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## JAMAICA INSTITUTE OF ENGINEERS

# ANNUAL AWARDS DINNER & GALA

### JAMAICA INSTITUTE OF ENGINEERS TO HOST AWARDS OF EXCELLENCE, NOVEMBER 12, 2022



Godfrey Boyd  
President of the JIE

#### MESSAGE FROM ENGINEER GODFREY BOYD, PRESIDENT, JAMAICA INSTITUTE OF ENGINEERS

The Jamaica Institution of Engineers (JIE) for this 2022-23 Administrative Year will be continuing along the path of the previous year 'Resilience through Engineering - Securing our Future'. We will be looking at the impact of Engineering on the different industries in Jamaica in order to improve our economy and build financial security and to improve the standard of living for the average Jamaican.

Engineering is the application of science and mathematics to solve problems. Engineers figure out how things work and find practical uses for scientific discoveries. Scientists and inventors often get the credit for innovations that advance the human condition, but it is engineers who are instrumental in making those innovations available to the world.

Examination of the countries labelled 'First World' has shown some very vital lessons, including, the application of latest technology to the different industries - just look at the roadways and bridges being built, sometime over, or through mountains and under the sea. Secondly the level of research that has been put into the different industries. It is stated that the USA and China have invested billions of dollars in the development of technology.

To show how engineering has impacted Jamaica, I invite you down memory lane, the rotary dial phones, the ICAS codes, the 'Bricks', or the large cellular phone in the attaché cases. Today with technology, mobile phones are used to do research, banking, entertainment, medical examinations and to communicate with persons around the world.

The nucleus of all the industries in Jamaica is its ability to apply its Engineering knowledge across all spheres.

It starts with the Education Sector with the application of STEAM Education (formerly known as STEM education), an interdisciplinary curriculum designed to motivate students to learn about science, technology, engineering, the arts and mathematics. Developing the young minds to use these tools to solve problems, create innovations and to improve the quality of life.

JIE's charge to the different sectors is that improvements in the various areas will come from the application of engineering technology and processes to help to rethink, retool, reorganize and redirect resources in the correct areas so that efficiency, effectiveness and financial benefits can be gained. Too long have we wasted time, human, and physical resources as well as money (both in foreign and local currency) on inferior goods and services, some that are not even applicable to our economy and environment.

**"Engineering - Driver of Manufacturing, Production, Economic Growth and Health."**

### NOMINATIONS FOR BEST ENGINEERING PROJECT OF THE YEAR 2022

Six impressive engineering projects have been nominated for the JIE Best Engineering Project of the YEAR 2022. They include:

#### CAYMANAS PARK ENERGY PROJECT LOCATION: Caymanas Park, Gregory Park, St. Catherine

PROJECT TEAM CLIENT/COORDINATOR: Supreme Ventures Racing & Entertainment Limited  
PROJECT MANAGER: Aiden Anderson  
CONSULTANT: Hugh Weston  
CONTRACTOR: SolairX



#### SIX MILES TO BLAKE ROAD TRANSMISSION MAIN UPGRADE LOCATION: Kingston

PROJECT TEAM CLIENT/COORDINATOR: National Water Commission  
PROJECT MANAGER: Clark Lowe  
CONSULTANTS: Cole Engineering Ltd.  
SUB-CONSULTANT: National Water Commission  
CONTRACTORS: M&M Jamaica Ltd.



#### CAYMANAS PARK DIGITAL SCREEN LOCATION: Caymanas Park, Gregory Park, St. Catherine

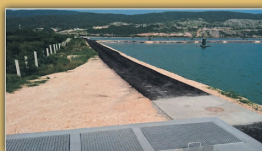
PROJECT TEAM CLIENT/COORDINATOR: Supreme Ventures Racing & Entertainment Limited  
PROJECT MANAGER: Aiden Anderson  
CONSULTANTS: FCS consultants Limited  
SUB-CONSULTANTS: HGT Engineering Limited  
CONTRACTOR: Kencasa Construction Limited

Construction of a 60 ft wide x 50ft high outdoor digital screen designed to withstand Category 4 hurricane winds.



#### GREATER PORTMORE WWTP UPGRADE & REHABILITATION LOCATION: Greater Portmore, St. Catherine

PROJECT TEAM CLIENT/COORDINATOR: National Water Commission  
PROJECT MANAGER: Kieran Cadogan  
CONSULTANTS: Fluid Systems Engineering Ltd  
SUB-CONSULTANT: Gurney Environment  
CONTRACTORS: Build-Rite Construction Co Ltd  
SUB-CONTRACTORS: Caribcoast Systems, SF Pump Specialists, Naksh Construction, ProManEng Co Ltd.



