



## MD. SHAHJAHAN ALAM

B. Sc. Engg. (Mechanical), Fellow of IEB/11322, MBA, LEED Green Associate  
 Email: [tengineers16@gmail.com](mailto:tengineers16@gmail.com) Mob: +8801882651651

### 1. ACADEMIC RECORD

Name of Exam./Degree	Name of Institute	Year of Passing	Major/Department/Group
Bachelor of Science in Mechanical Engineering abbreviated as B.Sc. Engg.(Mech.)	Bangladesh University of Engineering and Technology, Dhaka. (BUET)	January 2001	Mechanical Engineering
LEED Green Associate	U.S. Green Building Council (USGBC)	24.08.2017	Green Energy
Master of Business Administration (Executive)	University of Science and Technology, Chittagong	July 2010	HRM
Higher Secondary Certificate Examination	Jessore Cantonment College, Jessore	1993	Science
Secondary School Certificate Examination	Gokul Khali High School, Chuadanga	1991	Science

### 2. TRAINING, PROFESSIONAL COURSES COMPLETED

Name of Course Attended	Organized/Arranged by	Duration of Course/Date of Award	Conducted by
Industrial Attachment Training	Mechanical Dept., BUET	01.09.99 to 28.09.99	Office of the Sub-Divisional Engineer (R&H), Workshop Sub Division, Tejgoan, Dhaka, Bangladesh
Metallurgical Quality of Structural Steels	Dept. of Materials and Metallurgical Engineering, BUET	28.07.2001	Dept. of Materials and Metallurgical Engineering, BUET
Sales Management and Salesmanship in a Competitive Market	Bangladesh Institute of Management, Govt. of The People's Republic of Bangladesh	11.06.2006 to 22.06.2006	Bangladesh Institute of Management Chittagong Branch
Thermal Environment and Human Comfort	GrAce (Green Architectural Cell) BUET	18-19.02.18	Architectural Dept. of BUET
ISO 14001: Environmental Management System	Civil Engineering Dept. BUET	13-14 March 18	Civil Engineering Dept. BUET
Fire Safety Workshop for Graduate Engineers	Civil Engineering Dept. BUET	29-31 March 2018	Civil Engineering Dept. BUET

### 3. Membership of Professional Organization

Name of Organization	Membership/CREDE NTIAL No	Category	Address of Organization
The Institute of Engineers Bangladesh (IEB)	F-11322	Fellow	IEB Headquarters, Ramna, Dhaka 1000. <a href="http://www.Iebbd.org">www.Iebbd.org</a>

U.S. GREEN BUILDING COUNCIL	11150745-GREEN-ASSOCIATE	LEED GREEN ASSOCIATE	US Green Building Council, USA. <a href="http://www.usgbc.org">www.usgbc.org</a>
Bangladesh Solar Energy Society	I	Member	Institute of Energy, Energy Park, University of Dhaka, Bangladesh, <a href="http://www.bd-solarsociety.org">http://www.bd-solarsociety.org</a>

#### 4. ARTICLES PUBLISHED

Name of Articles	Publication detail/Date	Published by	Type of Paper/Journal
Green Building & LEED: Bangladesh Context	Date: 14.11.17	The Nayadiganta	National Daily
What Type of Engineers the country wants	Date: 12.10.13 Page: 7	The Nayadiganta	National Daily
Prospect of Shipbuilding in Bangladesh	Engineers Convention 2011	The Forum of Engineering & Architects, Bangladesh	Technical Journal
Prospect of Mechanical Engineering in Bangladesh	Date: 23.06.13 Page: Projonmo	The Ittefaq	National Daily
The Price of Agricultural Goods & the picture of Rural Eid	Date: 30.08.13 Page: 7	The Nayadiganta	National Daily

