

DISTRIBUTED GENERATION

AND ENERGY ACCESS IN SUPPORT OF A NATIONAL ENERGY PLAN



ENERGY ACCESS

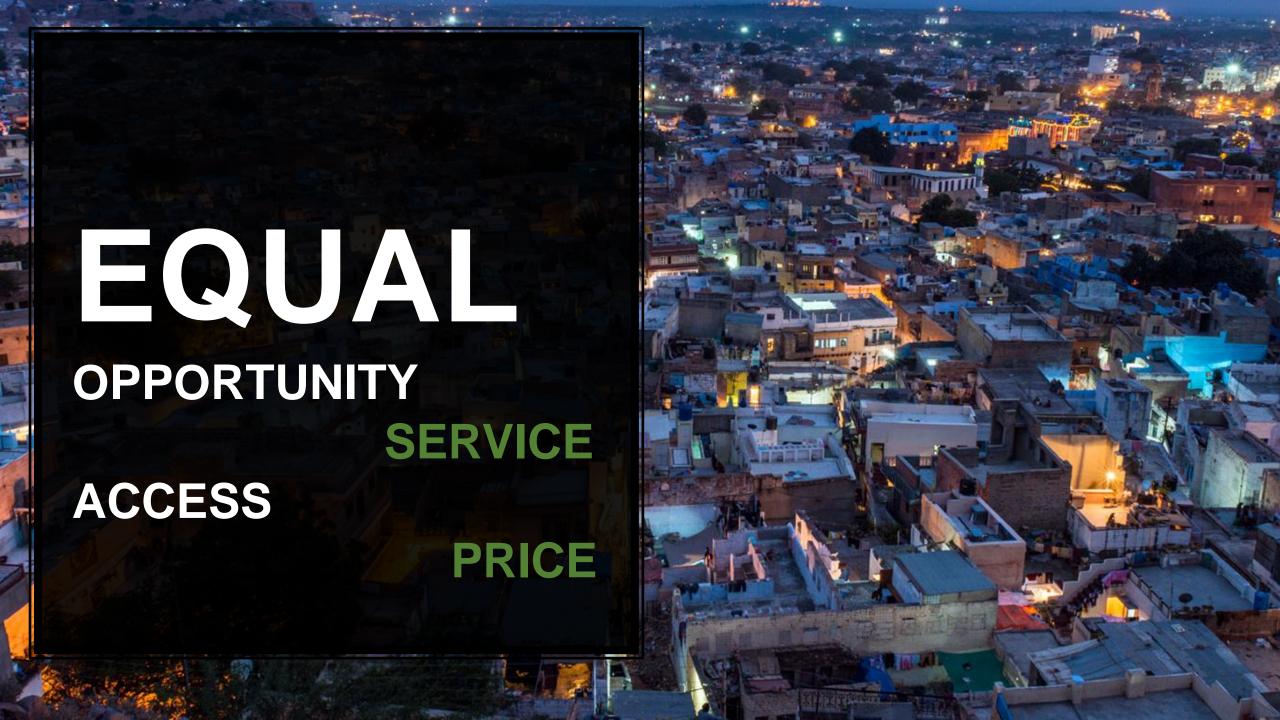
