



# Energy International Report

THE NEWSLETTER FOR THE EMPLOYEES AND FRIENDS OF ENERGY INTERNATIONAL CORPORATION

SEPTEMBER 2022

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EIC report is published four times a year by and for the employees of Energy International Corporation and their friends and associates in the business. All inquiries should be sent to: [jpeter@energyintl.com](mailto:jpeter@energyintl.com).

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## Back to Normal

It seems like forever since the world was shut down by a rogue virus. It's hard to believe that the same virus that was shutting down operations in the Middle East was also affecting our employees and supplier-partners in the U.S. and UK. While the virus is still a concern, it looks like the worst seems to have past, it's back to business around the globe. We haven't published our Energy international newsletter since the Summer of 2020 and feel it is now time to for a relaunch. I feel the Energy Newsletter is a vital tool for our company as it keeps our employees in our office throughout the Middle East abreast of what others are doing in their markets. It is also an important public relations vehicle to inform our supplier-partners on what we have been doing on their behalf. I have brought John Peter out of retirement to work part-time publishing our newsletter. Please keep him up to date on what is happening in your area so we can make the newsletter a success. As always, this issue covers some of the important events that happened over the last year. It also looks at some of our most recent projects, new people joining the company and features new product from our suppliers. Read it, enjoy it and pass it on to those you feel will find it interesting.



## Be a Part of the Energy International Report

The EIC Report is designed to keep everyone at Energy International informed about the happenings at EIC, from the acquisition of multi-million dollar contracts to the latest additions to the EIC family. We need your participation to help make it a success. If it's of interest to you, it's of interest to us. We'd also like to know what you think about the newsletter content and format and how we can make it better. Send all your news, information, thoughts and ideas to [jpeter@energyintl.com](mailto:jpeter@energyintl.com). I look forward to hearing from you.



## Training Camp

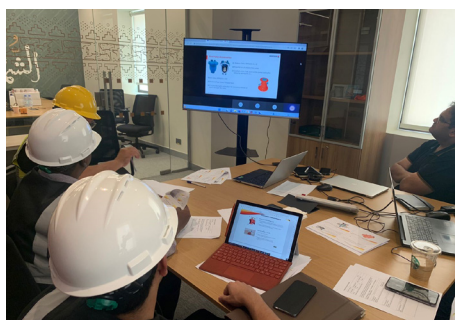
### ***EIC-Riyadh provides technical training to the DGDA***

The Engineering staff at Energy International Controls (EIC), Riyadh gave a technical presentation and training session to members of the Diriyah Gate Development Authority (DGDA) at their Riyadh, KSA office.

EIC Riyadh is supplying Armstrong chilled water pumps and fire pumps to a phase of the Diriyah Gate project.

The presentation covers all of the technical aspects of pump installation, operation and maintenance for Armstrong pumps and systems.

Diriyah holds great significance as it was the home of the first Saudi royal family. The scope of the Diriyah Gate project is to transform the historic city of Diriyah into a global tourist destination supporting the national tourism strategy as part of Vision 2030. Energy International Controls is the authorized distributor for Armstrong pumps in The Kingdom, providing product and technical assistance to project throughout the Middle East. 🇸🇦



**EIC Riyadh invited the DGDA to their Riyadh office for a deep dive into the workings of Armstrong chilled water and fire pumps.**



## Energy International Jordan to Supply A/C System to Commercial Project

### ***The Noor Tareq Building is being constructed near Amman's 6th Circle.***

Energy International Jordan has been selected to supply an air conditioning system to the construction of the Noor Tareq project.

Tasco Jordan is currently completing the skeletal work on the new commercial building that is being erected on an 11,000 square-meter plot in Amman's 6th circle, located in the western part of the city.

The organically-inspired design features a multi-story curved main structure that will be home to high-end retail stores, restaurants and a plastic surgery clinic, among others.

A multi-level terrace fills the courtyard offering shoppers a pleasant outdoor experience with walkways, a pergola and plenty of greenery.

Energy Jordan is designing and installing the a/c system with a total capacity of 33 HP. 🇮🇪



**The Noor Tareq features a multi-story curved main structure facing a multi-level terrace with walkways and garden spots.**





## Energy Industrial and Twin City Fan Join Forces

*Joint venture partnership will offer TCF products to customers throughout the Middle East region*

**E**nergy Industrial, Energy International's manufacturing division located in Sharjah, UAE, has signed an agreement to form a joint venture (jv) manufacturing company in the United Arab Emirates.

