

# Manipulator control

## Decentralized control strategy

- Each distributed energy source works freely utilizing measured local signals
- No source is the reference, and all sources are at a solitary
- Requires all resources to be dispatchable

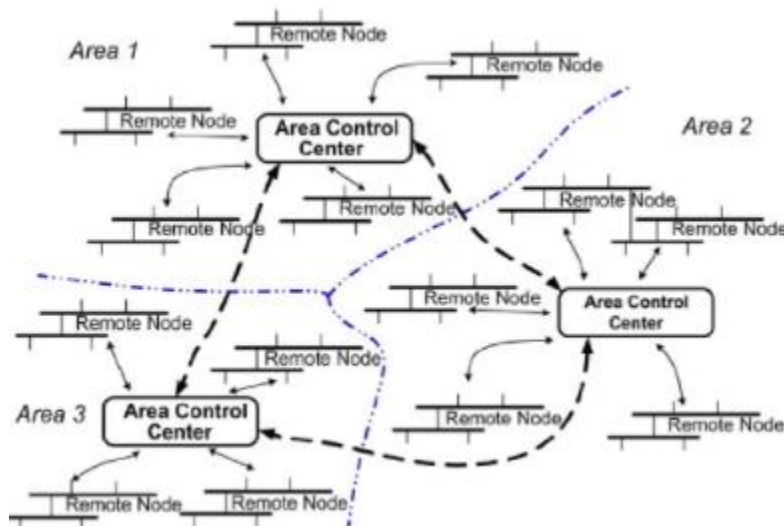


Fig.1

## Centralized control strategy

- The centralized controller is responsible for managing the execution of other components
- All sources are dependent to each other

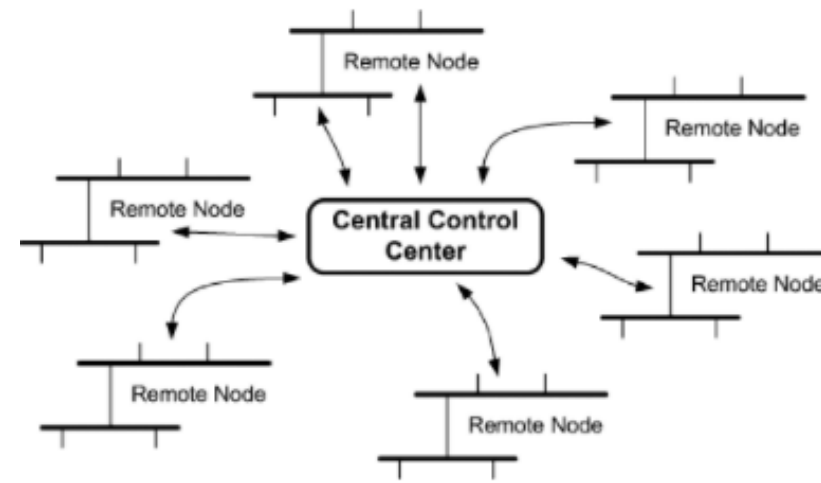


Fig.2

# Notes

- Introducing presenter
- Why talking about decentralized and centralized control strategy
- What is decentralized and centralized control strategy
- Relationship and difference
- Explanation about figures and connection to text

# Reference

[An overview of control techniques and technical challenge for inverters in micro grid](#), Natarajan

Prabaharan, Hybrid-Renewable Energy Systems in Microgrids, 2018

<https://ifs.host.cs.st-andrews.ac.uk/Books/SE9/Web/Architecture/ArchPatterns/CentralControl.html>

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[https://www.researchgate.net/publication/224205518 Comparison Between Communication Infrastructures of Centralized and Decentralized Wide Area Measurement Systems](https://www.researchgate.net/publication/224205518)

Comparison Between Communication Infrastructures of Centralized and Decentralized Wide area measurement systems