

ICME 2025

EXHIBITION

15th

International
Conference on
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Exhibition

On
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Organized by



*Department of Mechanical Engineering
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ACI Motors



LEADER IN BRAND NEW SEGMENT OF CONSTRUCTION EQUIPMENTS & YOUR RELIABLE POWER BACKUP



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15th International Conference on Mechanical Engineering

ICME 2025

17-18 December 2025

EXHIBITION

On
Engineering & Technology



Department of Mechanical Engineering
Bangladesh University of Engineering and Technology
Dhaka-1000, Bangladesh

ICME 2025

17-18 December 2025

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Preface

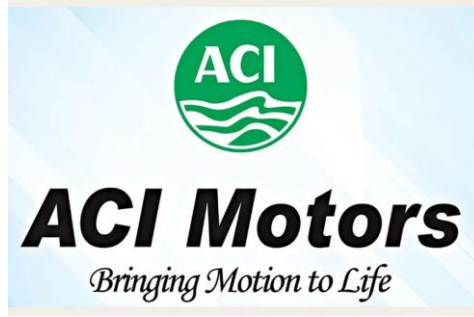
The Department of Mechanical Engineering of BUET has been organizing a biennial international conference since 1995. In Continuation of previous years, the 15th international conference on Mechanical Engineering is being held this year to keep pace with recent technological advancements. The Conference on Mechanical Engineering (ICME 2025 BUET, Dhaka) will provide a wider platform for exchanging ideas, experiences, and research activities in various fields of Mechanical Engineering.

The benefits of all engineering and technological advancements would not reach the end users without the active participation of researchers, designers, manufacturers, and entrepreneurs. As in the previous years, an exhibition on Engineering and Technology has been organized along with this international conference. This exhibition will open the opportunities to demonstrate the products and services that are being produced and marketed in Bangladesh and abroad. It will further provide an opportunity to interact closely with the businessmen, investors, entrepreneurs, equipment manufacturers, and job seekers.

In its closing session, experts from home and abroad will discuss various problems faced by the industrial entrepreneurs and practicing engineers. Finally, some recommendations will be made for the policy-makers. We hope this forum will facilitate the professional development in the fields of Engineering and Technology in the future.

Index

List of Exhibitors/Sponsors	Page No.
ACI Motors	1
ELITE HITECH INDUSTRIES LTD	2
CSRM	3
Smart Fluid Tech	4
TOTAL Water Solution Ltd.	5
SAJ Engineering & Trading Company	6
PROPERTY LIFTS	7
MILNARS PUMP LIMITED	8
BEEVA TECH LTD.	9
DYNAMIC	10
MITHAI	11



Imperial Chemical Industries, a British multinational established a Branch in the then East Pakistan which was converted into a company after liberation, named ICI Bangladesh Manufacturers Limited. In 1992 ICI divested its investment in Bangladesh to the Management, when its name was changed to Advanced Chemical Industries (ACI) PLC.

ACI PLC, being one of the largest conglomerates in Bangladesh with a multinational heritage, operates across the country through its four diversified strategic business units. 'Health Care Division' is dedicated to improve the health of the people of Bangladesh through the introduction of innovative and reliable pharmaceutical products.

'Consumer Brands Division' is adding value to the daily life of consumers through its Toiletries, Home Care, Hygiene, Electrical, Electronics, Mobile, Salt, Flour, Foods, Rice, Tea, Edible Oil, Paints and International Businesses. 'Agribusinesses Division' is the largest integrator in Bangladesh in Agriculture, Livestock, Fisheries, Farm Mechanization, Infrastructure Development Services Motorcycle, Marine & Riverine technology and Avionics. 'Retail Chain Division' is the largest retail chain in Bangladesh operating through its SHWAPNO outlets including 136 newly opened outlets across the country by touching the lives of over 65,000 customers each day. ACI and its subsidiaries contributed Taka 16,732 million to the National Exchequer during FY 2022-2023 in the form of corporate tax, custom duty and value added tax.

