

# Paris Session 2022



## PILOT PROJECT GRID SCALE BESS IN EGAT SYSTEM

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Question PS1.1

What are the enduring impacts and changes, if any, that the Electricity Supply industry has implemented as a result of lessons learned from the experiences during the COVID-19 lockdown in respect of substation design & operations?

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### Limitation/Obstruction

- Covid-19 Pandemic.
- Shipment block/delay.
- Flood in a nearby construction area.

- Containerized solution for flexible use.
- Typical standard design for civil foundation, containers, etc.
- Prefabricated Power Conditioning System (PCS) with transformer container.
- Fast construction and installation.
- Online FAT due to travel limitation.



### Group Discussion Meeting

Question PS1.1 What are the enduring impacts and changes, if any, that the Electricity Supply industry has implemented as a result of lessons learned from the experiences during the COVID-19 lockdown in respect of substation design & operations?

Design methodology

- Performance
- Safety

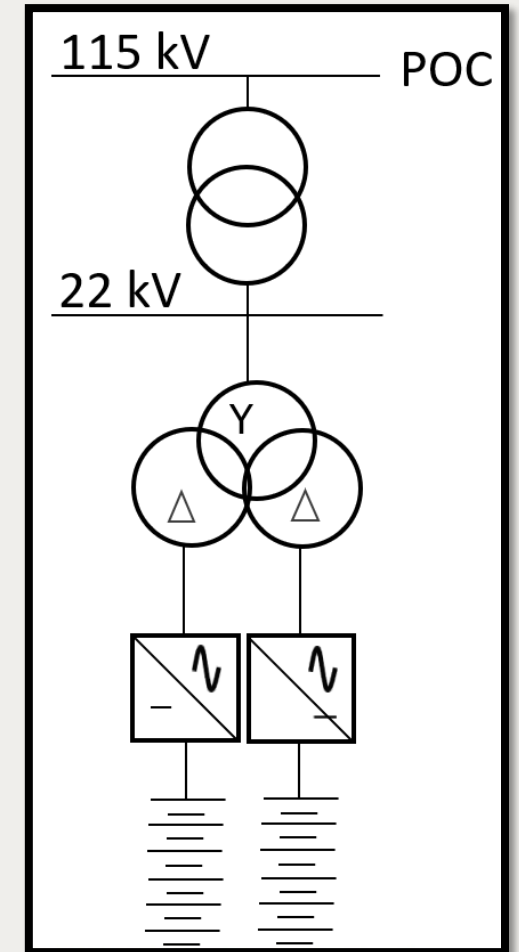
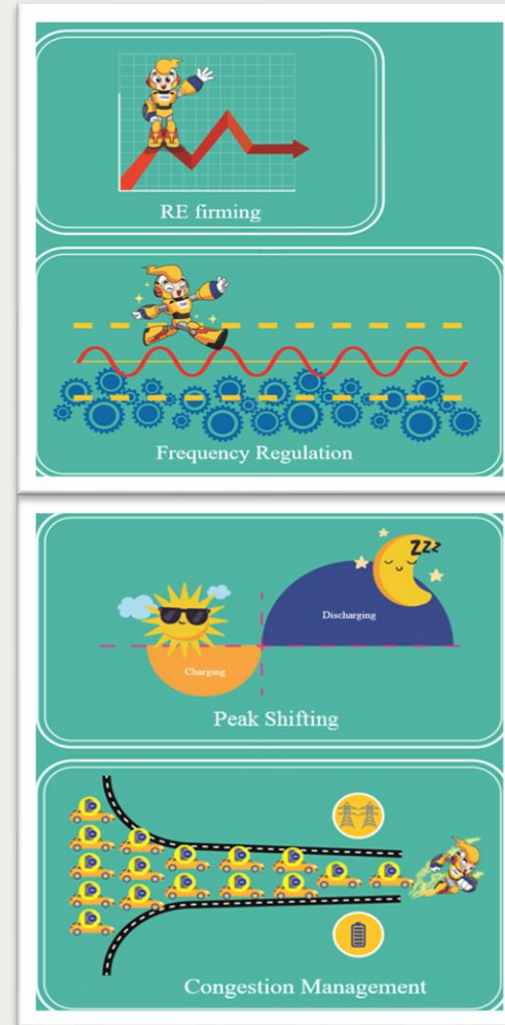
Safety primary concerns: NFPA 855

