

2024



Profile



At a glance

ENRG TECH is a leading engineering firm focused on sustainable solutions such as Energy Auditing and decarbonisation, as per SBTi, techno-economic Electromechanical solutions, energy-efficient MEP design, and LEED Green Building Consultation. With a strong track record, the firm has accomplished nearly 250 projects with its consortium. ENRG TECH is recognized for its expertise and innovation in the field of sustainability.

Company Name	ENRH TECH
Year of Establishment	April 2016
Trade License No.	266719
BIN.	001874958-0203
TIN.	581816487472
Legal Status	Proprietorship
Corporate Office-1	30 Sonargaon Janapath Avenue Sector 11, Uttara, Dhaka 1230
Corporate Office-2	House: 298, (Lift-3) Jamtola Moor, Shadhinata Sarani North Badda, Dhaka-1212
Active participants in the Energy community	SREDA, BEREC, AEE, ASHRAE, USGBC Bangladesh Bank, Natural Gas T&DCL.
Active participants in Safety compliance community	RSC, Nirapon, ILO and DIFE
Energy Solution Partner	ABB, SIEMENS, Schneider Electric, ME ENERGY, TLV, HUAWEI





Services we offer



Energy Auditing Decarbonization

- Energy Audit (EA) as per ASHRAE-L1/2/3
- EA as per Titas gas, Bangladesh Bank (GTF,TDF) and BEREC requirements.
- Energy Modelling and Simulation.
- Decarbonization as per SBTi.



Sustainability

- Sustainability Reporting as per GRI standard.
- Detailed chemical and Wastewater assessment.
- Realistic action plan for ZDHC and ZLD.
- LEED Green Building consultancy & certification.
- Capacity building on sustainability.



Compliance

- Electrical Safety Assessment
- Fire Safety Assessment.
- Structural Safety Assessment
- Switchgear Functionality Assessment
- ER,IR and Thermographic Assessment
- Safety Compliance Design for Electrical Fire and Structural system

Assessment comply with BNBC-2020,NFPA,IEC, BS ,Nirapon and RSC requirements

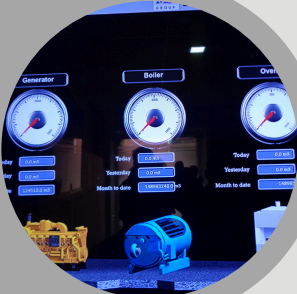


Services we offer



Inspection & Testing

- Boiler and Compressor Hydraulic pressure test (HPT).
- Ultrasonic thickness gauging test (Shell plate & tube thickness).
- Non-destructive testing (NDT).
- Video Borescopic inspection for boiler tube.
- Generator, Boiler and Compressor Performance inspection.
- Generator troubleshooting and annual maintenance contract.
- Harmonics and transients testing.
- Ultrasonic flow measurement.
- Indoor and outdoor environmental pollution testing.
- HVAC performance inspection.



Energy Monitoring & Cogeneration

- Installation of Electricity, Gas, water Consumption monitoring and reporting system.
- Siemens (Insight), Honeywel (XL-5000), Regin (SCADA) Building Automation system.
- Develop Energy KPI.
- Design and installation of Cogeneration/Tri-generation system.



Renewable Energy

- Design and development of off-grid and on-grid solar PV system.
- Existing solar energy system performance evaluation.



Our Measuring Tools

FLUKE 438-II Energy & Motor Analyzer



HIOKI (Japan) PW 3360 -PQ Analyzer



VICTOR 5000 Power Analyzer



KRYKARD ALM 36 -PQ Analyzer

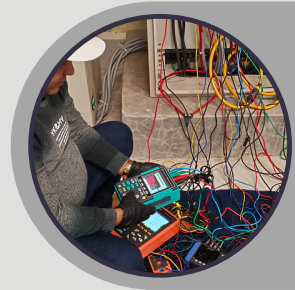


WHOLER 450A Combustion Analyzer



KANE-958 Combustion Analyzer





Our Measuring Tools

FLUKE 805 Vibration Meter



KIORITSU (JAPAN) PSC, PFC Analyzer



FLUKE Tis 20 Thermal Imager



UE Ultrasonic Leak Detector



TUF 2000H Ultrasonic Flow Meter



TRANSPORT PT 879 Ultrasonic Flow





Our Measuring Tools

Boiler Video Borescope- iplex G Lite



Ultrasonic Flaw Detector Epoch 1000i



Ultrasonic Thickness Gauge - 45MG



FLUKE 985 Airborne Particle Counter



Switchgear Testing Equipments



Our Supplementary Tools

We have a wide range of instruments, including Ultrasonic Flaw Detectors, MPT, LPT, anemometers, sound meters, Lux meters, insulation testers, power loggers, digital multimeters, tachometers, and plug load testers, enhancing our service excellence.