The new company will produce a complete range of Twin City Fan products and will service the entire Middle East region.

"We are very pleased to have a new manufacturing base in the Middle East where the business has been booming in recent years," said Mike Barry, CEO and President of Twin City Fan Companies. "It demonstrates our commitment to continued growth in the international market and better serve our global customers. This will leverage our technology, brand name and partnership."

Energy Industrial is an experienced manufacturing company having produced many HVAC components in their Sharjah-UAE facility for more than four decades.

Ned Fawaz, CEO of Energy Industrial commented, "Energy Industrial has been



doing business in the Middle East for more than 40 years. It is a win-win for both Twin City Fan and Energy Industrial, to build upon each other's strengths. We are very much looking forward to a bright future with this joint venture."

Energy International Corporation, with offices in KSA, Qatar, UAE, Jordan and Lebanon, is the authorized distributor for Twin City Fan & Blower in the Middle East. ■



(Left to right in top photo) Wissam Fawaz, VP Energy Industrial, Mike Barry, CEO and President of Twin City Fan Companies, Dr. Nawaf Fawaz and Larry Tan, SVP and GM, International Operations at Twin City Fan Companies, Ltd., pose after signing the agreement to create Energy Twin City. Dr. Ned Fawaz, CEO of Energy International Corporation (left in photo above) congratulates Mike Barry on the forming of the new fan company that will provide quality Twin City products to the Middle East market.

## New Faces at Energy International



EIC welcomes Ibrahim Odeh (left) and Ahmad Al Bader (above) to the Energy family.

**Ibrahim Odeh** has joined the Energy International Jordan office as Marketing and Sales Engineer. Ibrahim holds a Bachelor of Science degree in Mechanical Engineering from University, Balqa Applied University Faculty Engineering Technology in Jordan. Ibrahim comes to Energy Jordan from the Jordan Water Company Miyahuna where he served as a Mechanical Engineer Trainee.

**Ahmad Al Bader** has joined the Dammam, KSA office as a Sales Engineer. Ahmad is a Saudi native who attended the Purdue University Northwest School of Engineering Technology, USA, where he received a Bachelor of Science in Mechatronics Engineering Technology and a Master of Science in Industrial Engineering Management from Purdue University Northwest School of Engineering Technology USA. ■



## Energy International UAE Receives Award from Siemens International

*Energy International signs agreement to become the exclusive distributor for Twin City products in the Middles*

Energy International UAE was honored to receive the award for "Best Newcomer from Siemens International for excellent performance and project execution in the year 2021-2022.

The award was presented to Khalil Bilan, Energy International General Manager, UAE and Taher Jamali, Product Development Manager at Energy International. Energy International is the authorized distributor for Siemens valves and actuators in the UAE and KSA markets. ■



A Siemens representative (right in photo above) presents Taher Jamali with the Best Newcomer Award for Excellent Performance and Project Execution. Accepting the award with Taher is Wissam Fawaz, VP of Energy Industrial and Khalil Bilan, General Manager, Energy International UAE. Khalil and Taher (in photo at left) show their award.

## EIC To Deliver Electric Buses to Red Sea Project

*The Eurabus electric buses are part of the Kingdom's plan to create a 100 percent sustainable environment*

Energy International Corporation and its Kingdom of Saudi Arabia division, Energy International Controls, is delivering seven Eurabus electric buses to the Red Sea Development Company for the Red Seas Resort Project.

The seven electric buses are the first phase of a project that will eventually deliver 260 units to the resort.

E-bus specialist Eurabus, headquartered in Berlin, Germany, will manufacture the all-electric modular buses that are 100 percent emission-free with a range of 600 km per charge.

The buses will be used to transport tourists and workers around the massive Red Sea Resort being built along the Red Sea in northwestern area of the Kingdom.

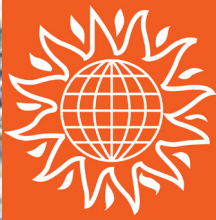
The electric buses will play an integral part in Vision 2030, the Saudi government's strategic framework to reduce the country's dependence on oil by diversifying its economy and develop public service sectors such as health, education, infrastructure, recreation and tourism.