WHAT IS IT AND HOW DO WE GET THERE









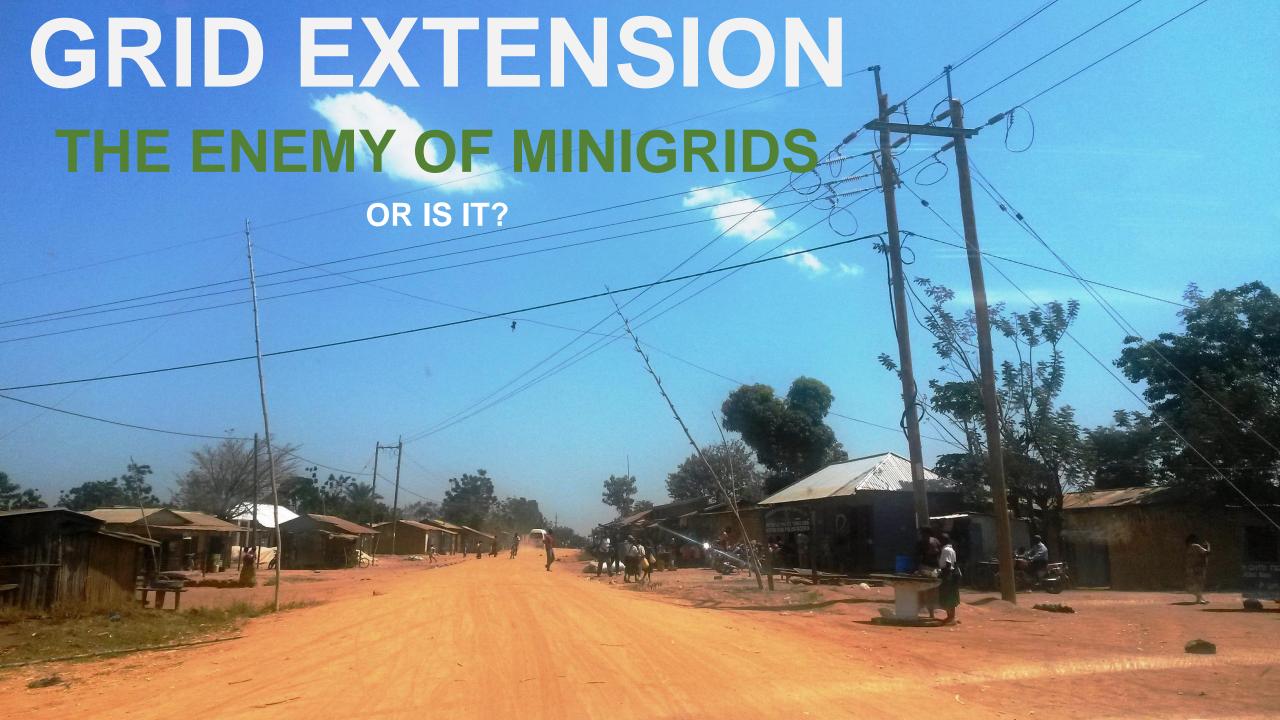






SOLUTION: MINIGRID?