#### 5. Business Record

Name of Companies	Type of Company	Position	From	To
Triangle Engineers Ltd.	Limited Company registered at Joint Stock	Managing Director	April 2016	Present
Zohura Memorial Technical School		Principal		Present
Sajan Metal Industries Ltd.	Limited Company registered at Joint Stock	Chairman	Sep 2019	Present
Axis Safety Engineering Ltd.	Limited Company registered at Joint Stock	Chief Advisor	2017	Present
Axis Energy Ltd.	Limited Company registered at Joint Stock	Chairman	January 2021	Present

#### 6. Professional Record- 20 years of experience

Name Of Ref. Projects/company	Type/Location Of Project	Services Rendered	Served As A
Mass Rapid Transit (MRT) Line5	Metro Rail Project (MRT Line5) of Dhaka Mass Rapid Transit, financed by JICA	Consulting Services for Detailed Design, Tender Assistance and Construction Supervision for Dhaka Mass Rapid Transit Development Project (Line 5): Northern Route 1. HVAC Design- Natural, Mechanical and VRF 2. Fire Safety System Design, Sprinkler System 3. Clean Gas Suppression System 4. Smoke Control System 5. Water Supply an Drainage System	Building Mechanical Engineer
MV Keari Sindbad	Ocean Going Passenger Vessel under GL in Western Marine Shipyard in Chittagong	1. Project Design 2. Mobilization & Financial arrangement 3. Material Selection and procurement 4. Hull Construction 5. Engine and Genset Installation 6. Outfitting Installation	

		<ol style="list-style-type: none"> <li>7. Welding scheme</li> <li>8. Surface Preparation and Painting</li> <li>9. Documentation</li> <li>10. Launching</li> </ol>	
Grona Shipping	Ocean Going Vessel under GL in Western Marine Shipyard in Chittagong	<ol style="list-style-type: none"> <li>1. Hull Construction Supervision</li> <li>2. Logistic Maintenance</li> <li>3. Machine shop</li> <li>4. Mechanical Installation</li> <li>5. Painting Scheme</li> <li>6. Documentation</li> <li>7. Launching</li> </ol>	
Golden Knit Composite Ltd.	RMG, MOWna, Sreepur, Gazipur	<ol style="list-style-type: none"> <li>1. Designing Of the project- a green building project</li> <li>2. Registration and documentation for LEED Gold Certification.</li> <li>3. Analysis the energy requirement – electricity, water, gas, air, steam</li> <li>4. Energy simulation, optimization</li> <li>5. Energy metering system</li> <li>6. PV (Photovoltaic) cell system design, installation and commissioning</li> <li>7. Designing of pumps- water, fire, diesel</li> <li>8. Indoor Air Quality Enhancement program</li> <li>9. Energy auditing</li> <li>10. Fire Pump design- 1250 GPM diesel, electrical and Jockey pump</li> </ol>	Green Building Consultant
Tongwei Feed Mill Ltd.	Poultry and Fish Feed Manufacturer, Gazipur	<ol style="list-style-type: none"> <li>1. Designing Of the project</li> <li>2. Analysis the energy requirement – electricity, water, gas, air, steam</li> <li>3. Energy metering system</li> <li>4. PV (Photovoltaic) cell system design, installation and commissioning</li> <li>5. Documentation</li> </ol>	Energy Vendor/ Consultant
Meghna Innova Rubber Industries Ltd.	Gorai, Mirzapur, Tangail	<ol style="list-style-type: none"> <li>1. Designing Energy System- electrical, Steam, Gas generator</li> <li>2. Designing the cogeneration system- genset exhaust to heat boiler feed water</li> </ol>	Do
Comfit Composite Ltd.	9 storied Industrial building, Tangail	<ol style="list-style-type: none"> <li>1. Designing Of the project- a green building project</li> <li>2. Analysis the energy requirement – electricity, water, gas, air, steam</li> <li>3. Energy metering system</li> <li>4. PV (Photovoltaic) cell system design, installation and commissioning</li> <li>5. Designing of pumps- water, fire, diesel</li> <li>6. Indoor Air Quality Enhancement program</li> <li>7. Cogeneration</li> </ol>	Do
Dooren Power	Power Plant at Munshiganj	<ol style="list-style-type: none"> <li>1. Design of pump</li> <li>2. Selection of pump</li> <li>3. Installation supervision</li> <li>4. Testing Commissioning</li> </ol>	Do
Midland Power Company Ltd.	56 MW Power plant in Aushuganj	<ol style="list-style-type: none"> <li>1. Water, Oil pump of different sizes</li> <li>2. Installation supervision</li> <li>3. Testing &amp; commissioning</li> </ol>	Do
Beximco	Beximco Pharmaceuticals, Tongi	<ol style="list-style-type: none"> <li>1. Gas pipe line works at Multipurpose building- O2, CO2, Argon line with SS 316L</li> <li>2. Testing &amp; commissioning</li> </ol>	Mechanical Service provider
Unilever Bangladesh Ltd.	Surfactant Project, Tongi, Gazipur	<ol style="list-style-type: none"> <li>1. Fluid Transfer system</li> <li>2. Pump piping system</li> <li>3. Automation</li> </ol>	Mechanical Service Vendor
Mainland Sewing	Anika Industrial	Designing Of Fire Safety 10 storied industrial	Mechanical

