

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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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.
Steamer Co. Ltd.
Sunedison LLC
Sungevity, Inc.
Sungrow Power Supply Co., Ltd
Sunverge Energy Inc
Sunpower Corporation
Sunrun Inc.
Tesla Inc
Trinity Solar Inc.
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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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