ACI Motors was launched in 2007, to propagate a systemic change in the agricultural sector through increased mechanization of the agricultural process. To fulfil this vision, ACI Motors is striving to provide "Complete Farm Mechanization Solution" to farmers by offering a wide range of agricultural machinery - Tractor, Power tiller, Reaper, Combine Harvester, Rice Transplanter etc., covering the full cycle from land preparation and cultivation to crop preservation. ACI Motors entered the Construction Equipment Industry of Bangladesh in 2014 introducing CASE Construction Equipment. ACI Motors also became the distributor of world-famous YAMAHA Motorcycles in Bangladesh in 2016.



Elite Hitech Industries Limited has expanded significantly in size, scale, and diversity. Nowadays, Elite Hitech Industries is one of the renowned air conditioner manufacturers in Bangladesh.

As of now, the Group currently employs more than five hundred people directly and a further one thousand indirectly as suppliers, contractors, dealers, and retailers. This company is introducing more affordable units by increasing RAC (Residential Air Conditioner) & CAC (Commercial Air Conditioner) efficiency, as well as improving components with the latest technology.

Elite Hitech Industries Limited offers a wide range of air conditioning solutions, including split systems, ducted systems, and portable air conditioners. Each product is designed to offer maximum comfort and convenience, with features such as easy installation, low noise levels, healthy filters, and smart controls.

Elite Hitech Industries Limited is also committed to sustainability. The company uses environmentally friendly refrigerants and materials and is constantly looking for ways to reduce its carbon footprint. Elite Hitech Industries uses the best compressors, sheet metal, aluminum foil, copper tube & plastic as raw materials to achieve the highest quality of products.

Our factory ensures eco-conscious manufacturing & environmentally friendly processing using advanced ETP & WTP. All components of their air conditioners are processed with the most up-to-date machinery.

The team at EHIL is committed to ensuring the best in quality standards and living the Group's five core values – Integrity, Excellence, Customer Delight, Innovation and Inspiring People. EHIL has been a partner in the development journey of this nation for more than thirty years now.

The company has set itself the highest standards in responsible corporate behavior and passion for success is aligned with the development of the country. They are committed to playing a leading role in driving growth, prosperity, ethical values, and social responsibility. EHIL continues to serve its customers through unparalleled quality, excellence, and service superiority. Their business success has been complemented by their commitment to the environment and society community. The tagline of Elite Hitech Industries Limited is "Quality performance with cool comfort."



Company Overview

Chakda Steel & Re-Rolling Mills (CSR) Pvt. Ltd. was established in 1992. CSR started production using a single imported hot re-rolling mill, which produced top-quality 40-grade rebar to meet local market demand.

We at CSR always prioritize the quality of the product over everything. This ideology has paid off; with time, the products of CSR started to gain popularity for their top quality. In order to meet this rising demand, CSR has set up its own power plant, the most modern equipment for producing billets, and two fully automated hot re-rolling mills for manufacturing the highest-quality rebar.

We are using a top-tier Magnetic Induction Furnace and Continuous Casting Machine (CCM) to produce our billets. The quality is ensured using an OES (Optical Emission Spectrometer) to check chemical properties and a Universal Testing Machine (UTM) in a very modern physical laboratory to check mechanical properties. Apart from that, our products are sent to BUET every month to make sure that the quality is intact.

As the steel industry is considered in the red area of the environmental evaluation, we have introduced the most modern dog-house system of Air Pollution Control (APC) from China to be in the green area. We are very much keen to use the daylight source of power for the long-term benefit of the industry by saving electricity. We use maximum hot rolling instead of re-heating to save natural resources.

CSR has different-sized B500 DWR, B500 CWR, B420 DWR & B400 DWR rebars. Our re-bar production capacity per month is 21,000 tons. At the moment we are about to complete the installation and commissioning of our new 1000 ton block rolling mill which will lead our production up to 36,000 tons per month from February

2026. To make sure our customers get the products safely and on time, we have a fleet of over 50 vehicles which consists of trailers, trucks, and pickups. Currently, we are working with more than 400 retail and corporate clients throughout Bangladesh, which is continuously increasing.

To us, the quality of our products comes above everything. When using our products, we want our clients to feel extremely secure. By the grace of Allah, the demand for our product has increased ever since. Our goal is to hold on to our commitment by ensuring the quality of our products. Just like our motto, we are indeed committed to better steel and a safer Bangladesh.