Our Professionals



Engr Md Mustafizur Rahman

B.Sc. Engg. (ME, BUET)
Chairman (Retd), Electricity Licensing Board
National Consultant (Asian Development Bank, Energy)

Engr. Md. Mustafizur Rahman is a seasoned expert in sustainability and energy. With extensive experience in key roles including Chairman of the Electricity Licensing Board and National Consultant for the Asian Development Bank, he brings invaluable insights and leadership to ENRG TECH's commitment to sustainable solutions.



Md Yousuf Ali

B.Sc. Engg. (EEE, DUET)
CEO & Lead Engineer (Energy and Cogeneration)
Certified Energy Auditor ,SREDA,PowerDivision,GoB

Md. Yousuf Ali, as the CEO & Lead Engineer (Energy and Cogeneration) at ENRG TECH, brings a strong educational background in Electrical and Electronic Engineering. His certifications as a Certified Energy Auditor and LEED Green Associate, along with his professional membership, reflect his commitment to energy efficiency and sustainability. His expertise significantly contributes to ENRG TECH's mission of providing cutting-edge energy and sustainability solutions



Rajib Ul Haque

Chief Environmental Expert

Mr. Rajib has 12 years of experience in industrial pollution control in the apparel sector. He holds a M.Sc. degree in Environmental Science from North South University and completed postgraduate training at the University of Stuttgart. He is a GIZ-approved trainer in various environmental areas and has conducted about 120 assessments in ETP, GHG emissions, and solid waste management. He is a GRI-certified Sustainability Professional and has helped 5 organizations write their sustainability reports according to GRI standards.

Our Professionals



Engr. Q.A Sharhan Sadiqueue

B.Sc. Engg. (ME,BUET)
Certified Energy Auditor (98347), AEE, USA

Engr. Q.A. Sharhan Sadique, with his Mechanical Engineering background and certifications as a Certified Energy Auditor and ISO 50001 Certified professional, holds a pivotal role as Senior Consultant (Sustainability) at ENRG TECH. His extensive experience, including his tenure as Deputy Director at the Power Cell of the Ministry of Energy & Mineral Resources, enriches our team's capabilities in delivering sustainable solutions.



Prof. Dr. Hasan Md Mostofa Afroz

Professor, Dept. of Mechanical Engineering,(DUET)
M.Sc.Engg.(ME,) Sr.Advisor (Energy)

Prof. Dr. Hasan Mohammad Mostofa Afroz serves as an esteemed Advisor (Mechanical) at ENRG TECH. His extensive academic and professional background, including roles as a professor, director, and head of various departments, brings a wealth of knowledge and experience to our team. His expertise in energy and mechanical engineering greatly contributes to our commitment to sustainable solutions.



Dr. Md. Arefin kowser (Ph.D., Japan)

Sr. Consultant (Research and Development)
Professor, Department of Mechanical Engineering (DUET)

Dr. Md. Arefin Kowser, with a Ph.D. in Mechanical Engineering from Japan and extensive experience in academia, research, and consultancy, serves as an invaluable Advisor (Mechanical) at ENRG TECH. His expertise in research and development, coupled with his role as a professor and head of key departments, significantly enhances our capabilities in delivering innovative and sustainable solutions.