ELECTRIFICATION GOAL

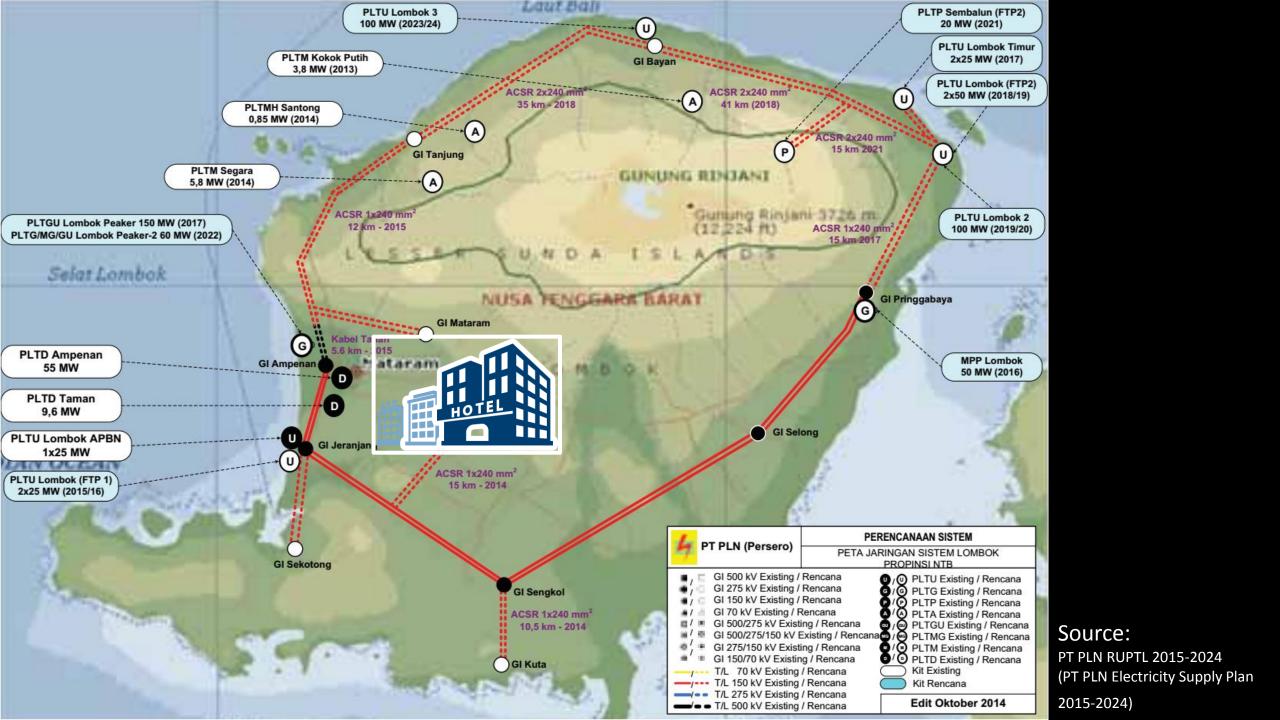
IS JUST A WISH

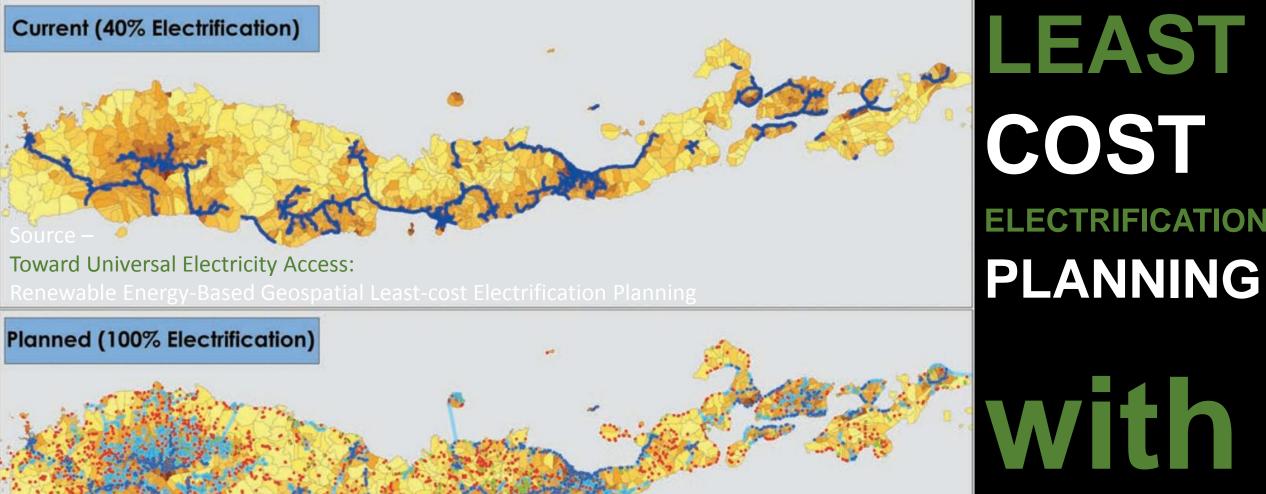


UNTIL THERE IS A PLAN









Grid Proposed

Household Solar Grid Connected

Village Solar Mini-Grid

Data Sources:

Perusahaan Listrik Negara (PLN, Indonesia)

Badan Pusat Statistik (BPS, Indonesia)

Badan Informasi Geospasial (BIG, Indonesia)

LEAST COST **ELECTRIFICATION**

with

GIS **ROOFTOP TAGGING**

Existing Electric Grid

Population Density (Desa Level)



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MINIGRID FEATURES

- Demand management control
- Allows power generation based on local resources
- Blackout prevention
- Technology agnostic
- Compatible with utility grid
- IPP business model
- Performance based contract

