



# BUETEN NEWSLETTER



Greetings from BUET Entrepreneurs Network (BUETEN). We are excited to announce that we are going to publish e-newsletters at regular intervals for BUETian Entrepreneurs.

The goal of BUETEN is to promote connectivity and collaboration among BUETian Entrepreneurs, to facilitate their businesses and to promote innovation and entrepreneurship among BUETians. We are hoping that this newsletter will enhance connectivity and collaboration opportunities by publishing news, events etc. for the BUETian entrepreneurs.

We seek your cooperation and hope that the BUETians will outperform as entrepreneurs in the coming days.

Regards

**Prof. Md. Shazzad Hosain**

**On behalf of BUETEN Working Group 2024**

## Newsletter Highlights

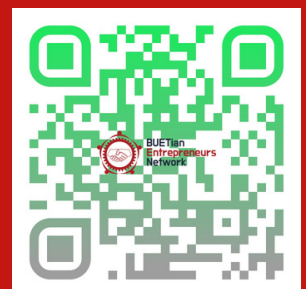
- O.Creeds Ltd.
- RyoGas
- Marine House Ltd.
- Pivot Engineering Ltd.
- Artisan Crafts (BD) Ltd.



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## THE SIGNIFICANCE OF THE 1931 KALURGHAT BRIDGE POISED FOR A TRANSFORMATION

TEAM O.CREEDS Ltd.

It's amazing to see a 90-years old historical bridge refurbished and renovated to carry more weight. BUET, Bangladesh Railway and Max Infrastructure Limited (a local construction company), created integrated rail-road-pedestrian link over the Karnaphuly. O.creeds Limited supplied vital field support at key moments.



O.CREEDS Ltd. is honored to work on the "Conducting a Photogrammetric Survey, Visual Inspection, Solar Survey, Environmental and Social Survey, FGDs, and Klis for the Feasibility Study and Detail Design" project with BUET as consultant, O.CREEDS Ltd. as sub-consultant, and MAX Infrastructure as Client: Railway Bangladesh.

This consultancy service is conducting a feasibility study and detail design to allow locomotives and coaches with higher axel loads to cross Bangladesh Railway's Kalurghat Bridge (CD/10 km 1410-1418) with feasible strengthening measures until the new bridge is built. Chattogram, Bangladesh's industrial hub, needs a major transportation infrastructure development to meet its economic goals. Industries and export zones drive expansion in the nation's second-largest city and maritime hub. Making road and rail linkages to important ports affordable fuels future growth and prosperity for all. Now, traffic congestion and connection must be addressed to provide sustained economic prosperity for everybody.

O.CREEDS Ltd. is a Bangladeshi consultancy and research organization specializing in feasibility studies, mathematical modeling, master planning, details design, drone technologies, environmental, water, waste, and climate change consultancy. It has extensive experience building relationships and running projects for Bangladeshi ministries, army, and police.



## EQUITY INVESTMENT OPPORTUNITY FOR RYOGAS – A STARTUP THAT WON BANGABANDHU INNOVATION GRANT 2023

Md. Shazzad Hosain, CEO, RYO GAS SOFTWARE

“Ryo Gas Software”, in short RyoGas, is a startup founded by two BUETians Md. Shazzad Hosain (CSE 95) and Mohammad Serajul Mawla (ME 95) in 2023. RyoGas aims for fuel supply chain automation by introducing IoT (Internet of Things) solutions for fuel (LPG / CNG / Petrol) stations in Bangladesh. It also aims for cashless fuel purchases for vehicle users and corporations. In that process it hopes to bring transparency, efficiency and accountability to the fuel sector of Bangladesh.



RyoGas likes to achieve its goals in three phases. In the first phase, it likes to automate the fuel stations so that fuel station owners can manage their stations efficiently. Second phase, it will connect all fuel stations into a single platform and start cashless fuel purchase for individual customers and corporate vehicles. In the third phase it will develop systems for nationwide monitoring of fuel supply chain for Govt. and other stakeholders.

RyoGas is working to achieve its first phase goals. It has already developed station management system and mobile apps for efficient fuel station management. 40+ stations are using its software solution. Right now, the focus is for seamless integration of fuel dispensers and tanks to the management system and app through IoT devices.

## MARINE HOUSE LTD. JOINS IN STRATEGIC PARTNERSHIP WITH BANGLADESH SHIPPING CORPORATION

**Md. Shamsul Alam, CEO, Marine House Ltd.**

In a significant move, the Bangladesh Shipping Corporation has formalized a strategic collaboration with Marine House Ltd. and two other organizations Relief (Bangladesh) and Technolog GmbH (Germany), marking a crucial step towards enhancing services and capabilities within the maritime sector. Marine House Ltd. (<https://www.marinehousebd.com/>) was established by Md. Shamsul Alam (NAME 95) who is acting as the CEO of the company.



The signing ceremony, held on January 4, 2024, solidifies an agreement where the Bangladesh Shipping Corporation will leverage the expertise and services provided by Marine House, Relief, and Technolog GmbH. This strategic partnership is anticipated to bring about positive transformations in the efficiency and effectiveness of the Bangladesh Shipping Corporation's operations.

The collaboration aims to capitalize on the strengths and capabilities of Marine House, Relief, and Technolog GmbH, contributing to the advancement of Bangladesh's role as a prominent player in the global shipping industry. This move is expected to bring about improvements in service quality, technological integration, and overall competitiveness in the international maritime market.