Headwear Mfg. Ltd.	Garden, Bagbari, Kashimpur	Building 1. Combined sprinkler and standpipe system 2. 1000 GPM pump set- Diesel Engine driven, Electrical Motor driven and Jockey pump 3. Hydraulic calculation and analysis of pump, piping system	Consultant
Cotton Zone Knit Ltd.	RMG, Belma, Savar, Dhaka	1. Designing Of Ventilation System as per ASHRAE 2. Designing Of Fire Protection And Detection System as per BNBC/NFPA 3. Pump selection- Fire pump, water pump, feed water pump, diesel pump 4. Designing Of Mechanical System- Steam Engineering, Power Generation, Compressed Air Etc. 5. Solar panel	Mechanical Consultant
Azmat Group	Aushulia, Dhaka	Design of Ventilation, Genset, Fire Safety 1. Protection System as NFPA 2. Detection and Alarm System as per NFPA 3. Evacuation plan as per BNBC 4. Solar panel	Mechanical Consultant
Keari Elysium	Commercial cum Residential Building	1. 9 storied commercial cum residential building. 2. Solar system, design, installation	Mechanical Consultant
Dongleon Fashion	RMG, Ashulia, Savar, Dhaka	• Ventilation System Design as per ASHRAE • Solar system	Mechanical Consultant
MOF Fashion	RMG, Gazipur, Gazipur	1. Ventilation System Design as per ASHRAE 2. Steam And Condensate System Design- pump, piping design 3. PV system	Mechanical Consultant
Aci Godrej Agrovet Private Limited	Feed Mill Project, At Sirajgonj	1. Design, Fabrication And Erection Of 500 MT Molasses Storage Tank 2. Pump selection, installation 3. PV system	EPC Contractor
Rooppur Nuclear Power Plant (RNPP)	Rooppur, Ishwardi, Pabna	1. Piping System In Welding Zone 2. Documentation	EPC Contractor
AR Auto Rice Mill	BSCIC, Pabna	1. Design of Steam Engineering, 2. Condensate return pump design 3. Feed water pump design 4. PV system	Mechanical Consultant

## 7. Personal Information

Father's Name: Md. Shohidul Islam

Mother's Name: Johura Khatun

Present Address: House 28, Road 9, Sector 11, Uttara, Dhaka

Permanent Address: Village- Ruithonpur, P/S- Alamdanga, Dist- Chuadanga, Bangladesh

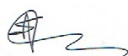
Date of Birth: 25 December 1975

NID No: 1591904905737

Passport No: A00116550

Driving License: GP0009484L00009, Validity: 19 Feb 2023

Blood Group: B+



**(Md. Shahjahan Alam)**

Date: 15.05.2021