

GRID SOLUTIONS





Trends Disrupting The Traditional Power Sector



RENEWABLE ENERGY will account for 64% of new global capacity over the next 10 years



DIGITIZATION

GROWING NUMBER of connected assets through smart sensors, management and new software capability



DECENTRALIZATION

MORE GENERATION
will be coming from
distributed resources
and the rise of prosumers



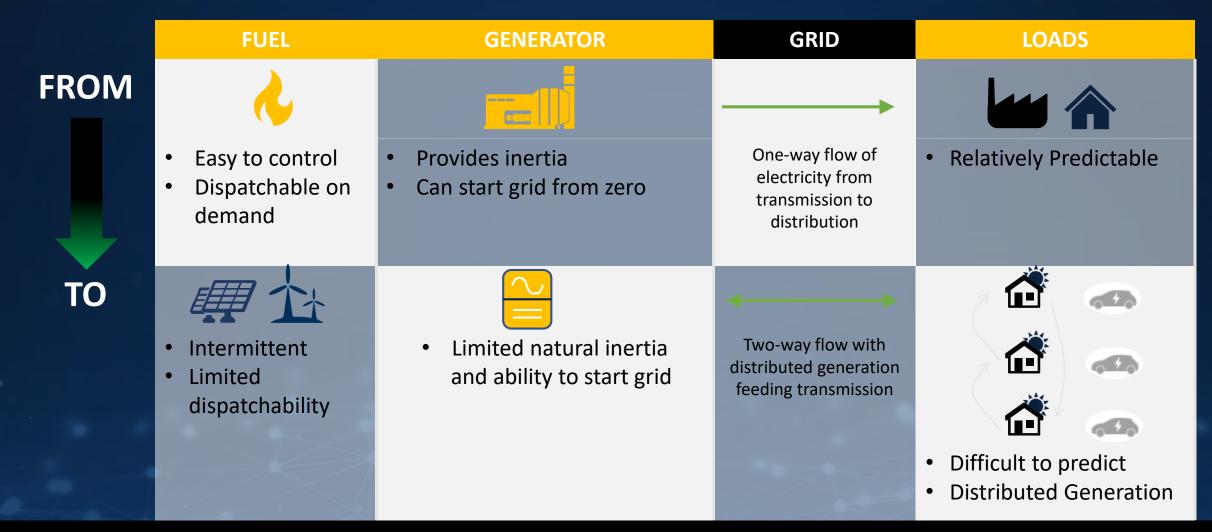
ELECTRIFICATION

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INCREASE of electric transportation and electrical heating



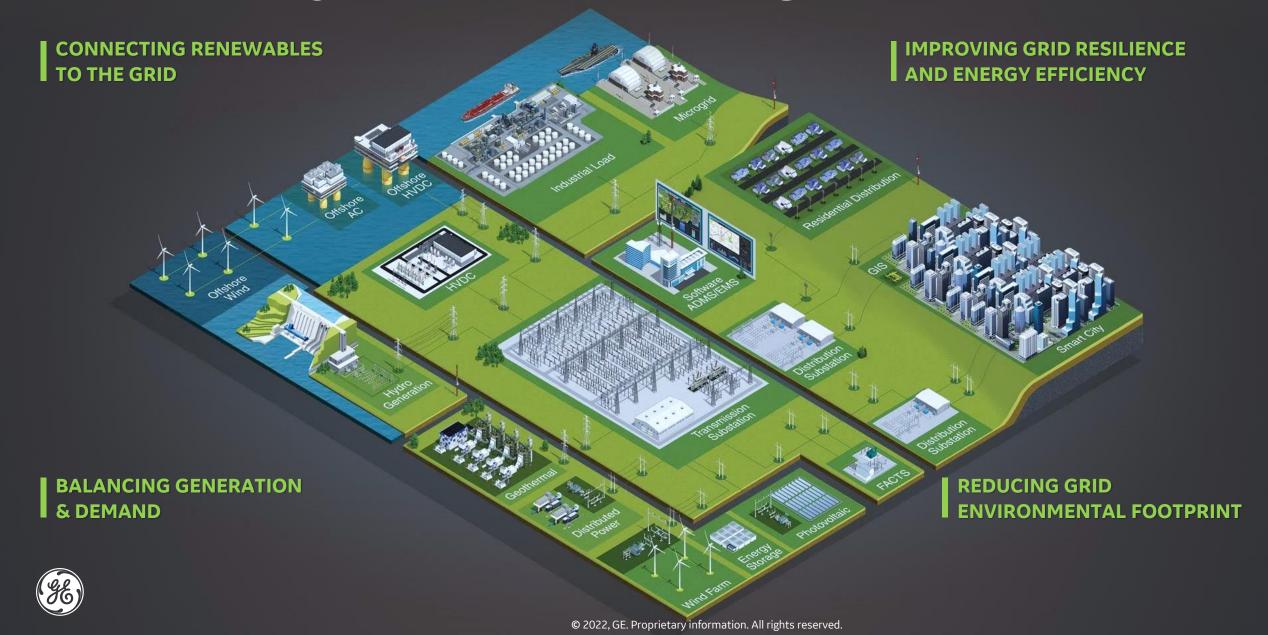
The Energy Transition: how does it impact the grid?