"We are excited about this partnership with Marine House, Relief, and Technolog GmbH. This collaboration aligns with our commitment to elevating the standards of the Bangladesh Shipping Corporation and contributing to the growth of the maritime sector in Bangladesh," commented Commodore Md. Ziaul Hoque, (TAS), OSP, NDC, AFWC, PSC, BN of the Bangladesh Shipping Corporation.

The joint venture signifies a mutual commitment to fostering a fruitful relationship that will not only benefit the Bangladesh Shipping Corporation but also contribute to the overall development of Bangladesh's standing in the global maritime community. As the collaboration unfolds, stakeholders are optimistic about witnessing positive outcomes and advancements within the shipping industry of Bangladesh.



## AERONESS & IPCO (DHAKA AIRPORT) MEP JOBS” AWARDED TO PIVOT ENGINEERING LTD.

**Md. Ziaur Rahman & Md. Ali Ashraf, CEO, Pivot Engineering Ltd.**

Pivot Engineering Ltd. ([www.pivotengg.com](http://www.pivotengg.com)) established by two BUETian Entrepreneurs Md. Ziaur Rahman (ME 95) and Md. Ali Ashraf (ME 95) in 2007. The business focuses on Engineering, Procurement and Construction (EPC) of balance of plant (BOP) jobs for industrial utility and commercial MEPF sectors. Pivot has become a famous name for thermal energy, water and environment solution providers, thermal energy efficiency improvement and water recycling partner, turnkey erector and fabricator.



Very recently the company is awarded “Aeroness & IPCO (Dhaka Airport) MEP Jobs” for the new terminal of Dhaka Airport. The project works include MEP (Mechanical Engineering and Plumbing) jobs such as WTP (Water Treatment Plant), STP (Sewage Treatment Plant), ETP (Effluent Treatment Plant) and other related works for airport terminal buildings, towers and shopping mall.

Their other successfully completed glorious projects are: 3.3 MW & 6.6 MW Cogeneration Power at Baraka Group, 16 MW Cogen at United Group, 6.3 MW Cogen at Confidence Power group. Turnkey Utility Jobs at Beximco Pharma Unit-III, ACI Healthcare, Boiler Burner Retrofitting Jobs at different textiles of Hameem Group, Masihata Group, ABA Group etc.

## HAZRAT SHAHJALAL INTERNATIONAL AIRPORT T3 EXPANSION PROJECT AWARDED JOBS TO ARTISAN CRAFT (BD) LTD.

Mr. Shahed Hassan Bappu, CEO, Artisan Craft (Bd) Ltd.

“Artisan Craft (Bd) Ltd. established by Mr. Shahed Hassan Bappu, ME 94, is pioneer in Cooling Tower manufacturing Industry in Bangladesh. It manufactures Cooling Tower, Ventilation Fan & Chiller. They uphold the local technology to the international level. It was included in the Country’s mega installation “Hazrat Shahjalal International Airport T3 Expansion Project”.

Apart from this their other notable projects are 3200 TR cooling towers at SDS Textile for their 16 MW power plant at Nabinagar, Savar and 6000 TR Cooling Tower Projects at AB Glass Industries, Bogura.



## O.CREEDS LTD.



CREEDS is a youth Centre of Excellence in Bangladesh that focuses on open-source modeling and sustainable development research, particularly in the context of the country's significant environmental impact. Its goal is to build a sustainable network of experts from partner institutes to increase the capacity of young professionals in Bangladesh and around the world in open-source modeling, design, engineering, and architecture.



Consultancy services for (A) Detail feasibility study (B) Initial Environmental Examination (IEE), (C) Environmental Impact Assessment (EIA) & (D) Social Impact Assessment (SIA) of Raipura 120MWp (AC) Grid Tied Solar Power Plant Project. Raipura, Narsingdi.



Feasibility Study for the Construction of Railway Cum Road Bridge Across River Karnaphuli at Kalurghat Point in the Vicinity of Existing Railway Bridge in Chittagong District.



Assess the flow of waste and develop Excreta Flow Diagram (SFD) and Waste Flow Diagram (WFD) for fifty municipalities of Bangladesh

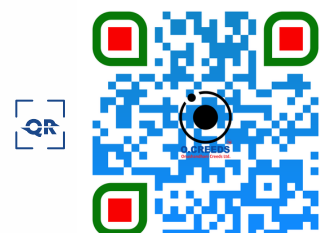


Expansion of Chattogram Shah Amanat International Airport (Design Phase) (EIA-DRONE-TOPO Survey)

*Consulting O'CREEDS continues to grow ever day thanks to the confidence our clients have in us. We cover many industries such as financial, energy, business services, consumer products*

## FOR MORE INFORMATION

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Connecting BUETian  
Entrepreneurs for their  
success and making a  
greater impact for  
Bangladesh economy.

## TOUR GROUP BD



Tour Group Bangladesh belongs to those who have an affection for traveling. We would be delighted to provide support to those who really love to roam around, no matter where the destination is! Let's discover home first & then the earth! Welcome to visit Bangladesh, a land of rivers, high lands with evergreen fields and forests, longest sea beach of the World and many more! Bangladesh is very promising tourism friendly place! It's not only for the exquisite nature but also for the amicable and hospitable.



**Sindabad Tori, Tangua Haor**



**Shurjosnan Twin Beach Resort, Saint Martin**



**Banabash Eco Village, Sundarban**



**Tilagaon Eco Village, Sreemangal**

For booking any resort & services please visit our website - <https://www.resortsbd.com/>

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