Eurabus features lightweight, aluminum, modular construction, ease of charging and the longest range in the industry.

The Eurabus electric buses will help The Red Seas Development Company reach its goal of making The Red Sea Resort 100 percent sustainable. ■





## King Salman Maritime Complex - Ras Al-Khair, KSA



### Delivering the Goods

#### *Energy International provides HVAC & Fire Safety components to major KSA Shipyard Project*

The King Salman International Complex for Maritime Industries and Services is a 4.96 square kilometer (1,230 acre) complex located at the port of Ras Al-Khair in the eastern region of Saudi Arabia, 80 kilometers north of the country's industrial hub Jubail Industrial City.

Envisioned as a world-class shipyard, the project features a maritime complex comprised of seven fully-equipped dry docks, two basins and five piers, a ship lift system, workshops, warehouses and utility service areas, as well as office buildings, living quarters and recreational facilities for more than 10,000 workers.

The project, estimated at \$4.6 billion, is a joint venture between the Saudi Arabian Oil and Gas Company (ARAMCO),

National Shipping Company of Saudi Arabia, South Korean Shipbuilder Hyundai Heavy Industries and Maritime Offshore Limited, is part of the country's economic and industrial development plan, which aims to reduce its dependence on oil and petrochemicals and increase the gross domestic product by \$17 billion.

Chinese construction and engineering company SEPCO was awarded the contract to build a manufacturing

Energy International is supplying a number of HVAC and fire safety products to the construction of the warehouses as part of Maritime Yard Project Package 4, 5 & 6.

Energy's offices in Damman, KSA and Abu Dhabi, UAE worked together to secure orders for roof exhaust fans, variable air

valve's (VAVs), valves and basket fans.

"The HVAC items were sourced through the Abu Dhabi office and General Manager Khalil Bilan with orders placed through subcontractor SKM Air Conditioning in the UAE, said Marwan Mroueh, Area Manager, EIC Damman, KSA. "Our office in Damman will provide support on site during construction and installation."

Twin City Fan & Blower supplied TUB Upblast Tubeaxial Roof Ventilators and BCRD Centrifugal Downblast Roof Exhausters.

Both units are designed for general-purpose ventilation for commercial buildings such as the warehouses, workshops and utility buildings at the maritime complex.





## Featured Projects

### The King Salman International Complex for Maritime Industries and Services

The fans are manufactured at Energy Twin City, a joint venture company located in Sharjah, UAE.

The joint venture, announced in November of 2021, partners Twin City Fan & Blower with Energy Industrial (Energy International's manufacturing arm) to produce a complete range of Twin City Fan products servicing the entire Middle East region.

Siemens provided pressure independent control valves (PCIV) to the project while WATTS provided static balancing valves, metering stations and strainers.

The valves are an integral component of large ventilation and air conditioning plants providing control on the water side, fine tuning the system flow to reduce energy usage and monitor the system to keep it operating at its most efficient.

The intense summer heat in the Middle East can make for a very uncomfortable work environment. Unlike office buildings and small workshops, the warehouses and larger shops are difficult to air condition.

To solve that issue, Energy International called on Vostermans, a fan manufacturer in the Netherlands, to supply Multifan basket fans. These fans are specifically designed to provide optimal air circulation for commercial and industrial applications, creating a better work environment.

The project will utilize six different models with single phase and three phase motors.

Mroueh's office in Dammam secured the order for BLE smoke curtains through the Al Kuhaimi Metal Industries based in Dammam, KSA.

"We have a strong working relationship with the Al Kuhaimi management," said Mroueh, "who consider Energy International for every project they bid on."

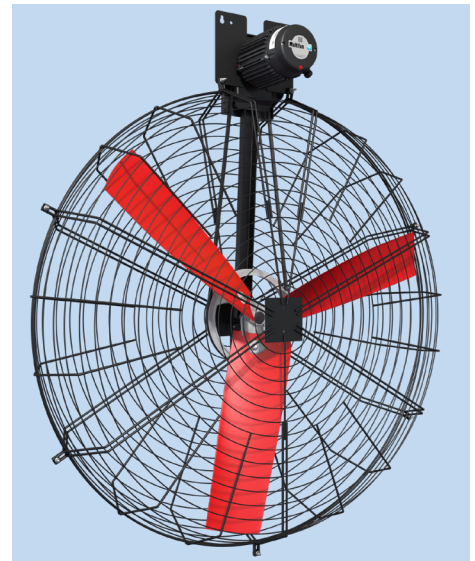
Energy International is the authorized



distributor for BLE smoke and fire curtains in the Middle East. EIC has worked with BLE on several projects in the KSA and UAE.

