

## European Solar and Energy Storage Solutions

# Guyana industrial energy systems eurasia



## Overview

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Does Guyana have a gas-to-energy project?

Kaieteur News - Three international companies from Germany, Puerto Rico and the USA have responded to a request for proposals (RFP) from the Government of Guyana for the operations and maintenance (O&M) of the Gas-to-Energy (GTE) 300-megawatt (MW) power plant project. An artist's impression of the Gas-to-Energy project.

Which recommendations are applicable for Guyana's gas to power project?

The following recommendations are therefore applicable for Guyana's gas to power project. Adequate grid infrastructure, policy, and legislative changes are required to ensure that all Guyanese benefit entirely from the gas to power project.

How will a gas to power project impact Guyana?

The gas to power project will have significant transformational benefits for Guyana: The gas to power project is expected to support diversification and a competitive economy. Investment in gas to power generation to lower electricity prices could foster development in new industries and sectors.

What is Guyana Power & Light?

Combined cycle turbines, multiple fuel consumption (including rich and lean natural gas, natural gas liquids and diesel) Power Plant to generate up to 300 MW of power with net 250 MW delivered to the Guyana Power & Light grid at a substation located on the East Bank of the Demerara River.

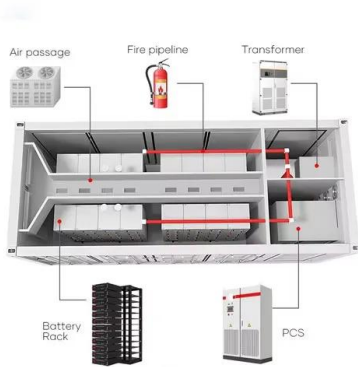
Who owns the electricity industry in Guyana?

The electricity industry is operated by the state-owned electricity company, Guyana Light and Power Inc. (GPL), with an installed operating capacity of 337 MW in 2020 .

Who is responsible for oil & gas exploration in Guyana?

Guyana established a Department of Energy (DE) but this has been dissolved and its responsibilities fully integrated within the Ministry of Natural Resources responsible for the management of the sector. The existing legislative framework in Guyana gives responsibilities to various Ministers in areas related to the exploration of oil and gas.

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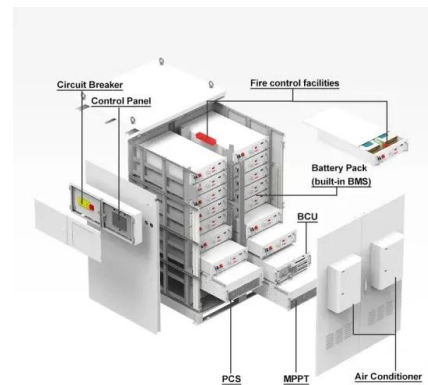


### CSUN Eurasia Energy Systems

-- · Company Overview & It;br& gt;& It;br& gt;CSUN is a NASDAQ-listed leading manufacturer of solar cells and modules and closely affiliated with the renowned China Electric Equipment Group (CEEG), which has long established strategic partnerships with the KME group and DuPont. The CEEG group is one of the top two manufacturers of electrical transformers in China and also ...

### Gas-to-Energy Project set to power economic growth, energy

Guyana's gas-to-energy project involves the development and utilisation of natural gas resources for domestic power generation as well as other industrial and commercial uses. The project is part of Guyana's efforts to tap into its significant offshore natural gas reserves and maximise the benefits for the country and its people.

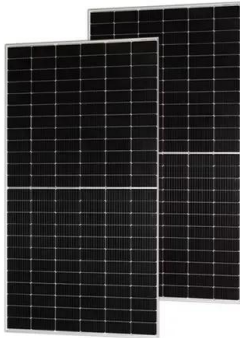


### Gov't seeks company to operate and maintain 300 MW power ...

The Government of Guyana is seeking a company to operate and maintain the 300 MW power plant to be used in the Gas-to-Energy project, set to be commissioned in 2025, alongside related auxiliary facilities. The integrated plant site spans 100 acres within the Wales Industrial Zone, located approximately 25 km inland from the Demerara River.

