

TYPHOON DRILL 2020

July - 11 - 2020



EMPRESA
ELÉCTRICA, LDA.
電力企業有限公司
Electrica Enterprise Company Limited

Truck repair team
Taipa & Coloane



CDIP fast repair
team Taipa



CDIP fast repair
team Coloane



Truck repair
team Macau



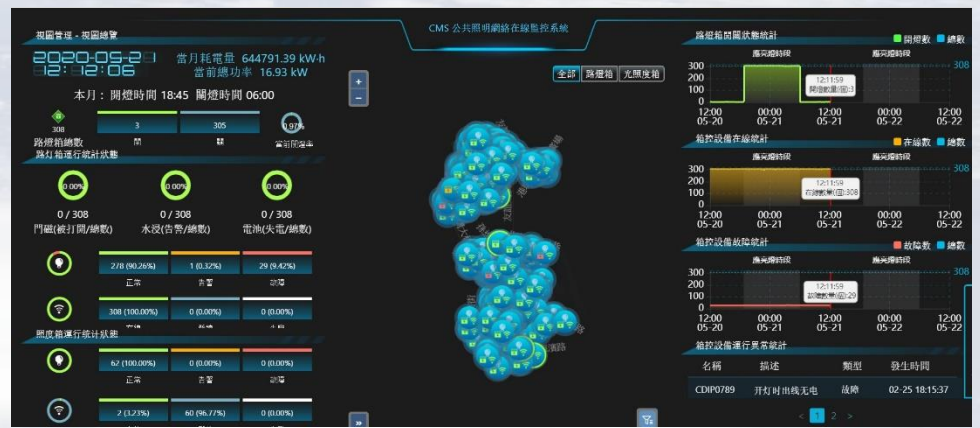
9:00AM E&E teams went to the designated assembly points – E&E warehouse Taipa, Macau tower and NAPE

Patrol team



CDIP fast repair
teams Macau





- Around 9.30 4 of the prioritized CDIP in Macau, 2 in Taipa and 1 in Coloane were open to simulate a fault.
- Once these CDIPs were opened, the new CEM software sent a fault information by e-mail.
- This fault e-mail was detected by E&E software and generate a Service order for the fast CDIP intervention teams.
- At same time patrollers went to other CDIPs of the prioritized list (3 CDIP in Macau, 1 in Taipa and 1 in Coloane)
- A list of 3 poles of each CDIP were opened by the patrollers to turn the MCB off simulating a fault. This fault was registered on the E&E software generating a service order.
- With the combination of the two pieces of software, the repair teams were provided with fast and efficient information.

Crisis Report

CDIP#	Address	Pole Type	Lantern	Power	Failure Code	Failure Detected by	Zone	Failure Date	Remark	Status	Team
169	德輔道中及聖若瑟大馬路	N/A	0	N/A	Fault	PoL	SA	2020-07-11	Door open	1- Done	Team2
191	海邊新街	N/A	0	N/A	Fault	PoL	1	2020-07-11	Door open	1- Done	Team2
21	聯澳街邊街	N/A	0	N/A	Damaged Box / 跌碎的盒子	holder	4	2020-07-11	Arriving at the place the door was open, it was closed now	1- Done	Team1
240	波蘭水馬路近東方酒店停車場	N/A	0	N/A	Fault	PoL	SA	2020-07-11		1- Done	Team1
240405	孫逸仙大馬路	P12M LED	1	174	Phase off / 燈管或開關	jeffrey	SA	2020-07-11		1- Done	Team7
240806	孫逸仙大馬路	P12M LED	1	174	Phase off / 燈管或開關	jeffrey	SA	2020-07-11		1- Done	Team7
240810	孫逸仙大馬路	P12M LED	1	174	Phase off / 燈管或開關	jeffrey	SA	2020-07-11		1- Done	Team7
242	東洲大馬路 賽馬場站(坐位箱中心)	N/A	0	N/A	Fault	PoL	4	2020-07-11		1- Done	Team1
242C11	沙梨洲北邊	P12M	1	120	Phase off / 燈管或開關	ryan	1	2020-07-11		1- Done	Team7
242D01	沙梨洲北邊	P12M	1	120	Phase off / 燈管或開關	ryan	1	2020-07-11		1- Done	Team7

Showing 1 to 10 of 25 entries

REPORT

▼ 【CEM】2台活跃设备事件通知
From: 【CEM】照明系统管理员
Date: 07/11/2020 (10:02:06 AM CST)
To: database@empresaelectrica.com.mo

Text (1 KB) 

1 路灯箱【CDIP0902】当前运行状态为[告警], 异常信息: 门磁状态变化
当前时间段内收到1条[门磁状态变化]事件记录:
告警出现 时间: 07-11 09:52:34
2 路灯箱【CDIP0728】当前运行状态为[告警], 异常信息: 门磁状态变化
当前时间段内收到1条[门磁状态变化]事件记录:
告警出现 时间: 07-11 09:56:54

▼ 【CEM】4台活跃设备事件通知
From: 【CEM】照明系统管理员
Date: 07/11/2020 (10:21:22 AM CST)
To: database@empresaelectrica.com.mo

Text (1 KB) 

1 路灯箱【CDIP0169】当前运行状态为[故障], 异常信息: 开灯时出线无电流 门磁状态变化
当前时间段内收到3条[门磁状态变化]事件记录:
告警出现 时间: 07-11 10:19:36
告警消失 时间: 07-11 10:17:01
告警出现 时间: 07-11 10:14:56
2 路灯箱【CDIP0728】当前运行状态为[正常]
当前时间段内收到3条[门磁状态变化]事件记录:
告警消失 时间: 07-11 10:20:42
告警出现 时间: 07-11 10:20:37
告警消失 时间: 07-11 10:19:49
3 路灯箱【CDIP0247】当前运行状态为[故障], 异常信息: 开灯时出线无电流
当前时间段内收到2条[门磁状态变化]事件记录:
告警消失 时间: 07-11 10:19:10
告警出现 时间: 07-11 10:19:06
4 路灯箱【CDIP0902】当前运行状态为[正常]
当前时间段内收到1条[门磁状态变化]事件记录:
告警消失 时间: 07-11 10:17:50



- Once the teams received the faults, they immediately went to the fault locations.





The drill produced the following relevant conclusions:

- The interconnection between the new CDIP fault detection and E&E software is trustable and efficient;
- Response time of the CDIP fast intervention and repair teams is quick;
- Patrolling teams are fast in covering the prioritized CDIP areas of all Macau, Taipa and Coloane;

In the event of a typhoon everything will be ready to respond quickly and effectively.