Energy International and BLE technicians work together to design a bespoke system that will meet the requirements of the project.

Energy International will oversee the installation testing and commissioning of the system. ■

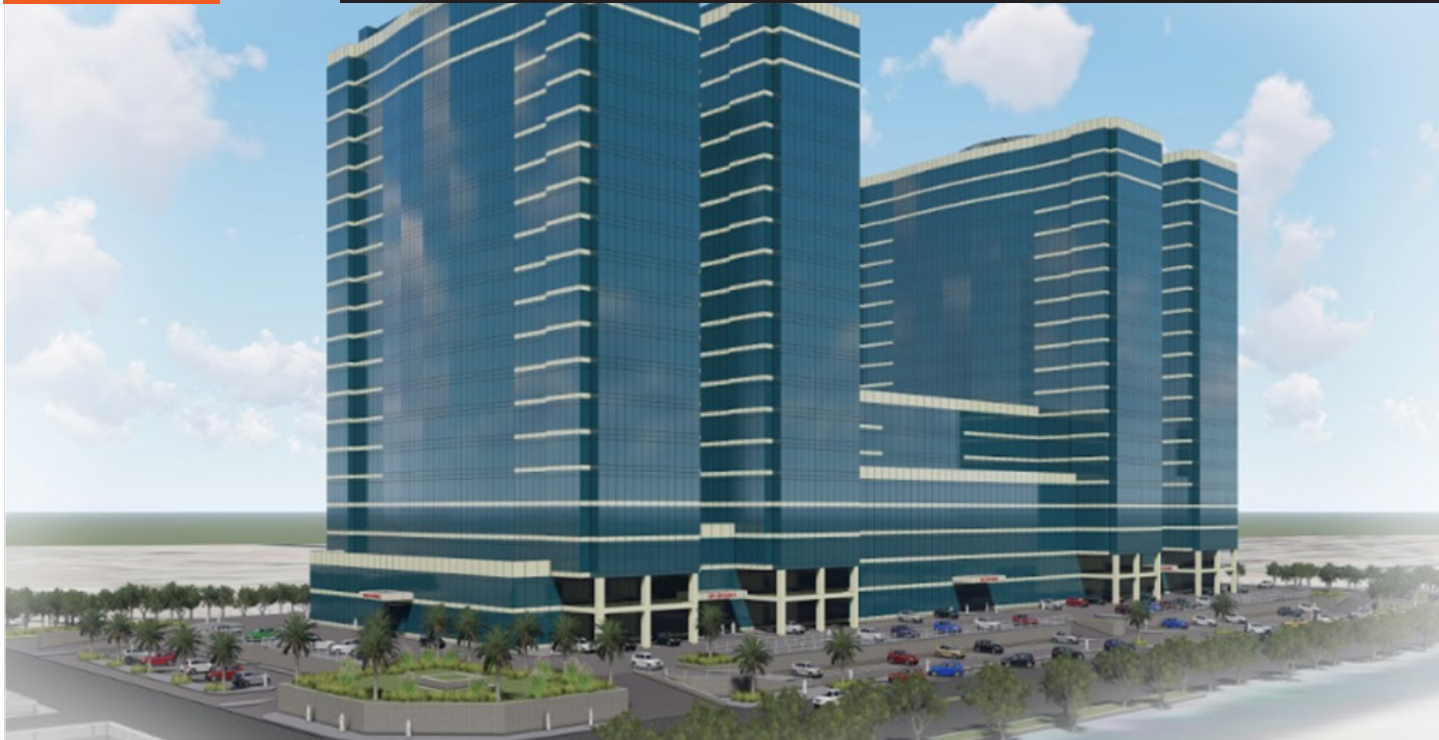


The King Salman Maritime Complex (top) will house manufacturing facilities for marine engines, rigging, shipping platforms and include a large shipbuilding facility. Twin City Fan TUB roof exhaustors (above left) and Multifan basket fans (above) will work together to create a comfortable working environment in the various manufacturing facilities and warehouses.

