



# CASE STUDY



**Domino's®**

**MALAYSIA**

## Electrical Consumptions Optimizations Device (ECOD)

### Saving

#### Breakdown & Repair Cost ( Jan 2020 – Oct 2020 )

Store	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Total	cost
BBT	1			2		1			1			5	RM2,910.00
BKK			1				1			1		3	RM2,900.00
BPH		1			1		1		1			4	RM3,630.00
BKJ	1		1			1				1		4	RM2,910.00
BKW	1		1		1			1				4	RM3,250.00
BB1		2			1			1				4	RM4,200.00
B13				2			1			1		4	RM3,300.00
BRG	2				1				1			4	RM3,300.00
BU1		1				1				1		3	RM2,500.00
BJE	2		1					1				4	RM4,500.00
BSA			2			1				1		4	RM3,500.00
BBE		1			2			2				5	RM1,500.00
BSP	1			1			1		1			4	RM3,600.00
BSY		2			1			1		1		5	RM3,300.00
BRM	2			1			1		1			5	RM3,200.00

Item	Qty	Contractor (Est Cost )
Repair and replace part	1	RM1500

- ☐ If we still maintain and do not take any action , the cost for repairing keep increasing every year
- ☐ Sale value will be decrease
- ☐ West stage of recourses
- ☐ High repair and maintenance cost of the existing equipment
- ☐ Impair competition



## ENGINEERING PROJECT 2

### ECOD (ELECTRICAL CONSUMPTION OPTIMIZATION DEVICE)

#### STORES ELECTRICAL OVERLOADED (TRIPPED) DATA – BEFORE INSTALLATION

Store	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Cost R&M
BSL		1				1			1	NIL	NIL	RM3600
WP1	1			1						NIL	NIL	RM2400
WCY			1		1		1			NIL	NIL	RM3600
WJJ	2			1						NIL	NIL	RM3600
BPA	1			1			1			NIL	NIL	RM3600
B14	2			1				1	3	NIL	NIL	RM8400

#### ECOD INSTALLED

Store	Account No	Date Completed	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
BSL	220289415702	14-Oct-20	5808.3 11,250 kWh	5910.65 11,628 kWh	5782.95 11,379 kWh	5303.1 10,337 kWh	5982.00 11,589 kWh	5146.26 10,111 kWh
WP1	220062191800	14-Oct-20	5872.9 11,266 kWh	5944 11,689 kWh	5,647.75 11,135 kWh	5707.1 11,200 kWh	5,514.25 10,673 kWh	5,364.85 10,403 kWh
WCY	220152445210	14-Oct-20	6601.75 12,248 kWh	6919.8 13,012 kWh	7036.15 13,246 kWh	6307.1 12,289 kWh	5257.8 10,187 kWh	
WJJ	220072357509	15-Oct-20	7059.95 13,859 kWh	7064.85 13,859 kWh	2,973.55 -	6689.5 12,998 kWh	6,706.80 12,998 kWh	
BPA	210039254807	19-Oct-20	6439.15 12,649 kWh	5994.9 11,789 kWh	6029.2 11,820 kWh	6066.9 11,791 kWh	5,560.55 10,770 kWh	
B14	220285238109	19-Oct-20	2,595.40	4,064.95	4,044.35	4,066.95	4,128.84	

#### BENEFITS

- ENERGY SAVING 8%-11% AS BEEN TESTED IN SG STORES
- STABILISATION OF AMPERE (CURRENT) AND VOLTAGE – EQUIPMENT LIFESPAN WILL BE EXTENDED
- DISTRUPTION OF ELECTRICAL SUPPLY OVERLOADED (TRIPPED) WILL BE HIGHLY REDUCED – SAVING ON R&M AND IMPROVE STORES SALES (STORE STOP ORDER)



