- Gearless Machine: 15.35% Savings
- Gearless Machine with Green Gem: 45.83% Savings (**54.15% overall**)



Conclusion

	Data
Energy consumed – 10 trips Geared	467 Wh
Energy consumed – 10 trips Gearless	396 Wh
Energy consumed – 10 trips Gearless and Green Gem	214 Wh
Total Energy Savings achieved with Green Gem Installed	54.15%

Installation Of The Green Gem Energy Recovery System

- Simple installation.
- Our system saves practically all the energy that normally goes to the braking resistor.
- The saved energy depends directly on the mechanical efficiency of the lift.