## WIN EURASIA , Hannover Fairs Turkey

WIN EURASIA Fairs Merged Their Power to Make You WIN More WIN EURASIA fair will be coming together under the same roof between May 28 - 31, 2025 in Istanbul Expo Center, Istanbul. In line with the demands of the sector, the leading trade fairs of Eurasia region will merge their power for 2020 edition. Industrial Energy Systems EURASIA



## Advanced gas turbines arrive from Sweden for GtE project

These gas turbines, which will be at the heart of the Combined Cycle Power Plant generating 300 Megawatts (MW) of electricity, are set to be installed at the project's Gas-to-Energy site in Wales, West Demerara, ushering in a new era of energy efficiency and sustainability for the country.

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## Guyana Energy Profile: Experiencing Economic Boom



## And Growth ...

Inefficient grid systems mean that the GPL loses approximately 26% of its capacity, and the government is embracing microgrids as a potential clean energy solution to meet the energy needs of

## Int'l firms submit proposals to operate and maintain 300 MW

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Three international firms have submitted their proposals to operate and maintain the 300 MW power plant to be used in the Gas-to-Energy project, set to be commissioned in 2025, alongside related auxiliary facilities. On Tuesday, the tendering process opened at the National Tender Administration a

50KW modular power converter



## Demerara-Berbice Integrated System - Guyana Energy Agency

The Guyana Power Study done in 1982 included Amaila Falls as part of Guyana's power generation systems development. In 1997, a review of the pre-feasibility study and Guyana's electricity demand was done, and it reduced the size to 165MW.

## Three int'l firms bid to operate & maintain 300MW power plant

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responded to a request for proposals (RFP) from the Government of Guyana for the operations and maintenance (O& M) of the Gas-to-Energy (GTE) 300-megawatt (MW) power plant project.



## Guyana's Gas to Energy Project and its Implications

Guyana's proposed Gas to Energy project will use natural gas from the country's offshore wells to produce electricity for 68% of Guyana's population--those that are connected to the Demerara- Berbice Isolated System, owned and operated by Guyana Power & ...

## Reshaping Guyana's energy landscape

By harnessing natural gas, Guyana is taking a crucial step toward building a sustainable low-carbon energy future. As the country continues to develop its renewable energy capacity, this project would serve as a bridge, providing reliable and affordable electricity while further advancements are made in other areas, like solar, hydro, and wind



## Bedford Metals Advances Exploration Plans at Ubiquity Lake Amid ...

VANCOUVER, British Columbia, Sept. 02, 2024 (GLOBE NEWSWIRE) -- Bedford Metals Corp. (TSX-V: BFM, FWB: O8D, ISIN: CA0762301012) (the



"Company" or "Bedford") is pleased to announce it has engaged Grander Exploration to assist in the planning of a fall exploration program at the Ubiquity Lake Uranium project. The Company believes its strategic focus on ...

## GREEN TECHNOLOGIES FOR EURASIA'S SUSTAINABLE ...

challenges and helping to reduce the carbon footprint in Eurasia. The focus is on hydrogen energy and energy storage systems, including those applied to the water and energy complex of Central Asia, offshore wind energy, hybrid materials for alternative energy technologies, CO<sub>2</sub> capture, storage and transportation technologies.



## MLEET

Key Achievements of the MLEET Project . The Mainstreaming Low-emission Energy Technologies to Build Guyana's Green Economy (MLEET) Project has made significant progress in advancing renewable energy adoption in Guyana. A key milestone was the signing of an agreement between the United Nations Development Programme (UNDP) and the UNDP ITM ...

## Eurasia - Countries & Regions

Other forms of transformation, such as extracting gas or oil from coal, play a relatively minor role in the energy systems of most countries. Oil refining One of the most important types of transformation for the energy system is the

refining of crude oil into oil products, such as the fuels that power automobiles, ships and planes.

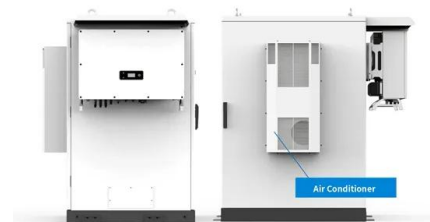


## SHARC Energy Announces Q3 2024 Financial Results , Guyana Industrial ...

VANCOUVER, British Columbia, Nov. 27, 2024 (GLOBE NEWSWIRE) -- SHARC International Systems Inc. (CSE: SHRC) (FSE: IWIA) (OTCQB: INTWF) ("SHARC Energy" or the "Company") is pleased to announce it has filed financial results for the three and nine months ended September 30, 2024. All figures are in Canadian Dollars and in accordance with IFRS

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