

I&R - The Global Microgrid Market Report 2018

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Abstracts

A microgrid is not a single technology, but rather a system of systems that can be applied by multiple stakeholders. Microgrids differ from conventional electrical distribution system as it acts a close proximity medium between the power generation and power consumption sources which results in increasing efficiency and reducing transmission losses. Numerous countries are now focusing on improving their grid infrastructure on account of constantly rising energy cost, aging infrastructure, mass electrification, and climatic changes. Rising importance of captive electricity generation as a key alternative to the regulated power supply by municipal regulators in mining and mechanical engineering sectors is expected to have a strong impact. Small-scale microgrids promise to bring electricity to the 1.3 billion people mostly rural people worldwide who currently lack it.

Deployment of captive power generation as a key alternative to the regulated electricity supply in industrial sector will positively impact the business growth. Regulatory inclination to maintain central grid stability coupled with growing measures toward security of power supply will fuel the microgrid market. Rapid technological advancements in line with the development of efficient energy storage systems and control distribution units will further complement the industry outlook. Utility microgrid market is set to grow owing to the rapid industrialization and urbanization across the emerging economies.

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Africa

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Latin America

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Military Microgrid

A Drivers & Restraints analysis examining the Microgrid market

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Contents

- Executive Summary
- Benefits of the Report
- Intended Audience
- Report Contributors
- Methodology
- Definition of a Microgrid
 - Figure 1: Microgrid Architecture
- Grid-connected vs. Off-grid Microgrid
 - Figure 2: Grid-Tied Microgrid System
 - Figure 3: Off-Grid Microgrid System
 - Figure 4: Hybrid Microgrid System
- Microgrids Power Connectivity
- Direct Current (DC) Microgrid
 - Figure 5: Standalone DC Microgrid System
- Alternating Current (AC) Microgrid
 - Figure 6: Standalone AC Microgrid System
- Microgrid Applications
 - Figure 7: Industries Most Likely to Use Microgrids
- Campus Environment and Institutional Microgrids
- Commercial and Industrial (C&I) Microgrids
- Community and Utility Microgrids
- Hospitals and Healthcare Facilities
- Military Base Microgrids
- Remote “Off-grid” Microgrids
- Virtual Microgrids
- Microgrid-Enabling Technologies
- Power Source
 - Cogeneration (CHP) and Micro-CHP
 - Figure 8: Common CHP Technologies
 - Figure 9: Combined Heat & Power System
 - Diesel Generator & Diesel Hybrid and Fuel Cells
 - Figure 10: Diesel Generator
 - Fuel Cell
 - Figure 11: Hydrogen Fuel Cell
- Renewable Power Sources
 - Photovoltaics Solar Cells
 - Figure 12: Photovoltaic Modules

- Figure 13: Grid Solar PV System
- Waste-to-Energy
 - Figure 14: Waste-to-Energy System
- Wind Power Systems
 - Figure 15: Wind Turbine
 - Figure 16: Wind Microgrid System
- Micro-Hydro Turbines
 - Figure 17: Conventional Hydroelectric Power Plant
 - Table 1: Small to Pico Hydroelectric Power Plant Sizes (kW, MW)
 - Figure 18: Run of River Hydropower Plant
- Distributed Energy Storage Systems
- Batteries
 - Figure 19: Battery Power-Energy Spectrum
 - Figure 20: Battery Bank
- Flow Batteries
 - Figure 21: Flow Battery System
- Lithium-Ion Batteries
 - Figure 22: Lithium-Ion Battery Composition
- Lead-Acid Batteries
 - Figure 23: Lead-Acid Battery Composition
- Vanadium Redox
- Others Storage Technologies
- Plug-in Electric Vehicles
- Flywheels
 - Figure 24: Fly Wheel Energy Storage
 - Table 2: Mechanical & Electrical Energy Storage Systems, (MW, \$/KWH, MWH)
- Power Inverters/Rectifiers
 - Figure 25: Sine wave vs Pure/Square wave
- Grid Integration and Inverters
- Islanding and Bi-Directional Inverters
- Switchgear
- Smart Switches and Meters
- Microgrid Software Technologies
- Microgrid Control Systems and Power Management System
- Microgrid Software as a Service
- Automated Demand Response
- Substation Automation
- Distribution Automation (DA)
- Microgrid Services