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TOTAL WATER SOLUTION LIMITED was established in 2003 to address contaminated water problems. As a leader in this field, we have been providing our customers with world-class water purification equipment and services, innovative design, and cutting-edge technology. Total Water Solution Provided Implementation Work & Supply of Equipment:

1. Reverse Osmosis (RO) Membrane (Toray, Japan)
2. Ultra-Filtration (UF) Membrane (Toray, Japan)
3. Zero Liquid Discharge Plant (Toray, Japan)
4. Latest Biological ETP (JAGER, Germany)
5. RO, UF, NF, MBR Plant (Toray, Japan)
6. All kinds of Cartridge and Bag Filter (Pall, USA)
7. Water Filtration Media (Ion Exchange Resin, Activated Carbon, Manganese Dioxide & Gravels)
8. Water Treatment Plant (WTP)
9. Sewerage Treatment Plant (STP)
10. Energy Efficiency Turbo Blower (Turbowin, Korea)
11. Sludge Dewatering Machine Screw Press (China & Japan)
12. Electro-Magnetic Flow Meter (China & Japan)
13. RO Antiscalant (ROPUR, Germany) *Toray Membrane Europe AG





SAJ Engineering & Trading Company

SAJ Engineering & Trading Company is pioneer of Non-Destructive Testing (NDT), Condition Monitoring (CM), Automation & Control Solution in the Bangladesh Industrial Market, having started its journey in 1998. Since then, we are providing these solutions in different types of industries like power generation, fertilizer, chemical, aviation, shipbuilding, gas production and distribution, cement, welding, paper, sugar, pharmaceuticals, research, and educational institutions. For the automobile and industrial market, we are supplying lubricants, filters, and bearings.

SAJ Engineering & Trading Company is committed to providing the best product selection, consultancy, and product training to customers. With our Knowledgeable, experienced employees, we support our customers in choosing the right product & accessories, solutions based on application. Our team provides technical consultancy and support to our customers for choosing an optimized solution. Not only providing product selection but also, we are providing product presentation and demonstration program with relevant customers. We are supplying a good range of Scientific and Research instruments in universities.



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COMPANY PROFILE

MILNARS PUMPS LIMITED (MPL) has a history of over four Decades. It was originally founded in 1961 in the name of "KSB Pumps Company Limited" as an affiliate of KSB Germany. Its factory was established at Tongi, 20 Km north of Dhaka city on an area covering 3.50 acres.


In 1980, AFTAB GROUP obtained the majority shares of the company and started its operation under the name **MILNARS PUMPS LIMITED**. Since 1999, MPL is wholly owned by AFTAB GROUP.


MPL is involved in the assembly and manufacturing of pumps which are essentially devices for lifting and movement or transfer of water or any other fluid. The company's present yearly production capacity is 20,000 centrifugal pumps, 1,500 deepwell turbine pumps, submersible pumps and high pressure industrial pumps of various design and capacities. MPL also manufactures sluice and non-return valves from diameter 37 mm to 250 mm size.








MPL pumps and its other products are manufactured according to DIN Standard and to highest design melting international quality. Every product has to undergo a comprehensive inspection and test in the company's most modern Test Bed.

Products / Services:

01. Centrifugal Pumps: a) End Suction Centrifugal Pumps, b) Irrigation Centrifugal Pumps, c) Non-Clogging Centrifugal Pumps, d) Stainless Steel Centrifugal Pump, e) Process Pump
02. High-Pressure Multistage Centrifugal Pump: Boiler Feed Pump, Showering Pump, High Lift Pump
03. Bore-Well Submersible Pump, Turbine Pump & Vertical Pump
04. Sluice Valve & Non-Return Valve
05. Semi Rotary Diaphragm Hand Pump
06. Special Graded Steel Product: a) Mn-Steel Stone Crushing Jaw Plate, b) Grinding Component for Cement Factory

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E-mail: <sales@milnarspumps.com> **FACTORY:** Aftab Complex, 89-90 Tongi I/A, Gazipur, Tel: (02) 9815549, 980-2385, **CHITTAGONG OFFICE:** Aftab Center
Golondaz Road, South Kattali, Halisahar, Chittagong. Phone: 01913-529406, **Web:** www.milnarspumps.com, www.aftabgroup.com.bd, www.iftekharulislam.com



BEEVA TECH LTD.