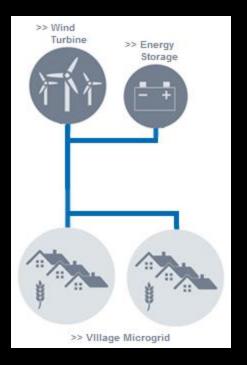


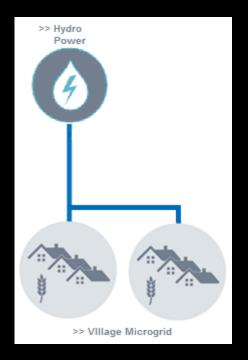


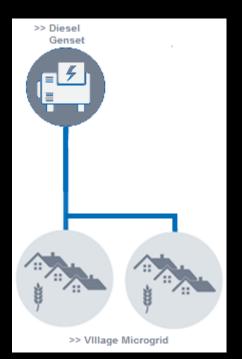


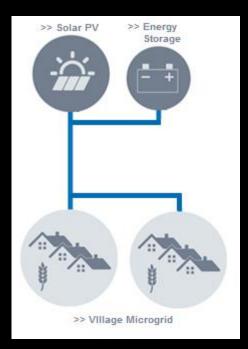
GOING OUT OF BUSINESS

TYPICAL MINIGRIDS INDIVIDUAL SYSTEMS







