



Overcoming Hospital Power Distribution Key Challenges

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PT. Legrand Indonesia



FORUM PERUMAHSAKITAN 2022

Perencanaan dan Pengelolaan Sistem Kelistrikan Rumah Sakit



zoom

13.00 - 16.25 WIB
SABTU, 11 JUNI 2022

HEF 2022

ORGANIZED BY :





Wayan Mahendra Kurniawan

Current Designation : Marketing & UPS Division Manager

Education Background:

S1 Teknik Industri Universitas Mercu Buana

Master of Business Administration SBM ITB

EXIN EPI Certified Data Center Professional

Work Experience :

2011 – 2013 : QC Inspector & Technical Support – Trias (a brand of Legrand)

2013 – 2015 : QA / QC Assistant Manager – Trias (a brand of Legrand)

2015 – 2017 : Marketing Assistant Manager – Trias (a brand of Legrand)

2017 – now : Marketing Manager – PT Legrand Indonesia

CURRICULUM VITAE



OUTLINE

01 Introduction

02 Legrand UPS Range

03 Key Challenges

04 Conclusion

*“DOKUMEN INI ADALAH
MILIK PTPI, TIDAK
BOLEH DISEBARLUASKAN
ATAU DIUPLOAD SECARA
ONLINE”*

Legrand : A Global Player

LEGRAND
A GLOBAL
PLAYER

Establishments in
more than
90
countries

215,000 Products
distributed in almost
180
countries





Present
on all 5
continents

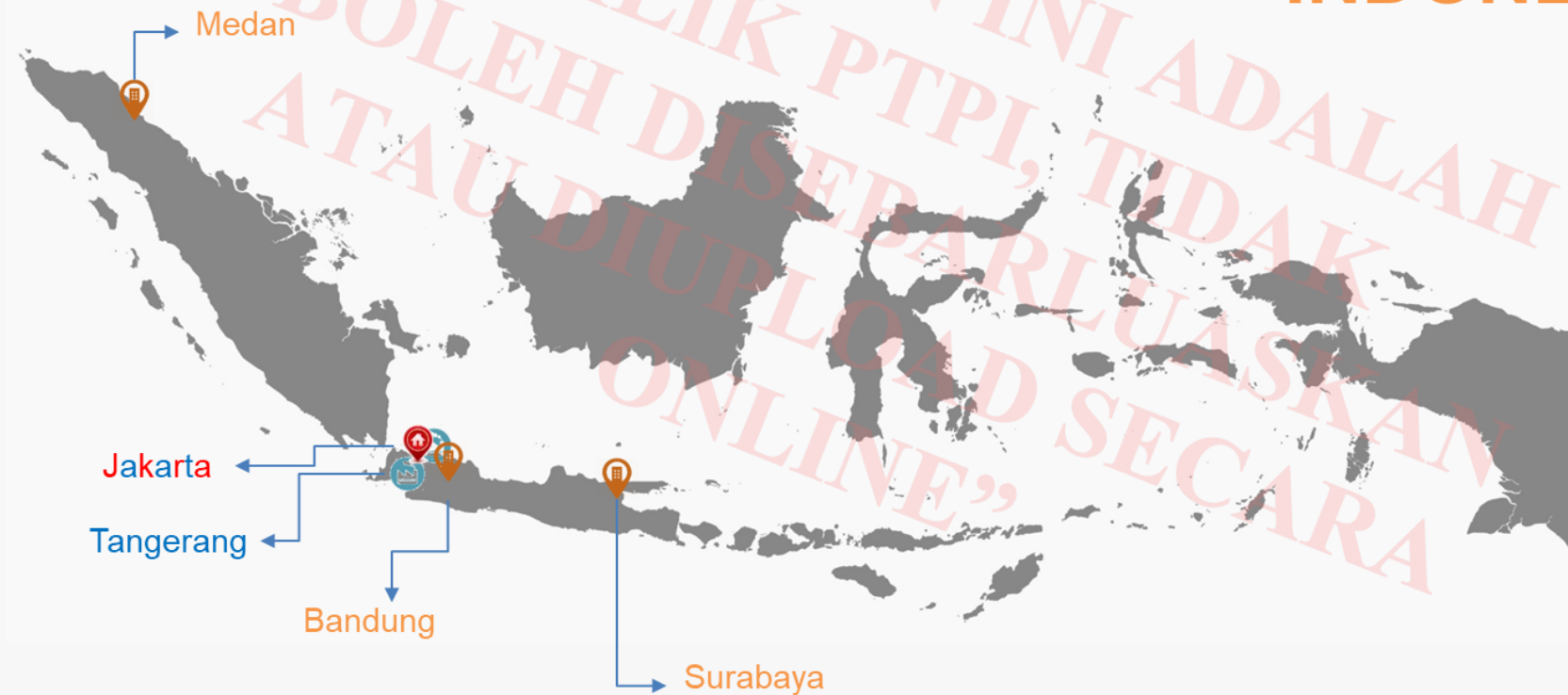
More than
36,700
employees

4 markets
commercial, residential,
industrial, data center

€6.1 billion
in sales
in 2020

OVERVIEW

	Factories	: 2
	Offices	: 3