- Separation distance
- Modular design
- Hierarchical control and monitoring system

Applications

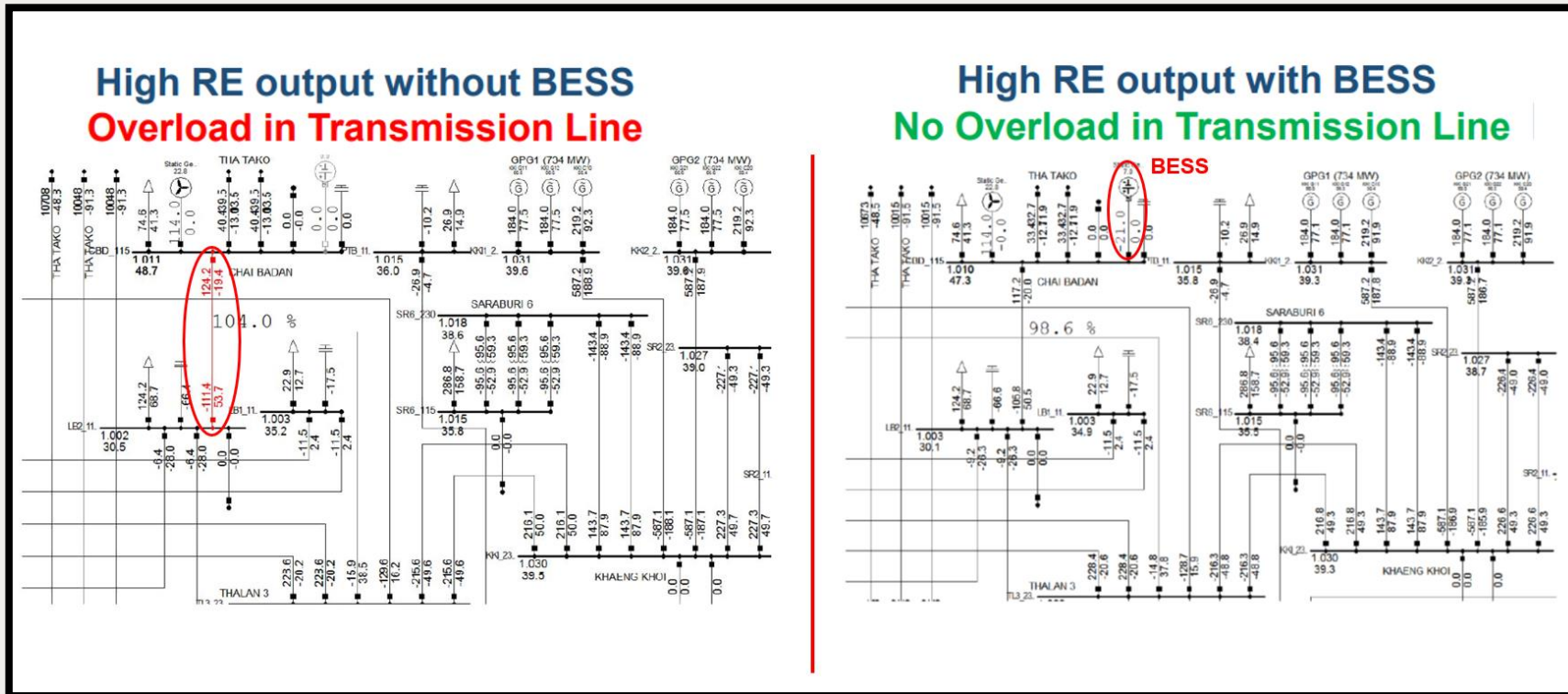
- RE firming
- Peak shifting
- Frequency Regulation
- Congestion Management

Group Discussion Meeting



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## Congestion Management



Group Discussion Meeting