

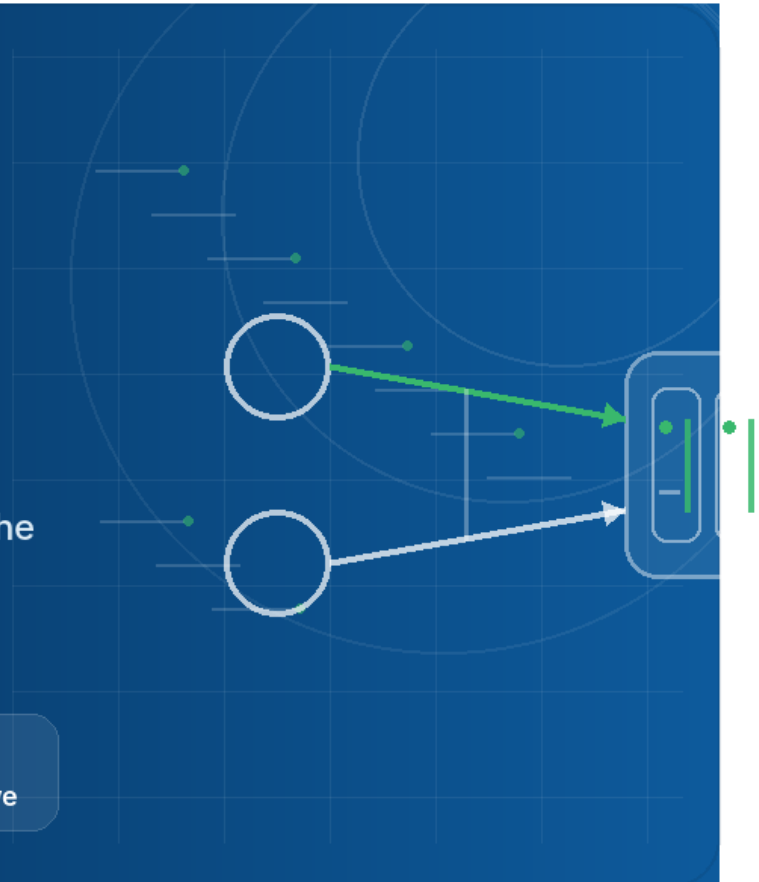
REDUNDANCY

The Role of Redundancy in Mission-Critical Power

Redundancy only adds resilience when the alternate path is truly independent and operators can use it safely.

THE ENGINEERING POINT

Engineering decisions made early prevent expensive field problems later.



WHAT YOU'LL TAKE AWAY

1

Separate the failure domains

Look for common buses, controls, cooling, cable routes, rooms, and maintenance dependencies.

2

Match redundancy to the load

Use N, N+1, 2N, or distributed redundancy where the business case supports it.

3

Test every operating state

Verify transfer, maintenance, and restoration procedures before they are needed.

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