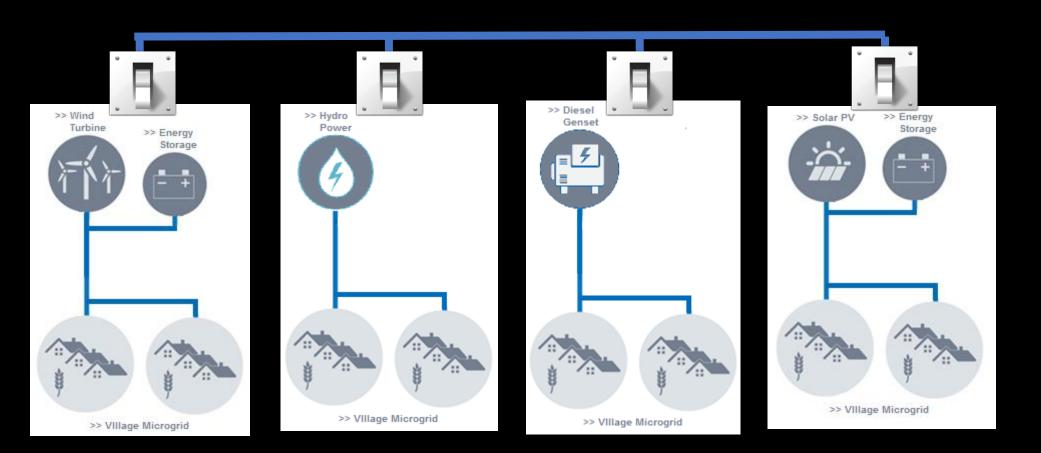




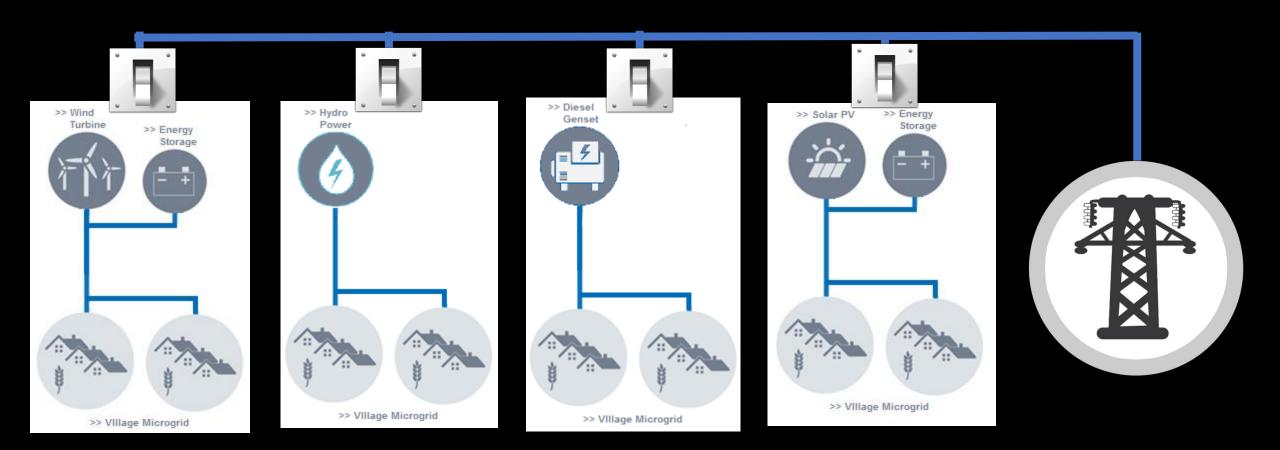




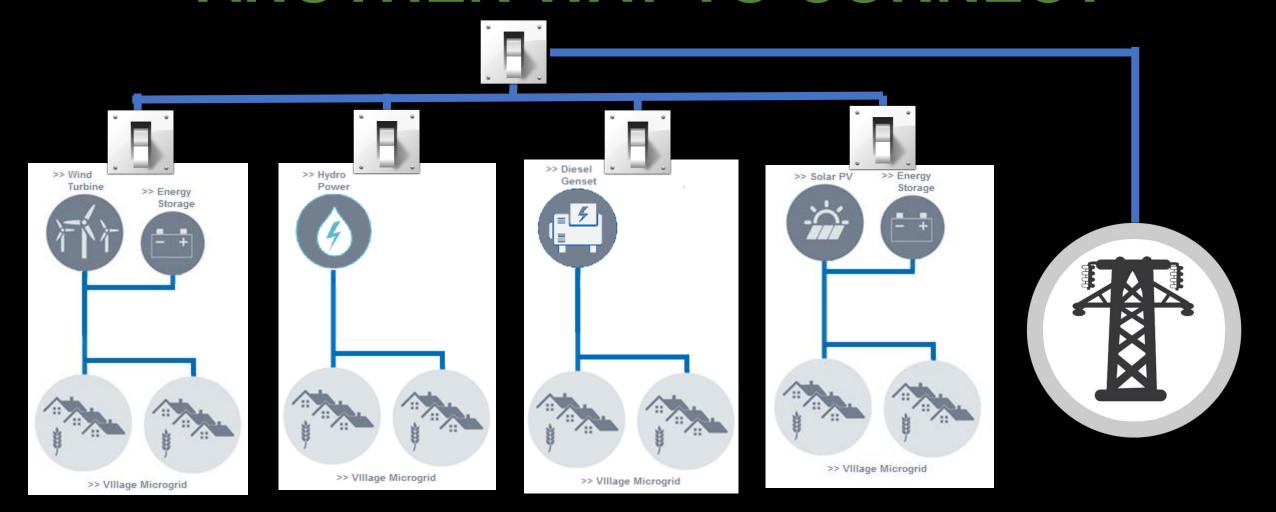
CONNECTED MINIGRIDS SHARED EXCESS ENERGY

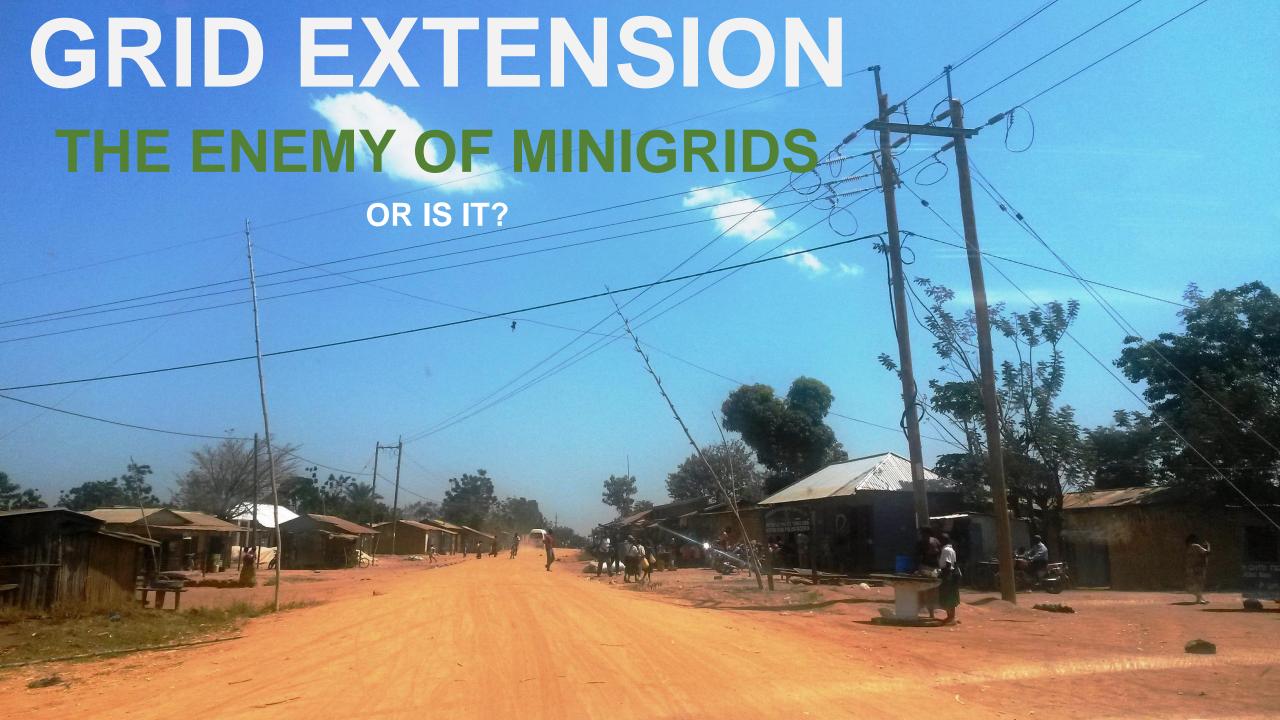


