



# Energy International Report

THE NEWSLETTER FOR THE EMPLOYEES AND FRIENDS OF ENERGY INTERNATIONAL CORPORATION

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## Spring Brings New Beginnings

Spring has arrived in Michigan, and with it comes a renewal of life as the grass turns green, flowers poke up out of the ground and the trees begin to fill out in green leaves. Energy is experiencing a renewal as well. We have moved our corporate headquarters to a new building in Bingham Farms, MI. Our old building in Canton served us well for 37 years but we felt it was time for an upgrade. EIC has also launched a new division, in the transportation industry. Energy International Global's first project is to deliver a fleet of zero-emission, all-electric buses to Red Sea Global. Our buses provide the same services as conventional vehicles while helping to reduce the carbon footprint. Energy International Controls, our KSA operations are also playing a role in growing Saudi Arabia's tourism by providing quality products to the construction of a new resort in AlUla. This is just the beginning of many new projects coming down the pipeline. A special welcome to all the new employees who have joined the company over the past year. We appreciate you choosing Energy International and look forward to many successes as you build your career. Please feel free to share this newsletter with your customers and clients. Wishing you all the best.

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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## 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.



## Energy International Corporation Relocates Corporate Headquarters

**New office will allow EIC to better serve clients and customers**

**E**nergy International Corporation started the new year off on a positive note announcing the relocation of its corporate headquarters from Canton, Michigan to Bingham Farms, Michigan.

Energy International CEO and Founder Ned Fawaz, says the move is the next step in the company's strategy to upgrade operations and increase efficiency.

"Our former headquarters in Canton served us well for the last 34 years," said Fawaz. "Our corporate operations have changed quite a bit over that time. The new facilities will allow us to better serve our clients and customers and provide a much better atmosphere for our current and future employees."

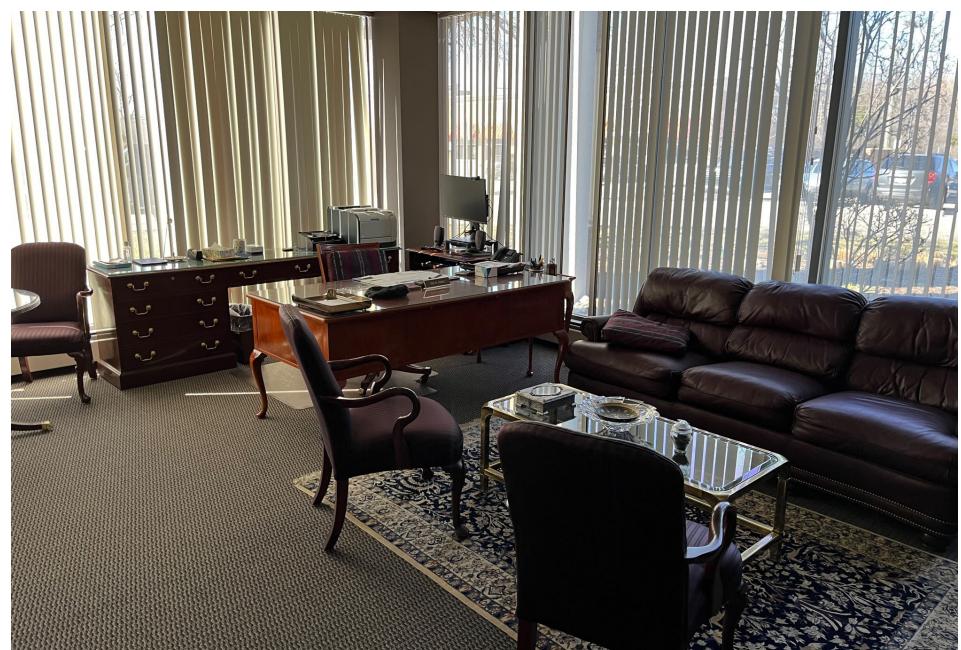
The new headquarters are located in the suburbs about 20 miles due north of the city of Detroit.

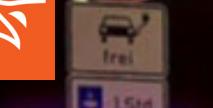
The new mailing address is 30100 Telegraph Rd., Bingham Farms, MI 48025.