About Us

Beeva Tech Ltd. is the first manufacturer of eco-friendly three-wheel Auto Rickshaws in Bangladesh. Since 2009, we have been designing and producing high-performance, environment-friendly electric vehicles for both domestic and international markets.

Mission

Manufacture eco-friendly three-wheel Auto Rickshaws, delivery vans, passenger rickshaws, electric scooters, bicycles, golf carts, cargo trikes, and ice cream vans.

Provide top-quality performance, branded components, and excellent after-sales service.

Develop e-vehicle series customized to client specifications.

Support international buyers with GSP certificates for 0% custom duty in countries including

EEC, Japan, India, and China.

Vision

The PROAG brand represents the next step in industrial evolution. By combining the best aspects of traditional tri-wheelers with today's advanced technology, Beeva Tech Ltd produces vehicles that are:

Lightweight

Efficient

Fast

Fun to ride

Contact Us

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Email: saidur.btl@gmail.com, siddique@beevatech.com.

Website: BeevaTech.com, Social Media: Beevatech Ltd

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DYNAMIC CARS PLC, BANGLADESH'S LEADING E-RICKSHAW MANUFACTURER.

Dynamic Cars PLC. is a pioneering Bangladeshi electric vehicle (EV) manufacturer specializing in sustainable three-wheeler “e-rickshaw” designed for last-mile mobility. Established in 2017 with a clear mission: to introduce reliable, affordable, and eco-friendly electric transport solutions for Bangladesh. With a strong focus on innovation, durability, and local market suitability, Dynamic Cars PLC. has positioned itself as one of the earliest adopters and promoters of electric mobility in Bangladesh. The company serves delivery providers, rural mobility networks, and small entrepreneurs across the country.

VISION

To lead Bangladesh into a cleaner, smarter, and more sustainable transportation future through accessible and reliable electric vehicle solutions.

MISSION

- To manufacture high-quality electric three-wheelers tailored to Bangladeshi road conditions
- To support the transition to environmentally friendly transport.
- To ensure cost-effective mobility for drivers and operators.
- To encourage domestic EV manufacturing and technological advancement.

CORE PRODUCTS

Dynamic Cars PLC manufactures a range of electric e-rickshaw engineered for:

- Passenger transport
- Freight and delivery services
- Urban and rural road environments

KEY PRODUCT FEATURES INCLUDE:

- Long-lasting components
- Robust chassis for Bangladesh's road conditions
- Energy-efficient electric drive systems
- High passenger comfort and safety

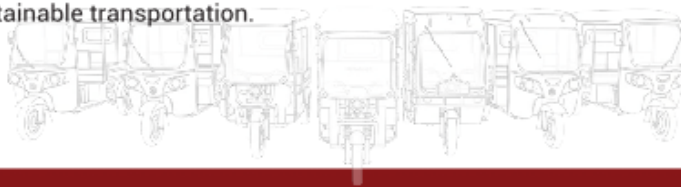
KEY STRENGTHS

- Early mover advantage in Bangladesh's electric mobility industry.
- In-house manufacturing with a modern assembly facility in Gazipur.
- Specialized R&D focused on EV technologies suited to local needs.
- Environmentally sustainable transportation with zero tailpipe emissions.
- Strong technical expertise from a dedicated and skilled engineering team.

Corporate Headquarters: Advance Noorani Tower (8th Floor), 1 Mohakhali Commercial Area, Dhaka – 1212, Bangladesh

Manufacturing Facility: Abdar, Telehati, Sreepur, Gazipur, Bangladesh

Future Outlook: Dynamic Cars PLC. aims to expand its product lineup, strengthen EV component manufacturing, adopt next-generation technologies, and support national goals for green and sustainable transportation.







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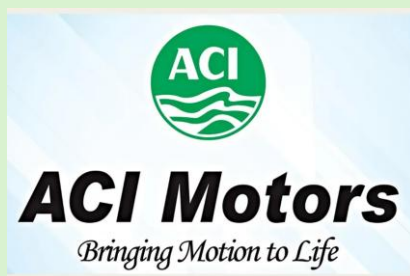
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