"THE GRID" CONNECTION CONNECTING TO THE PUBLIC GRID

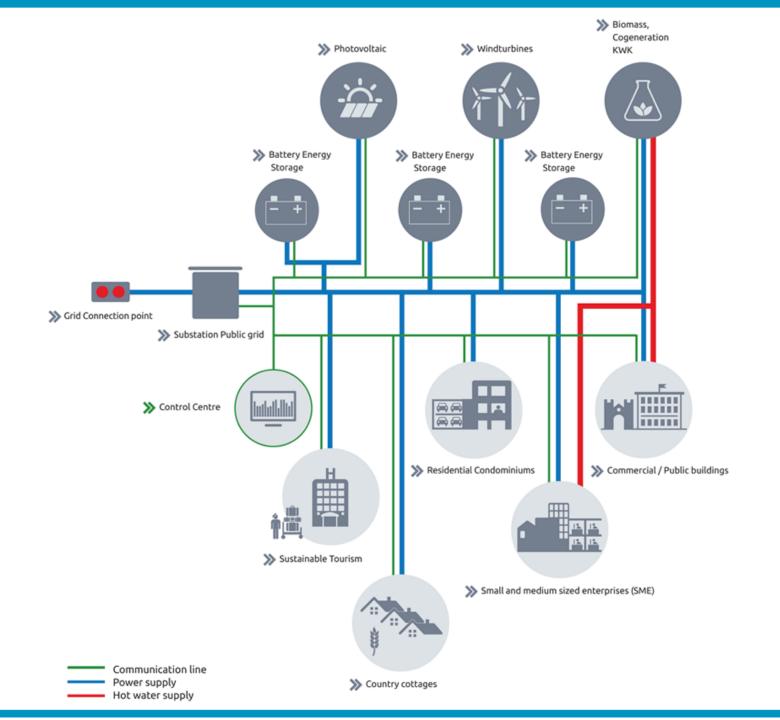


"THE GRID" CONNECTION ANOTHER WAY TO CONNECT









END RESULT

100%
ELECTRIFICATION

BY

MAXIMIZING
THE USE OF
PUBLIC GRID