The phone number remains the same +1.734.354.2000. ■



Visitors enter a well-appointed reception area (left) with glass doors leading to a conference/meeting room (below right). The new offices are a major improvement over the Canton location with upscale design and light and bright office spaces. Those who have visited the old Canton location will see the improvements.





## Energy International Global to Deliver Zero-Emission Electric Buses to Red Sea Global

**Red Sea Global to be the owner of Saudi Arabia's first fleet of carbon-neutral buses**

Energy International Global is playing a major role in revolutionizing transportation in the Kingdom of Saudi Arabia with the announcement of the sale of a fleet of all-electric, zero-emission buses to Red Sea Global (RSG).

The purchase agreement with Energy International Global will make RSG the owner of Saudi Arabia's first-ever fleet of carbon neutral buses.

RSG, the developer behind The Red Sea and Amaala destinations, aims to enhance Saudi Arabia's luxury tourism and sustainability by offering responsible and regenerative tourist destinations, going above and beyond to not only protect the natural environment, but to enhance it for future generations.

Now, with the purchase of Energy International's electric buses, RSG is taking a bold step towards a cleaner, more sustainable future.

Emission-free transportation aligns with RSG's broader commitment to set the standard for regenerative tourism. A fully clean, green, emission-free transportation network is a key element to achieving the goal of carbon-neutral operations across The Red Sea destination area.

Rami Fawaz, Managing Director of Energy International Global, expressed his excitement about the sale and the impact it will have

on the region. "We are thrilled to be partnering with Red Sea Global on this historic purchase. This marks a significant milestone in the transition to clean energy and sustainable transportation in Saudi Arabia. We are honored to be at the forefront of this movement and look forward to working with more companies in the future to make sustainable transportation a reality."

Energy International Global has a long history of innovation in the region. Parent company Energy International Corporation (EIC) has been supplying quality HVAC, electromechanical and fire safety components and systems to major construction projects throughout the Middle East and North Africa for more than 40 years.

EIC operates out of offices in Lebanon, Jordan, Qatar, United Arab Emirates and the Kingdom of Saudi Arabia representing an impressive list of leading manufacturers including Twin City Fan & Blower, Armstrong Fluid Technologies and BLE Smoke & Fire Curtains.

EIC's Parking & Transportation Division, headquartered in Dubai, UAE, installed the first automated parking system in Dubai in 1988 and currently provides technical support to the Dubai Roads and Transportation Authority (RTA) including the development, installation and management of an automated ticketing system to service the Emirate's bus and rail fleet.



"RSG conducted a comprehensive analysis of the total land, sea and air transport needs to meet the goal of The Red Sea becoming carbon neutral by 2030," said Fawaz. "The need for a fully-green, emission free transportation solution was key to achieving that goal."

Energy International Global, with assistance from the Energy International Controls office in Riyadh, KSA, set up a meeting with RSG to introduce them to the Eurabus 3.0.

"We were able to show RSG how the Eurabus 3.0 met all of their requirements and after a few months of negotiations and with the assistance of Icons Consulting, LLC we were able to secure the order for the first units."

Eurabus, headquartered in Berlin, Germany, is a world leader in clean transportation specializing in the design and construction of sustainable e-city, e-coaches and e-special all-electric buses.

The Eurabus 3.0 Series are state-of-the-art vehicles equipped with the latest in electric propulsion systems and advanced safety features, such as collision avoidance and automatic braking systems.

The initial fleet of seven buses (four 8.5-meter and three 12-meter vehicles) will be used to service regular routes for employees between their homes in the purpose-built Turtle Bay to their jobs at the destination, which will accept guests later this year.

The fleet will grow to become part of a comprehensive fully-integrated mobility network that will include transporting guests in luxury, carbon-neutral vehicles from the destination's international airport to one of 50 resorts and 1,000 residential properties situated across 22 islands.

The Eurabus 3.0 features a lightweight modular aluminum design inspired by aircraft construction. Modular construction delivers a bus that is lighter than competing vehicles while providing a unit that is easier to assemble and repair.

The exterior also features cataphoretic coated exterior, anodized aluminum bumpers and permanent anti-corrosion protection.