The grid was designed for a different way of producing and consuming energy



Understanding Our Industry Challenges



INTELLIGENT DIGITAL SUBSTATION

DELIVERING ADVANCED CONTROLS, ASSET DIAGNOSTICS, SITUATIONAL AWARENESS SOLUTIONS & TURN-KEY SUBSTATIONS

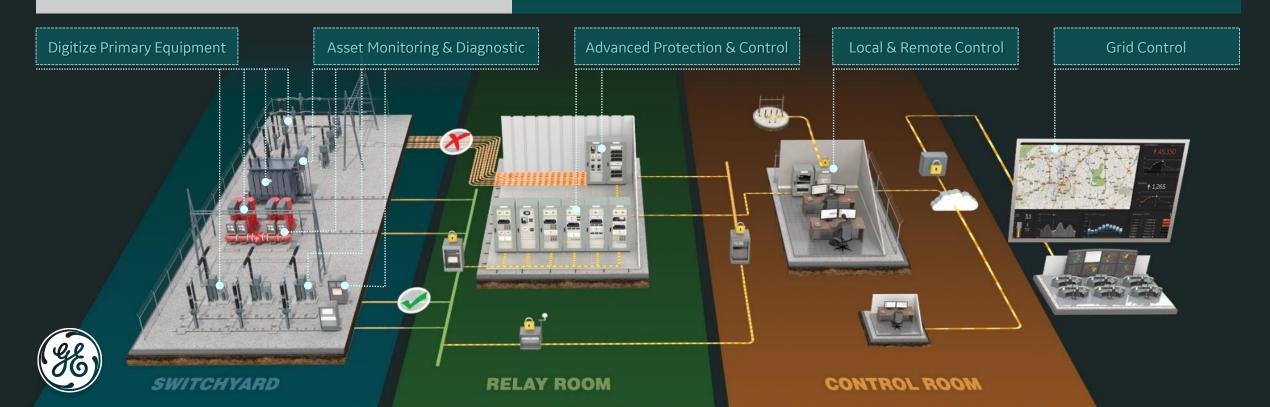
REDUCE SUBSTATION
PROTECTION & CONTROL
LABOR AND MATERIAL COST
BY UP TO 50%

ELIMINATE UPTO **200** KMs of COPPER WIRING

IMPROVE SERVICE TEAM EFFICIENCY BY UPTO 80%

UP TO 15% INCREASE INASSET UTILIZATION

UP TO +50% REDUCTION INSUBSTATION FOOTPRINT



DISTRIBUTED ENERGY INTEGRATION & MICROGRIDS

RETURNING SYSTEM FLEXIBILITY

EXPECTED TO GROW BY 7 x to 900+ GW in 2040

GE'S MICROGRID SOLUTIONS ENABLES THE OPTIMIZED INTEGRATION AND CONTROL OF DISTRIBUTED ENERGY RESOURCES

Up to 20% REDUCTION IN DIESEL GENERATION WITH RENEWABLES & ENERGY STORAGE

Up to 27% REDUCTION IN RENEWABLE CURTAILMENT

Microgrids Solution Portfolio











Grid Solutions

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