Engineering and Design

Monitoring and Control

Operations and Maintenance

Microgrid Project Economics

Capital Costs

Operation and Maintenance Costs

Electricity Costs

Environmental Costs

Microgrid Business Models

Figure 26: Microgrid Business Models

Facility Owner Financing and Maintenance

Utility Rate Base

Pure Hardware Component Sales

Software as a Service

Government Energy Service Contracts

Power Purchase Agreements (PPAs)

Pay-As-You-Go (PAYG)

Design, Build, Operate, Own, and Maintain (DBOOM)

Non-Synchronous Direct Current

Operations and Maintenance Contracts

Revenue Implications of Microgrids

Microgrid Security

Physical Security

Classic Security

Cyber Security

Islanding, and Energy Storage Standards

The Microgrid Value Chain

Figure 27: Microgrid Value Chain

Standardization and Interoperability

Offering A Total Solution

Global Microgrid Technologies Industry Outlook

Table 3: Global Microgrid Market Forecast 2018 – 2028, (\$m, AGR %)

Figure 28: Global Microgrid Market Forecast 2018 – 2028, (\$m, AGR %)

Developing Countries to Lead

Falling Hardware Costs

Figure 29: Price of Silicon PV Cells, 2000 – 2016 (\$/watt)

Easy Connectivity

An Opportunity for service Provision

Figure 30: Microgrid Service Lifecycle

Drivers & Restraints of the Microgrid Market

Drivers of the Microgrid Market

Flexible and Adaptive

Economic & Community Integrated

Enhance Reliability

Cost Reduction

Revenue Generation

Environmentally Friendly

Restraints of the Microgrid Market

Emerging Industry

Bankability

Global Microgrid Market by Power Source Forecast

Table 4: Global Microgrid Power Source Market Forecast 2018 – 2028, (\$m, AGR %)

Figure 31: Global Microgrid Power Source Market Forecast 2018 – 2028, (\$m, AGR %)

Figure 32: Global Market Share for Microgrid Technology, by Power Source, 2018

Diesel Microgrid Market Forecast

Table 5: Diesel Microgrid Power Source Market Forecast, (\$m, AGR %)

Figure 33: Diesel Microgrid Power Source Market Forecast, (\$m, AGR %)

Figure 34: Diesel Prices in Selected Countries, December 2017 (U.S.\$ per litre)

Figure 35: Diesel Generator Sales in Emerging Economies, Latin America, Africa, Asia and Island Nations 2010-2016, (No. Of Generators)

CHP Microgrid Market Forecast

Table 6: CHP Microgrid Power Source Market Forecast, (\$m, AGR %)

Figure 36: CHP Microgrid Power Source Market Forecast, (\$m, AGR %)

Solar PV Microgrid Market Forecast

Table 7: PV Microgrid Power Source Market Forecast, (\$m, AGR %)

Figure 37: PV Microgrid Power Source Market Forecast, (\$m, AGR %)

Figure 38: Chinese Solar Panel Sales to Developing Countries, (% of total exports)

Wind Power Microgrid Market Forecast

Table 8: Wind Microgrid Power Source Market Forecast, (\$m, AGR %)

Figure 39: Wind Microgrid Power Source Market Forecast, (\$m, AGR %)

Figure 40: Wind Cost per kWh, 2000 – 2016, (\$/watt)

Other Sources Microgrid Market Forecast

Table 9: Other Power Sources Microgrid Power Source Market Forecast, (\$m, AGR %)

Figure 41: Other Power Sources Microgrid Power Source Market Forecast, (\$m, AGR %)

Global Microgrid Market by Application End User Market Forecast

Table 10: Global Microgrid Market by Application End User Market Forecast, (\$m, AGR %)

Figure 42: Global Microgrid Market by Application End User Market Forecast, (\$m, AGR %)

Healthcare/Government Microgrid Market Forecast

Table 11: Healthcare and Government Microgrid End User Market Forecast, (\$m, AGR %)

Figure 43: Healthcare and Government Microgrid End User Market Forecast, (\$m, AGR %)