Power comes from Li-ion batteries with a total capacity from 350 kWh up to 550 kWh. Its powerful battery eliminates the need for a complex infrastructure allowing operators the benefit of utilizing low electricity rates when charging the buses at night.

The batteries power a permanent magnet motor with continuous power up to 190kW and peak power 260kW (8.5-meter bus) and continuous power up to 260kW and peak power of 370kW (12-meter bus). Top speed is 90 km/h with a range of 250 km.

Charging options include an AC type 2, 63A, 44kW onboard charger or 2\*63A onboard charger, 66 or 88kW. A DC option includes CCS2, up to 500A or 2\*CCS2, 2\*500A. Charging time (full charging) is two to 10 hours depending on defined charging power and battery capacity.

Buses are equipped with Eurabus automotive qualified BMS, functional safety systems and an emergency cut off system near

the driver, rear compartment charging inlet and service disconnect for safe maintenance.

Passengers will enjoy a comfortable ride in a cabin equipped with a full electric HVAC system and tinted windows with UV protection.

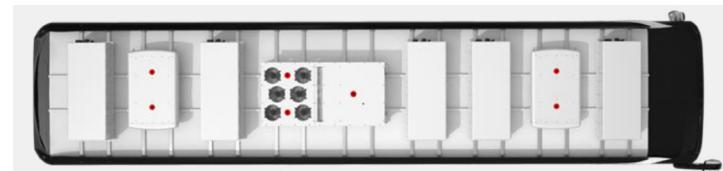
The 8.5-meter buses are configured to seat 22 passengers with standing room for up to 33 additional passengers depending on maximum gross vehicle weight.

The 12-meter models can be configured to seat 26 or 30 passengers (excluding driver) with standing capacity up to 64 passengers, depending on seating configurations.

Both buses have a sufficient number of straps fixed to horizontal handrails. ■



The Eurabus 3.0 18-meter city bus (top) has a seating capacity 64 passengers and a total capacity of 75 to 95 depending on seating configuration. The 12 meter bus can be configured to seat 26 or 30 passengers with a total capacity of up to 64 passengers.



All Eurabus models feature modular aluminum construction creating a strong and light vehicle. Models are equipped with a full electric HVAC system with heat pump and tinted windows with UV protection to ensure a quiet, comfortable ride.



## New Faces At Energy International

It has been a while since we welcomed new members to the Energy International family. There have been a few changes at our international offices over the last year. Please join us in welcoming the new members to EIC.

**Antoine (Anthony) El Khoury** has joined Energy International Corporation as the Manager of Operations. Anthony will oversee the company's estimation, shipping and logistics operations in the Beirut, Lebanon office. Anthony brings 28 years of experience in the HVAC and electromechanical industries to Energy International, most recently as the head of the mechanical department at Saccal Enterprises SAL headquartered in Beirut, Lebanon. Anthony holds a degree in Mechanical Engineering from Faculty of Engineering – Lebanon University.

**Ghassan Jbara** joins Energy International Controls as a Sales Engineer in the Riyadh, KSA office. Ghassan holds a Master Degree in Electrical Engineering from the Lebanese International University - School of Engineering - Tripoli. Prior to joining EIC, Ghassan worked as a Project Sales Engineer for HACE.

**Ala'a Burgol** joins the Jordan office as an installation and maintenance engineer. He holds a Bachelor's Degree in Mechanical Engineering from the University of Jordan. Prior to joining Energy International, Ala'a worked at the Izzat Marji Group where he assisted university students with field training opportunities.

**Bara'a Al-Ramahi** joins the Jordan office as a Technical Support Engineer. Bara'a is a recent graduate of Al-Balqa Applied University Faculty of Engineering Technology where she earned a Bachelor's Degree in Mechanical Engineering.

**Maysa'a Abed** is a Senior Application and Design Engineer who joined the Jordan office in October of 2022. She holds a Bachelor's Degree in Mechatronics Engineering from the Hashemite University in Zarqa, Jordan. Prior to joined EIC Maysa'a was a Design and Technical Support Engineer / HVAC Department Manager for KSB, Georg Fischer, Toshiba Air Conditioning.