#### JPS 10MW COMBINED HEAT & POWER (CHP) ENERGY FACILITY LOCATION: Hill Run St. Catherine

PROJECT TEAM CLIENT/COORDINATOR: Jamaica Public Service  
PROJECT MANAGER: Fitz Anthony Blair  
CONSULTANTS: Black and Veatch (USA), Hatch Engineering (Canada)  
SUB-CONSULTANT: CL Environmental  
CONTRACTORS: IMCA Virtual Engineers, Leecorp Ltd, Wilson's Engineering Works, EMRIC Solutions, El Mec  
SUB-CONTRACTORS: Various



#### PORT ROYAL STREET COASTAL REVETMENT LOCATION: Port Royal Street, Kingston

PROJECT TEAM CLIENT/COORDINATOR: Jamaica Social Investment Fund  
PROJECT MANAGER: Graham Jarvis  
CONSULTANTS: CEAC consultants  
CONTRACTORS: S&G SMITH WARNER JV Ltd.



### JIE AWARD FOR EXCELLENCE IN ENGINEERING, 2022



Engineer David Anthony Yorke Smith, having earned a Government of Jamaica Scholarship to the University of the West Indies, St. Augustine campus, graduated in 1971 with a Bachelor of Science Degree (Honours) in Civil Engineering and has subsequently distinguished himself in the profession.

He has worked with the Ministry of Communication and works in the Public Works Department (PWD), trained the technical personnel at the Parish Councils in structural engineering design and hydraulic engineering design and earned a Commonwealth Scholarship to pursue higher engineering studies, graduating from the world-renowned Imperial College of Science & Technology, University of London in the United Kingdom with a Master of Science in Civil Engineering Hydraulics.

With Engineer Dr. Vincent Lawrence as his mentor, Engineer Smith was encouraged to apply for the Samuel McLaughlin Fellowship, Queen's University and was awarded this fellowship in 1976 to pursue a Doctor of Philosophy (Ph.D.) in Coastal Engineering at Queen's University, Kingston, Ontario, Canada. On completion of his Ph.D. in 1979, Engineer Smith returned to Jamaica where he was employed to the Jamaica Bauxite Mining. He was subsequently sent to Budapest, Hungary for 3 months as a part of the Negotiation and Design Team for a proposed smelting plant. After a year at Jamaica Bauxite Mining, Engineer Smith would again find himself teaching, this time as a Lecturer in Fluid Mechanics for two years at the University of the West Indies, Trinidad.

Engineer Smith worked in Canada as a Coastal Engineer in Barbados as the Project Coordinator for the Delcan Coastal Conservation Project - the first of a four-year multidisciplinary endeavour funded by the Government of Barbados and the Inter-American Development Bank and later, with his fellow coastal engineer Philip Warner in 1995 they launched Smith Warner International.

Over the years, Engineer Smith has developed exemplary expertise in Beach Design, Creation and Stabilization, Environmental Impact Assessment and Shoreline Planning.

Engineer Smith is currently the Director of Quality & Innovation at Smith Warner International and a Senior Lecturer (part-time) in the Faculty of Engineering, UWI, Mona, in Coastal Engineering and Fluid Mechanics. He has authored and presented several technical publications on a variety of related topics.

### JAMAICA INSTITUTE OF ENGINEERS, NEW FORTRESS ENERGY CONTINUE PARTNERSHIP FOR ENGINEERING STUDENT OF THE YEAR AWARDS

Three top-performing students from the Island's tertiary institutions which offer engineering programmes will be recognised for their hard work when they are awarded the prestigious Jamaica Institution of Engineers/New Fortress Energy (JIE/NFE) Engineering students of the Year Awards at the JIE Awards dinner and gala at the Jamaica Pegasus Hotel on Saturday, November 12, 2022. The Awards are the product of a Memorandum of Understanding (MOU) signed between the two bodies in 2020 for a two-year partnership. New Fortress Energy is the Platinum sponsor of the event.

The JIE/NFE Engineering Student of the Year Awards are open to all final-year students studying in engineering discipline at the University of the West Indies (UWI) Mona and St. Augustine campuses, the University of Technology Jamaica (UTech) and the Caribbean Maritime University (CMU). The student with the highest Grade Point Average from each institution will be awarded trophy during the JIE's Annual Awards Dinner and Gala. The three winning students will also be the opportunity to complete an internship with New Fortress Energy, learning the ins and outs of liquefied natural gas.

Since entering the Jamaican market in 2016, NFE remains focused on STEAM education as the pathway to create the next generation of leaders and innovators. Recognising the critical importance of the engineering discipline in intellectual development, technological advancement and the overall economic strength of an economy, NFE has extended over one hundred and thirty tertiary engineering scholarships to the most high-performing students at the three universities, as well as established the first cryogenics engineering course in the island in partnership with the UWI Mona. The MOU with the JIE is further testament to NFE's commitment to helping to grow and develop the LNG sector in Jamaica.

To date, New Fortress Energy has invested close to J\$80M in tertiary scholarships to students at UWI, UTech and CMU. At the end of this year, NFE would have awarded over J\$520M in tertiary engineering scholarships in Jamaica. The LNG provider also launched its Summer Engineering Internship programme in 2021, and so far, close to fifty students have interned at the company's LNG plants located across the island.

#### Thank You Sponsors

The Jamaica Institution of Engineers (JIE) thanks the following sponsors for their kind support:



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