Community & Utility Distribution Microgrid Market Forecast

Table 12: Community & Utility Distribution Microgrid End User Market Forecast, (\$m, AGR %)

Figure 44: Community & Utility Distribution Microgrid End User Market Forecast, (\$m, AGR %)

Table 13: Commercial & Industrial Microgrid End User Market Forecast, (\$m, AGR %)
Commercial & Industrial Microgrid Market Forecast

Figure 45: Commercial & Industrial Microgrid End User Market Forecast, (\$m, AGR %)

Figure 46: Corporate PPAs Signed in Developing Countries, (MW)

Figure 47: Microgrid Powered Mines

Institutional & Campus Microgrid Market Forecast

Table 14: Institutional & Campus Microgrid End User Market Forecast, (\$m, AGR %)

Figure 48: Institutional & Campus Microgrid End User Market Forecast, (\$m, AGR %)

Remote, Island & Village Microgrid Market Forecast

Table 15: Remote, Island & Village Microgrid End User Market Forecast, (\$m, AGR %)

Figure 49: Remote, Island & Village Microgrid End User Market Forecast, (\$m, AGR %)

Table 16: Planned Island Microgrid Project

Figure 50: Island Microgrid Projects Announced In Asia-Pacific Region 2017

Hybrid Microgrids

Military Microgrid Market Forecast

Table 17: Military Microgrid End User Market Forecast, (\$m, AGR %)

Figure 51: Military Microgrid End User Market Forecast, (\$m, AGR %)

Table 18: U.S. Military Bases with Microgrids

Regional Microgrid Technologies Market Forecast

Table 19: Regional Microgrid Market Forecast, (\$m, AGR %)

Figure 52: Regional Microgrid Market Forecast, (\$m, AGR %)

North American Microgrid Technologies Market Forecast

Table 20: North American Microgrid Market Forecast, (\$m, AGR %)

Figure 53: North American Microgrid Market Forecast, (\$m, AGR %)

Figure 54: U.S. Microgrid Market Share by End-User

Figure 55: Average Electric Power Service Interruptions per Customer by Utility Type,

2015

European Microgrid Technologies Market Forecast

Table 21: European Microgrid Market Forecast, (\$m, AGR %)

Figure 56: European Microgrid Market Forecast, (\$m, AGR %)

Asia-Pacific Microgrid Technologies Market Forecast

Table 22: Asia-Pacific Microgrid Market Forecast, (\$m, AGR %)

Figure 57: Asia-Pacific Microgrid Market Forecast, (\$m, AGR %)

Figure 58: Un-Electrified Villages in India

Latin American Microgrid Technologies Market Forecast

Table 23: Latin American Microgrid Market Forecast, (\$m, AGR %)

Figure 59: Latin American Microgrid Market Forecast, (\$m, AGR %)

Middle East & Africa Microgrid Technologies Market Forecast

Table 24: Middle East & Africa Microgrid Market Forecast, (\$m, AGR %)

Figure 60: Middle East & Africa Microgrid Market Forecast, (\$m, AGR %)

Figure 61: Electrification Rates in Selected Sub-Saharan African Countries, 2017 (%)

Microgrid Industry SWOT

Industry Trends and Developments

Garden Island Microgrid Project.

