

I&R - The Global Hydropower Market Report 2018

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Abstracts

Hydropower is the most mature, reliable and cost-effective renewable power generation technology where power is derived from the energy of water moving from higher to lower elevations. It is a technology that is a long established method of generating electricity, especially in developed western countries. It is a proven, anticipated, and typically price-competitive technology. Hydropower has one of the best efficiencies of conversion of all known energy sources (water to wire 90 percent efficiency). In developing nations this resource is heavily underutilized and will therefore provide considerable growth opportunities, as demand for electricity increases to fuel growing industrialization. Though it requires comparatively high initial investment, it has a long service life with very low operational and maintenance costs.

The unique siting requirements of traditional underground hydropower facilities, however, present substantial development risk. Higher efficiency, next-generation hydropower technologies may not be limited by geological considerations are being commercialized.

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201 pages of comprehensive analysis

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Europe

Euraisa

Asia-Pacific

Africa

Middle East

Latin America

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Chinese-led JV Awarded Contracts For Malaysian Hydropower Project
SNC-Lavalin Awarded 10-MW Contract
Israel Hydro Pumped Storage
CCECC Awarded Nigerian Mambilla Dam Project
86-MW Solu Khola Nepal Hydroelectric Project
Hatta Hydroelectric Project
Snowy Mountains Pumped Storage Upgrade
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Acciona Energia, S.A.
Ameren Corporation
Avista Corporation
Brookfield Asset Management
China Yangtze Power Company (CYPC)
Dominion Energy, Inc
Duke Energy
EDF (Électricité de France)
Endesa
Enel
Elektroprivreda Srbije (EPS)
Hydro-Québec
Iberdrola
Idaho Power Company
Jaiprakash Power Ventures Limited (JPVL)
KenGen
Manitoba Hydro
MidAmerican Energy Holdings Company

National Hydroelectric Power Corporation (NHPC)
Ontario Power Generation (OPG)
Pacific Gas and Electric Company (PG&E)
RusHydro
RWE AG
SSE Plc
Southern California Edison Company (SCE)
Southern Company
Statkraft
Tennessee Valley Authority (TVA)
Tokyo Electric Power Company (TEPCO)
Tractebel Energia
Vattenfall
Verbund
Hydropower Service Companies:
ABB, Ltd.
Alstom Hydro S.L
American Hydro
Andritz Hydro GmbH
Ansaldo Energia
B. Maier Wasserkraft GmbH Anlagenbau
Bharat Heavy Electricals Limited (BHEL)
Bilfinger Berger
Black & Veatch Corporation
Chongqing Lisong Electromechanical Equipment Co., Ltd
DongFang Electric Corporation
Ebara Corp
Gilbert Gilkes & Gordon
Global Hydro Energy GmbH
Gugler Water Turbines GmbH
Harbin Power Equipment Company
Hitachi, Mitsubishi Electric and Mitsubishi Heavy Industries (MHI)
Hunan Lingling Hengyuan Generating Equipment Co., Ltd
HydroWorks Limited
Hyundai Ideal Electric Co
IMPSA International, Inc.
Ingeteam Energy, SA
Kirloskar Brothers, Ltd
Larsen & Toubro (L&T)

Litostroj Power d.o.o.
MarelliMotori
Mavel a.s.
Meidensha Corp
Mitsubishi Heavy Industries, Ltd.
Mott MacDonald
OJSC Power Machines
OJSC Turboatom
Orengine International, Ltd
Ossberger GmbH + Co
Parsons Peebles Generation, Ltd.
Pentair Inc
Rainpower Norway AS
Reivax Automação e Controle S/A
Sicmemotori SpA
Sinohydro
SPP Pumps
STE Energy
Sundyne Corp.
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Voith Hydro
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ABB Ltd
Acciona Energia, S.A
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Alstom Hydro S.L
Ameren Corporation
American Hydro
Ansaldo Energia
Andritz AG
Avista Corporation
Aquila Capital
B. Maier Wasserkraft GmbH Anlagenbau
Bharat Heavy Electricals Limited (BHEL)
Bilfinger Berger
Black & Veatch Corporation
Brookfield Asset Management
China Yangtze Power Company (CYPC)
Chongqing Lisong Electromechanical Equipment Co., Ltd
Civil Engineering Construction Corporation (CCECC).
Dominion
DongFang Electric Corporation
Duke Energy
E.ON Wasserkraft
Ebara Corp
EDF (Electricite de France)
Electric Power Plants (EPP)
Elektroprivreda Srbije (EPS)
Emerson
Empresa Nacional de Electricidad (ENDE)
Empresa Nacional de Energia Electrica (ENEE)
Endesa
Enel
GDF Suez
GE Hydro
GE Renewables
Gilbert Gilkes & Gordon
Global Hydro Energy GmbH
Gravity Power LLC
Gugler Water Turbines GmbH
Gunung Hydropower Sdn. Bhd
Harbin Power Equipment Company
Hitachi, Mitsubishi Electric and Mitsubishi Heavy Industries (MHI)
Hunan Lingling Hengyuan Generating Equipment Co., Ltd

Hydro-Quebec
HydroWorks Limited
Hyundai Ideal Electric Co
Iberdrola
Idaho Power Company
IMPISA International, Inc.
Ingeteam Energy, SA
Irkutskenergo
Jaiprakash Power Ventures Limited (JPVL)
KenGen
Kirloskar Brothers, Ltd
Larsen & Toubro (L&T)
Latvenergo
Litostroj Power d.o.o
Manitoba Hydro
MarelliMotori
Mavel A.S.
Meidensha Corp
MidAmerican Energy Holdings Company
Mitsubishi Heavy Industries, Ltd
Mott MacDonald
National Hydroelectric Power Corporation (NHPC)
Nord Hydro
OJSC Power Machines
OJSC Turboatom
Ontario Power Generation (OPG)
Orengine International, Ltd
Ossberger GmbH + Co
Pacific Gas and Electric Company (PG&E)
Parsons Peebles Generation, Ltd
Pentair Inc
Pöyry
Rainpower Norway A.S.
Reivax Automação e Controle S/A
RusHydro
RWE AG
Sarawak Energy Berhad
Scottish and Southern Energy (SSE)
Sicmemotori SpA

Sinohydro Corporation
SNC-Lavalin
Southern California Edison Company (SCE)
South East Power Company
SPP Pumps
Statnett
Statkraft
STE Energy
Sundyne Corp
Tata Power
Tennessee Valley Authority (TVA)
TES Vsetin A.S
Tokyo Electric Power Company (TEPCO)
Toshiba Power Systems Company
Tractebel Energia
UCM Resita Turbine
VAPTECH
Vattenfall
Verbund
Vinci Construction
Voith Hydro
Wasserkraft Volk AG
Weir American Hydro
Zenergy
Zesco
Zhejiang Hydropower Construction and Installation Co
Organizations Mentioned
African Development Bank (AfDB)
Asian Development Bank-supported (ADB)
China Development Bank
Chinese Exim Bank
Eurasian Development Bank (EDB),
Inter-American Development Bank (IDB)-
International Hydropower Association (IHA)
International Investment Bank (IIB)
United Nations (UN)
United Nations Framework Convention on Climate Change (UNFCCC)
US Army Corps of Engineers (USACE)
US Department of Energy (DOE)

U.S. Energy Information Administration (EIA)
US Federal Energy Regulatory Commission (FERC)
World Bank
World Energy Council (WEC)

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