**Osama Abu Siam** joined the Jordan office in January of 2022 as a Technical Support and Installation Engineer. Osama holds a Bachelor's Degree in Mechanical Engineering from Al-Balqa Applied University Faculty of Engineering Technology. Prior to joining EIC, Osama worked for Green Gardens Trading Corp. as a Technical Sales Engineer.

**Osama Abdel-Halim** joined the Jordan office as a Sales and Marketing Engineer in January of 2021. He holds a Bachelor's Degree in Mechanical Engineering from the University of Jordan. Prior to coming to EIC, Osama worked as a Sales Support and Development Engineer for SKM Air Conditioning LLC in Sharjah, UAE. ■



Osama Abdel-Halim (top). (Second row left to right) Bara'a Al-Ramani, Maysa'a Abed. (Bottom row left to right), Ghassan Jbara, Anthony Khouri, Ala'a Burgol.



## Roughing It Luxury Style

**Energy International Controls**  
**delivers HVAC components to**  
**the Banyan Tree Resort.**

Saudi Arabia's Vision 2030 is an ambitious plan to reinvent the Kingdom, establishing a thriving economy through diversification and investing in ways to position the country as a global competitor.

Tourism plays an important role in accomplishing much of that vision, not only drawing people and investment from around the globe, but also creating opportunities for Saudi nationals to improve their livelihoods.

While the Red Sea Destination certainly tops the list of tourism projects due to its scale, there are many other projects being built around the Saudi Arabia that are sure to attract visitors to the Kingdom.

Saudi Arabia has a rich history dating back centuries. The Kingdom lists six UNESCO World Heritage Sites in its portfolio, including Saudi's first at the city of Al Ula, an



ancient oasis city located in the northwest desert of the Medina province.

Al Ula provides the ideal setting for one of the kingdom's newest tourist destinations.

Banyan Tree Al Ula is a new five-star resort located in the Al Ula region, a vast desert area located in Saudi Arabia's Madinah Province.

The Royal Commission of Al Ula selected the design studio AW2 in partnership with the French agency for Al Ula Development to design a resort that would be a world class tourist destination.

Banyan Tree offers guests a taste of Bedouin life, enjoying the stunning desert views from luxury tented suites nestled

Banyan Tree Resort guests can wake up each morning looking out at the beautiful desert landscape from the comfort of their private villa. Each villa features a private pool integrated into an outdoor living space with a fire pit.

among the rock formations.

Banyan tree consists of 47 tented suites (28 one bedroom, 15 two bedroom and four three bedroom), with a unique three-tiered design and color palette that allows it to blend into the natural surroundings.

Each suite has a private swimming pool integrated into an outdoor living space set around a fire pit.

Both pedestrian and electric buggy paths connect the tented suites to two garden pavilions, gourmet restaurants, guest areas and outdoor areas as well as a state of the art spa.

Energy International Controls worked with Gulf Cooperation Symbols Contracting Company Ltd (GCS) on the project



## Featured Projects

Banyan Tree AlUla Resort & Hotel

providing exhaust fans and plumbing components to the villa project.

"We were one of the companies that were asked to bid on the project," said Marwan Mroueh, Area Manager – Eastern Province, KSA & Bahrain. "Our quote met their requirements and was within their budget."

Marwan's Dammam-based sales team worked with EIC's Operations team, located in Beirut, Lebanon.

"Our Operations technicians not only supplied the initial quote, but worked with GCS to provide technical documentation and clear all comments to secure approval for the project," said Marwan.

Twin City Fan & Blower delivered four fan models manufactured at their Plymouth, Minnesota, USA facility. Twin City Fan offers the most complete range of OEM fan solutions in the market.

The bill of quantity included DSI (direct-drive) and BSI (belt-drive) square inline centrifugal fans specifically designed for duct applications. These high-efficiency and quiet units are the mainstay of the resort's HVAC system.

Twin City's TL Inline Cabinet Ventilators are constructed with a low profile grille and are available in 12 fan sizes in straight through and right angle discharge. TL units work with the DSI and BSI fans providing a comfortable environment on hot, summer evenings.