5MW Indiana National Guard Microgrid

Schneider Electric Connecticut Microgrid

Microgrid to Serve Large Food Market

ABB Offshore Platform Microgrid

Micro Grids Are Boosting Access To Electricity For Rural Communities

Market Opportunities

Trends & Opportunities

Table 25: Key Microgrid Benefits Developed vs. Developing Regions

Outlook for the Microgrid Technologies Market

Cost and Technology

Market Trends

Financing & Business Model Trends

Barriers to Growth

Company Profiles

ABB Limited

Advanced Microgrid Solutions LLC

Alstom Power Limited

Ampard AG

Anbaric Transmission, LLC

Aquion Energy

Azure Power

Black & Veatch
Bosch BGT
Burns Group
BYD Company Ltd
Canadian Solar Solutions Inc.
Capstone Turbine Corp
Carnegie Clean Energy Ltd
Caterpillar Inc.
Cenergy Power
China Singyes Solar Technologies Holdings Limited
Cleanspark Inc
Constellation Energy
Eaton Corporation PLC
Echelon Corp
Encorp Inc.
Ensync, Inc.
Electro Power Systems SA
Enerdel Inc.
Engie SA
Exelon Corporation
First Solar Inc.
Fluidic Energy
Focused Sun
G&S Solar Installers LLC
General Electric Co
General Microgrids, Inc.
Gram Power India Pvt. Ltd.
Green Energy Corp.
Growing Energy Labs Inc
Hitachi Ltd
Homer Energy LLC
Husk Power Systems
Johnson Controls Inc.
Komaihaltec Inc
Landis & Gyr AG
Lockheed Martin Corp
Mera Gao Power Private Limited
Mitsubishi Electric Corporation
Mitsui & Co Ltd

Moixa Energy Holdings Ltd
NEC (A123 Energy Solutions)
NRG Energy Inc
Nuscale Power, LLC
OMC Power Private Limited
Pareto Energy Limited
Parker Hannifin Corporation
Power Analytics Corporation
Powerhive Inc.
Powerstream
Princeton Power Systems
Raytheon Company
S&C Electric Company
Selco Solar Pvt. Ltd.
Siemens AG
Schneider Electric SE
Solar City Corporation
Spirae, Inc.
Steama Co. Ltd.
Sunedison LLC
Sungevity, Inc.
Sungrow Power Supply Co., Ltd
Sunverge Energy Inc
Sunpower Corporation
Sunrun Inc.
Tesla Inc
Trinity Solar Inc.
Toshiba Corporation
Verengo, Inc.
Victron Energy
Viridity Energy, Inc.
Vivint Solar Inc.
Welspun Energy
ZF Energy Development, Llc
Conclusions
Glossary of Terms
Methodology
How We Generate Our Industry Forecasts
Disclaimer

Appendix A

Appendix B

COMPANIES MENTIONED

ABB Limited
Advanced Microgrid Solutions LLC
Alstom Power Limited
Ampard AG
Anbaric Transmission, LLC
Aquion Energy
Azure Power
Black & Veatch
Bosch BGT
Burns Group
BYD Company Ltd
Canadian Solar Solutions Inc.
Capstone Turbine Corp
Carnegie Clean Energy Ltd
Caterpillar Inc.
Cenergy Power
Central Hudson Gas & Electric
China Singyes Solar Technologies Holdings Limited
Cleanspark Inc
Constellation Energy
Duke Energy
Eaton Corporation PLC
Echelon Corp
Echidna Energy
Emerson Network Power
Encorp Inc.
EnerNOC
Ensync, Inc.
Electro Power Systems SA
Enerdel Inc.
Engie SA
Exelon Corporation
First Solar Inc.
Fluidic Energy

Focused Sun
G&S Solar Installers LLC
General Electric Co
General Microgrids, Inc.
Gram Power India Pvt. Ltd.
Green Energy Corp.
Growing Energy Labs Inc
Hitachi Ltd
Homer Energy LLC
Husk Power Systems
Johnson Controls Inc.
Komaihaltec Inc
Landis & Gyr AG
Lockheed Martin Corp
M-Kopa
Mera Gao Power Private Limited
Mitsubishi Electric Corporation
Mitsui & Co Ltd
Moixa Energy Holdings Ltd
NEC (A123 Energy Solutions)
NRG Energy Inc
Nuscale Power, LLC
OMC Power Private Limited
Pareto Energy Limited
Parker Hannifin Corporation
Power Analytics Corporation
Powerhive Inc.
Powerstream
Princeton Power Systems
Raytheon Company
S&C Electric Company
Selco Solar Pvt. Ltd.
Siemens AG
Simpa Networks
Schneider Electric SE
Solar City Corporation
Spirae, Inc.
Steama Co. Ltd.
Sunedison LLC

Sungevity, Inc.
Sungrow Power Supply Co., Ltd
Sunverge Energy Inc
Sunpower Corporation
Sunrun Inc.
Tesla Inc
Trinity Solar Inc.
Toshiba Corporation
Verengo, Inc.
Victron Energy
Viridity Energy, Inc.
Vivint Solar Inc.
Welspun Energy
ZF Energy
Organizations Mentions
International Energy Agency (IEA)
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