***"We have a strong working relationship with the Al Kuhaimi (Metal Industries) management (the smoke curtain contractor) who consider Energy International for every project they bid on." -Marwan Mroueh - Area Manager, EIC Dammam, KSA***



## HMG Hospitals - Jeddah and Riyadh, KSA



# Building a Healthier Kingdom

## *Energy International- Riyadh supplies HVAC and fire safety products to the construction of new hospitals in Jeddah and Riyadh*

The Dr. Sulaiman Al Habib Medical Services Group (HMG) is the largest private sector healthcare provider in the Kingdom of Saudi Arabia providing a range of medical services throughout the Kingdom of Saudi Arabia and the surrounding region.

HMG currently operates seven hospitals in the Kingdom of Saudi Arabia and Dubai, UAE, a medical center in Bahrain, a dozen pharmacies in Saudi Arabia and one pharmacy in Dubai, UAE.

The Dr. Sulaiman Al Habib Medical Services Group is one of the major players in the Kingdom's Vision 2030 initiative.

A key pillar of Vision 2030 is improving access to quality healthcare and building a world-class infrastructure to meet a growing demand for improved local healthcare services.

The Dr. Sulaiman Al Habib Medical Services Group is answering that call with the announcement of the construction of two new state-of-the-art medical facilities in the Kingdom.

Saudi Aircon Electromechanical Contracting has been contracted to build Southwest Jeddah Hospital.

Southwest Jeddah Hospital, with an estimated built-up area of 211,679 square meters, is designed as an integrated hospital providing a range of healthcare services through 245 clinics and 300 beds.



Shamal Al Riyadh (top) consists of two towers with 22 floors and four basement levels with a capacity of 600 beds. Both hospitals will be equipped with a GEEU 7858 ecology unit. The units are designed and built by EIC's Green Energy division in the UAE and feature high-quality components including Purified Air commercial kitchen electrostatic precipitators (ESP) and filtration components.





## Featured Projects

HMG Hospitals - Jeddah and Riyadh, KSA

Masah Specialized Construction Company has been contracted to construct a hospital in the Alsahafa District of Riyadh.

Shamal Al Riyadh will be a multi-specialist, high-rise hospital constructed on an area 383,200 square meters. The state-of-the-art facility consists of two towers with 22 floors and four basement levels with a capacity of 600 beds.

Energy International Controls is supplying both hospitals with fans, ecology units and fire curtains.

"The orders were sent to us directly from the owner, Dr. Sulaiman Al Habib Medical Group," said Omar Kerdi, Project Sales Engineer for Energy International Controls - Riyadh. "We have been working with them since the release of the tender on the design and selection of fan models to help them meet their requirements. Because of that relationship the owner decided to purchase the products directly from us."

Twin City Fan & Blower, headquartered in Minnesota, USA, is supplying the fans to the project.

The Southwest Jeddah hospital design calls for 225 units in eight different models covering everything from utility blowers, to smoke & heat units, general ventilation fans, roof exhausters and fans designed to remove grease-laden air used in commercial kitchen applications.

The Shamal Al Riyadh design required 206 units spanning seven different models.

Energy International Controls is the authorized distributor for Twin City Fan & Blower who offers the most complete range of OEM solutions in the market.



Jeddah South hospital (above) has a capacity of 300 beds. EIC engineers provided the HVAC design which includes Twin City fans like the BSI Inline unit (right that is an integral component of the HVAC system).

EIC – KSA worked with Energy's Green Energy division to source ecology units for each of the hospitals.

Green Energy's GEEU 7858 ecology units are designed and built in the UAE and feature high-quality components including Purified Air commercial kitchen electrostatic precipitators (ESP) and filtration components.

BLE Smoke & Fire curtain, headquartered in the UK, is supplying fire curtains for both hospitals.

Energy International Controls has worked with BLE on many projects in The King Abdulaziz Center for World Culture



and Jabal Omar.

EIC technical experts work alongside BLE engineers to design a bespoke fire curtain system to meet the requirements of each hospital.