	Head Quarter	: 1
	Staff	: 130+



OUR
PRESENCE
IN
INDONESIA

“DOKUMEN INI ADALAH MILIK PTPI, TIDAK BOLEH DISEPARLUKAN ATAU DIUPLOAD ONLINE” SECARA

Legrand UPS Solution

Megaline



Trimod HE



Keor Mod



Modular UPS

up to

Evolution UPS

600 VA

4.8 MVA



Keor
SPX



Daker
DK+



Keor LP



Keor S



Keor Compact



Keor T
Evo



Keor HPE
60-500



Keor HP
100-800



Single phase UPS

Three phase UPS

Hospital Power Distribution – 4 Key Challenges



EFFICIENCY

- Reduce the carbon footprint of a Data Center
- Improve Power Usage Effectiveness
- Reduce Power losses



AVAILABILITY

- 100% Business Continuity
- System Redundancy
- Guaranteed continuity of service



SCALABILITY

- Optimization based on current and future needs
- Future proof your installations
- Modularity for quick adaptation to changes



SECURITY

- Protect your equipment (including the data in it) against intrusion
- Safe operation and detection of internal/external environmental events (fire system --> e.g. GEM2, environmental sensors --> water leakage, flooding, overheating, vibrations, lighting, ...)

Improving Efficiency

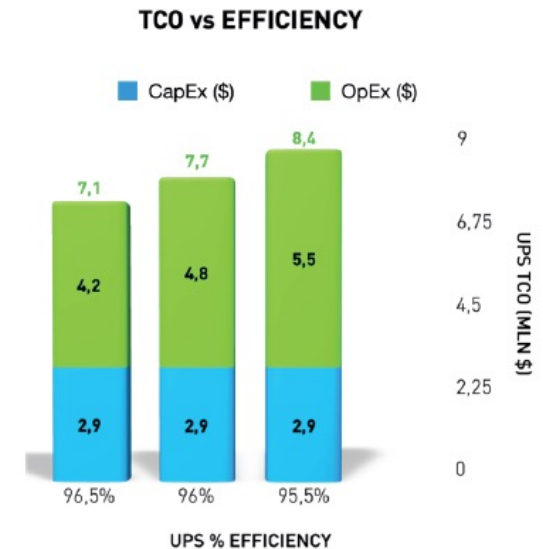
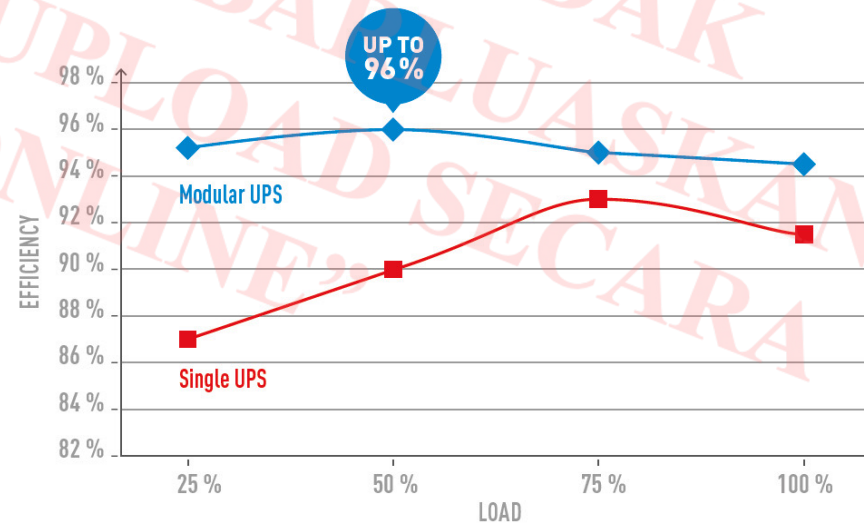
REDUCING CARBON FOOTPRINT AND OPERATIONAL COST

UPS systems with optimised energy efficiency, ensure the power demand is as close as possible to the actual requirements, and reduce power losses.

