

25 August 2023

Attn : Mr Damien Cheong  
**Co.Efficient Alpha Pte Ltd**  
 (UEN 202225166K)  
 68 Circular Road  
 #02-01 Singapore 049422

Dear Damien

**Re : Testing of ECOD Voltage Optimizer**

Co.Efficient Alpha installed a Voltage Optimizer, model ECOD-ML-110-160, on 31 May 2023 at Breadtalk's Central Cake-Making Kitchen at Level 5, 30 Tai Seng Street, for the purpose of verifying the energy-savings functionality and suitability for our operations.

The tests were conducted over a week with the following results observed –

**Without Optimizer**

I1	I2	I3	V1	V2	V3
33A	26A	27A	240V	241V	242V

P1	P2	P3
7.92kW	6.27kW	6.53kW

Total Power Consumption : 20.72kW

**With Optimizer**

I1	I2	I3	V1	V2	V3
31A	23A	26A	225	226V	228V

P1	P2	P3
6.98kW	5.20kW	5.93kW

Total Power Consumption : 18.10kW

There was a **reduction of 12.64% in power consumption**, which exceeded our agreed test criteria of a minimum of 8% reduction. The voltage optimizer ran smoothly without disruption to our operations.

We are delighted with the performance of the ECOD voltage optimizer and will recommend Damien/Co.Efficient Alpha and the product for energy-savings and sustainability purposes.

Yours sincerely




**Tiong Chee Sheng**  
 Engineering Manager