Energy technicians will be on site to supervise the installation, testing and commissioning of the fire curtain system. ■

***"The orders were sent to us directly from the owner, Dr. Sulaiman Al Habib Medical Group. We have been working with them since the release of the tender on the design and selection of fan models to help them meet their requirements. Because of that relationship the owner decided to purchase the products directly from us."***

***- Omar Kerdi, Project Sales Engineer for Energy International Controls - Riyadh***



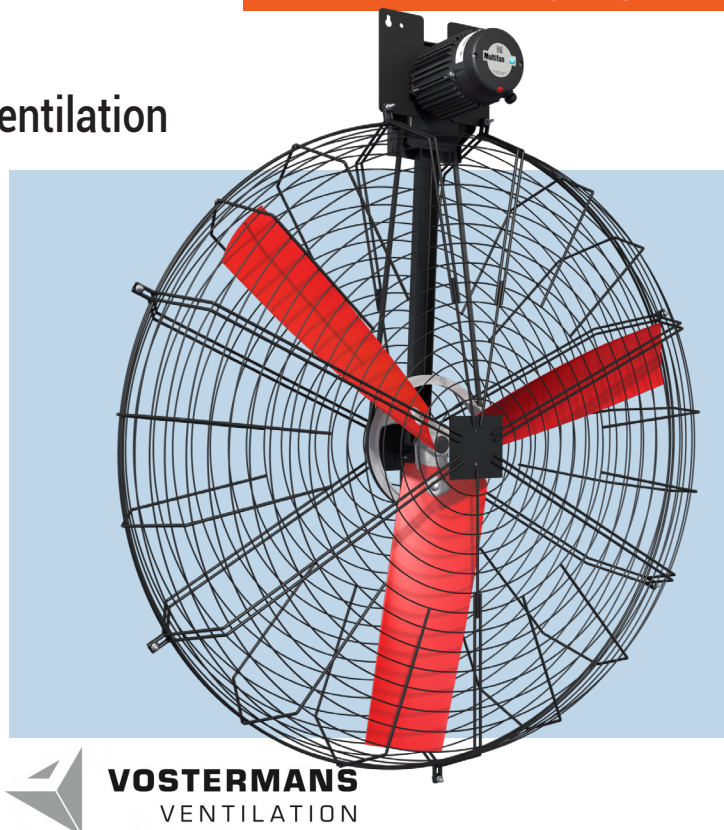


### Multifan Basket Fans by Vostermans Ventilation

Multifan Basket fans are often used for cooling applications due to the strong air flow generated by the fans. The high air velocity creates a pleasant wind chill effect during hot days. Compared to other circulation fans, basket fans cover a wider area creating a uniform indoor climate. Multifan offers a wide range of energy-efficient circulation fans for the agricultural, horticultural and industrial markets.

#### KEY FEATURES

- Available range: 50, 63, 71, 92 and 130 cm
- High level of air movement: up to 46.300 m<sup>3</sup>/h at 0 Pa
- High throw: up to 142 meters
- Frequency and transformer controllable
- High efficiency: up to 15,7 Watt /1000 m<sup>3</sup>/h
- Low noise
- IP55 motor (water and dust resistant)
- CE-wire guards for 50, 63, 71 and 92 cm Basket Fans



### Siemens VP146 Pressure Independent Control Valve

Siemens pressure independent control valves integrate three functions into a single device and have the unique advantage of always maintaining their full stroke, regardless of the maximum adjustable flow setting.

VP146 PCIVs are used in ventilation and air conditioning plants for control on the water side and automatic hydraulic balancing of terminal units, such as fan coils, induction units, and in heat exchangers for heating or cooling. They can also be used in heating zones like self-contained heating systems, apartments, individual rooms, etc., and for closed circuits

#### KEY FEATURES

- With integrated differential pressure controller
- DN 10...DN 32: Valve body made of dezincification resistant hot-pressed brass (DZR)
- DN 40...DN 50: Housing made of spheroidal graphite iron · Volumetric flow 30... 11500 l/h,
- Differential pressure range 15...600 kPa
- Internally threaded Rp conforming to ISO 7-1
- Externally threaded G conforming to ISO 228-1
- Version with pressure test points for  $\Delta p$  measurement (optional)
- Can be equipped with electro thermal or electromotive actuators