If the efficiency of the UPS is increased, it will give off less heat, which will reduce cooling and consumption losses.



Legrand offers UPS solutions that can achieve efficiency levels of up to 96% (EN 62040 – 3)



*) 10 years period on 10 MW Data Center

Supporting Availability

TO MAINTAIN A CONTINUOUS ELECTRICAL AND DIGITAL POWER SUPPLY TO INFRASTRUCTURES

Main availability challenges :

- To provide a clean power supply with no electrical disturbance (micro-breaks, overvoltages, undervoltages, etc.)
- Solutions that enable components to be replaced without interruption of service.

100%
business continuity

System
redundancy

Guaranteed
continuity of service



Hot-Swap Modular UPS



Synchronisable Conventional UPS

Legrand has a range of UPS (modular, synchronisable, etc.) with a variety of performance levels (from 10 to 4800 kVA)

Assisting Scalability

CONSIDERING FOR FUTURE CAPACITY UPGRADE

Main challenge : possibility to add power and battery modules, and thus to increase the future building capacity

Optimization
based on current
needs and ready for
future ones

Future proof
your installations

Modularity
for quick adaptation
to changes



Hot-Swap Modular UPS
Pay as you grow

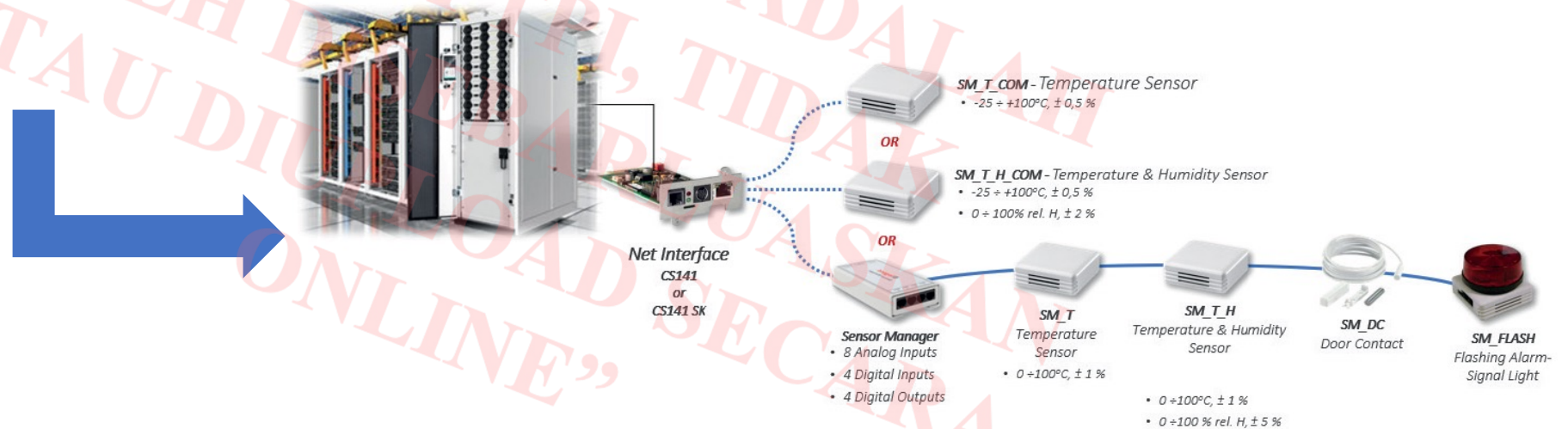


Legrand's parallelable UPS range
Enables additional UPS to be added

Ensuring Security

FOR OPTIMUM PROTECTION OF PEOPLE, EQUIPMENT, AND DATA

The power devices are key components in a hospital, and particular attention must be paid to their safety and security. It is essential to manage the risks concerning these devices.



Many possibilities of environmental and room monitoring

Environmental sensors for maintaining good condition of electrical distribution equipment

CONCLUSION

HOW TO OVERCOME
THE 4 CHALLENGES?



High Efficiency UPS

Hot swap and synchronisable UPS

Extendable Capacity

Environmental Sensors Feature

“DOKUMEN MILIK PT TELKOM ADALAH BOLEH DISEBAR, TIDAK BISA ATAU DIUPLUASKEAN ONLINE” SECARA

TERIMA KASIH



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