TCLBR mixed flow fans are designed for use in commercial kitchen applications. These inline, belt-driven units are specifically designed for exhausting grease contaminated air and discharging it away from building surfaces.

Watts Water Technologies of Andover, Massachusetts, USA supplied several components to the project including grease interceptors and assorted valves.



Banyan Tree guests can dine in comfort at one of the resort's gourmet restaurants thanks to the state-of-the-art HVAC system utilizing Twin City Fan and Watts Water Technologies components. Watts balancing valves (below left) are used to fine-tune the HVAC system to make sure it is working at its peak, especially during hot summer days. Twin City DSI inline fans (below right) deliver the cool air to all the common areas at the resort.



Watts grease interceptors are utilized in commercial kitchens to remove fats, oils and grease from waste water, preventing the substances from entering the resort's plumbing system.

Watts valves are respected throughout



the industry for their quality and durability.

Watts mixing valves, pressure reducing valves and ball valves play an integral role in the workings of Banyan Tree's comfort system, fine tuning the system so it is working at its most efficient all the time. ■

***"Our Operations technicians not only supplied the initial quote, but worked with GCS to provide technical documentation and clear all comments to secure approval for the project." -Marwan Mroueh, EIC Area Manager***



## New Products

### YORK Amichi Series Air-cooled DC Inverter Scroll Chiller and Heat Pump

York has launched a new series of air-cooled, DC inverter, scroll chillers and heat pumps. The York Amichi Series is billed as a no compromise solution delivering industry-leading efficiency, unmatched flexibility, world class sound performance, extensive control capability and long-lasting reliability.

The YORK Amichi is designed to meet tomorrow's efficiency standards today, delivering performance beyond typical chiller and heat pump efficiency levels. The YORK Amichi Series meets or exceeds stringent regulatory requirements through an optimized combination of YORK efficiency-enhancing technologies.

Amichi units maintain efficiency without kits or add-ons down to -17.8 degrees C ambient cooling and -15 degrees C ambient heating. Units offer two sound levels to meet occupant requirements.

Amichi's modular configuration allows for expansion to meet changing building requirements and the small footprint makes them ideal for retrofit applications.

The YORK Amichi Series comes standard with integrated Smart Equipment controls. This technology allows the equipment to connect seamlessly to building controls like York's world-class Verasys system, where smart-enabled equipment can self-identify and interoperate.

Energy International Jordan is the authorized distributor for York in the Jordan market and has an excellent reputation having installed York products to a number of prestigious projects throughout the region. ■



### Twin City Fan & Blower Introduce a New Line of Roof Exhausters

Twin City Fan continues to raise the bar in the HVAC industry with the introduction of new roof exhausters making it easier to select the right model for your application. The new line features upgraded motors and materials to deliver fans that are more efficient to reduce energy consumption, low vibration for quiet operation and engineered with improved durability for longer-lasting performance.

The VC Centrifugal Roof Exhauster is designed specifically for roof mounted applications, exhausting relatively clean air. Fans feature high efficiency, backward curved, non-overloading, centrifugal impellers precisely matched to a deep spun venturi. Impeller sizes range from 8.375 to 12 inches (215mm to 305mm), airflow to 1,450 CFM (2,500 m<sup>3</sup>/h) and static pressure to 1 inch w.g. (250 Pa).

The VCU Centrifugal Roof/Wall Exhauster is designed for general exhaust of contaminated or grease-laden air in roof-mounted or wall-mounted (horizontal) configurations in applications where it is desirable to move the exhausted air away from the building. Impeller sizes range from 8.52 to 16.5 inches (220mm to 420mm), airflow to 3,870 CFM (6,600 m<sup>3</sup>/h) and static pressure to 2 inch w.g. (500 Pa).

The VCUB Centrifugal Roof/Wall Exhauster is designed for general exhaust of contaminated or grease-laden air in roof-mounted or wall-mounted (horizontal) configurations in applications where it is desirable to move the exhausted air away from the building. Impeller sizes range from 12.25 to 16.5 inches (315mm to 420mm), airflow to 4,100 CFM (7,000 m<sup>3</sup>/h) and static pressure to 2.5 inch w.g. (620 Pa). ■





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