Service/goods	Object	Service/goods	Object
1 Smart-Optimizer ECOD ES-55-100	MY21000509 (BPH)	21 Smart-Optimizer ECOD ES-55-100	MY21000529 (BRG)
2 Smart-Optimizer ECOD ES-55-100	MY21000510 (WAD)	22 Smart-Optimizer ECOD ES-55-100	MY21000530 (BU1)
3 Smart-Optimizer ECOD ES-55-100	MY21000511 (BUB)	23 Smart-Optimizer ECOD ES-55-100	MY21000531 (BJE)
4 Smart-Optimizer ECOD ES-55-100	MY21000512 (BTK)	24 Smart-Optimizer ECOD ES-55-100	MY21000532 (BSA)
5 Smart-Optimizer ECOD ES-55-100	MY21000513 (BTA)	25 Smart-Optimizer ECOD ES-55-100	MY21000533 (BBE)
6 Smart-Optimizer ECOD ES-55-100	MY21000514 (BSR)	26 Smart-Optimizer ECOD ES-55-100	MY21000534 (BSP)
7 Smart-Optimizer ECOD ES-55-100	MY21000515 (WSD)	27 Smart-Optimizer ECOD ES-55-100	MY21000535 (BBT)
8 Smart-Optimizer ECOD ES-55-100	MY21000516 (WTS)	28 Smart-Optimizer ECOD ES-55-100	MY21000536 (BRM)
9 Smart-Optimizer ECOD ES-55-100	MY21000517 (WTM)	29 Smart-Optimizer ECOD ES-55-100	MY21000537 (BBS)
10 Smart-Optimizer ECOD ES-55-100	MY21000518 (WSG)	30 Smart-Optimizer ECOD ES-55-100	MY21000571 (BKY)
11 Smart-Optimizer ECOD ES-55-100	MY21000519 (WML)	31 Smart-Optimizer ECOD ES-55-100	BSL
12 Smart-Optimizer ECOD ES-55-100	MY21000520 (WBS)	32 Smart-Optimizer ECOD ES-55-100	WCY
13 Smart-Optimizer ECOD ES-55-100	MY21000521 (BDJ)	33 Smart-Optimizer ECOD ES-55-100	WJJ
14 Smart-Optimizer ECOD ES-55-100	MY21000522 (BSW)	34 Smart-Optimizer ECOD ES-55-100	WP1
15 Smart-Optimizer ECOD ES-55-100	MY21000523 (WTC)	35 Smart-Optimizer ECOD ES-55-100	B14
16 Smart-Optimizer ECOD ES-55-100	MY21000524 (BKJ)	36 Smart-Optimizer ECOD ES-55-100	BPA
17 Smart-Optimizer ECOD ES-55-100	MY21000525 (BKK)	37 Smart-Optimizer ECOD ES-55-100	BSN
18 Smart-Optimizer ECOD ES-55-100	MY21000526 (BKW)	38 Smart-Optimizer ECOD ES-55-100	WDH
19 Smart-Optimizer ECOD ES-55-100	MY21000527 (BB1)	39 Smart-Optimizer ECOD ES-55-100	CIM
20 Smart-Optimizer ECOD ES-55-100	MY21000528 (B13)	40 Smart-Optimizer ECOD ES-55-100	WMM
21 Smart-Optimizer ECOD ES-55-100	MY21000529 (BRG)	41 Smart-Optimizer ECOD ES-55-100	BDP
22 Smart-Optimizer ECOD ES-55-100	MY21000530 (BU1)	42 Smart-Optimizer ECOD ES-55-100	BB2
23 Smart-Optimizer ECOD ES-55-100	MY21000531 (BJE)	43 Smart-Optimizer ECOD ES-55-100	BAB
24 Smart-Optimizer ECOD ES-55-100	MY21000532 (BSA)	44 Smart-Optimizer ECOD ES-55-100	BHL
25 Smart-Optimizer ECOD ES-55-100	MY21000533 (BBE)	45 Smart-Optimizer ECOD ES-55-100	BSY
26 Smart-Optimizer ECOD ES-55-100	MY21000534 (BSP)	46 Smart-Optimizer ECOD ES-55-100	BPK
27 Smart-Optimizer ECOD ES-55-100	MY21000535 (BBT)	46 Smart-Optimizer ECOD ES-55-100	BPK
28 Smart-Optimizer ECOD ES-55-100	MY21000536 (BRM)		
29 Smart-Optimizer ECOD ES-55-100	MY21000537 (BBS)		
30 Smart-Optimizer ECOD ES-55-100	MY21000571 (BKY)		
31 Smart-Optimizer ECOD ES-55-100	BSL		
32 Smart-Optimizer ECOD ES-55-100	WCY		
33 Smart-Optimizer ECOD ES-55-100	WJJ		
34 Smart-Optimizer ECOD ES-55-100	WP1		
35 Smart-Optimizer ECOD ES-55-100	B14		
36 Smart-Optimizer ECOD ES-55-100	BPA		
37 Smart-Optimizer ECOD ES-55-100	BSN		
38 Smart-Optimizer ECOD ES-55-100	WDH		
39 Smart-Optimizer ECOD ES-55-100	CIM		
40 Smart-Optimizer ECOD ES-55-100	WMM		