Our Achievements



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
উপ-বিভাগীয় প্রকৌশলীর কার্যালয়
গণপূর্ত ই/এম উপ-বিভাগ -২
প্রধানমন্ত্রীর কার্যালয়, তেজগাঁও, ঢাকা।

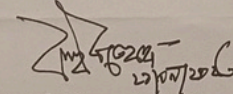
পত্র সংখ্যা : ২৫.৩৬.২৬০০.৬১২.৯৯.৯৯১.২৩/৬৮৫

তারিখঃ ২১ সেপ্টেম্বর, ২০২৩ খ্রিঃ

প্রশংসা পত্র

যাছার অগ্য প্রযোজ্য

এ মর্মে প্রত্যয়ন করা যাচ্ছে যে, ই.এন.আর.জি টেক ঢাকা, অত্র কার্যালয়ের দায়িত্বাধীন প্রধানমন্ত্রীর কার্যালয়, তেজগাঁও, ঢাকা এবং গণভবন, শের-ই-বাংলা নগর ঢাকা, এর বৈদ্যুতিক নিরাপত্তার অংশ হিসাবে বজ্র নিরোধক এবং আর্থিং ব্যবস্থার নকশা আন্তর্জাতিক এবং দেশীয় মানদণ্ড অনুযায়ী প্রণয়ন, স্থাপনের প্রয়োজনীয় দিকনির্দেশনা ও কার্যকারিতা পরীক্ষার কাজ সম্পন্ন করেছেন। তাদের কাজের মান ও প্রকৌশলীবৃন্দের কর্মদক্ষতা সন্তোষজনক। আমি প্রতিষ্ঠানটির পেশাদারিত্বে সন্তুষ্ট। আমি প্রতিষ্ঠানটির উত্তরোত্তর সাফল্যসমৃদ্ধি কামনা করছি।


(ফাহিমদ ইফতেখার আলী)
উপ-বিভাগীয় প্রকৌশলী

SREDA
Sustainable and Renewable
Energy Development Authority



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
টেকসই ও নবায়নযোগ্য জ্বালানি উন্নয়ন কর্তৃপক্ষ (স্রেডা)
বিদ্যুৎ বিভাগ
www.sreda.gov.bd

জ্বালানি নিরীক্ষক সনদ

নিবন্ধন নং : জ্বা.নি(ইইই)-০৩০০৩৪-০১৪ তারিখ : ১৩ ডিসেম্বর, ২০২২ খ্রিঃ
পরীক্ষার রোল নং : ২০২২১১০৩৪ সেশন : ২০২২-২০২৩
পরবর্তী নবায়নের তারিখ : ১৩ ডিসেম্বর, ২০২৭ খ্রিঃ

এই মর্মে প্রত্যয়ন করা যাইতেছে যে, জ্বালানি নিরীক্ষক সনদ পরীক্ষার সকল বিষয়ে উত্তীর্ণ হওয়ায় **মোঃ ইউসুফ আলী** পিতা: মোঃ এলাহী বকস মন্ডল, মাতা: মোছাঃ মরিয়ম নেছা কে জ্বালানি নিরীক্ষক সনদ প্রদান করা হইল।

২. ইহা প্রতি ৫ (পাঁচ) বছর অন্তর নবায়নযোগ্য হইবে।


যাক্কর ও সীল

মুনীরা মুক্তাভানা এনজিনি
প্রোগ্রামার (সেভ-১)
টেকসই ও নবায়নযোগ্য জ্বালানি
উন্নয়ন কর্তৃপক্ষ (স্রেডা)
বিদ্যুৎ বিভাগ

IEB Bhaban (9th & 10th floor), Kamna, Dhaka-1000
www.sreda.gov.bd


No: 27.02.0000.022.16.025.17. 189

Date: 7 July, 2022

TO WHOM IT MAY CONCERN

This is to certify that, ENRG TECH, in collaboration with SREDA had successfully conducted the Energy Audit in the facility of Niagara Textiles Ltd. Chandra Circle, Dhaka - Tangail Hwy, Chandra, Gazipur on 24 April 2019.

The Energy Audit activities done by the ENRG TECH was very satisfactory. I wish its great success in the future endeavors.


(Md. Abdullah Al Mamun)
Assistant Director (Energy Audit & Accreditation),
Tel: +880 2-55110340
Email: ad.eaa@sreda.gov.bd

cea CERTIFIED
ENERGY
AUDITOR

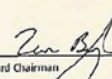

CERTIFIED
ENERGY
AUDITOR

The Association of Energy

CERTIFIES THAT

Md. Yousof Ali

has completed the prescribed standards for ce demonstrated a high level of competence and for energy auditing, and is hereby granted the CERTIFIED ENERGY AUDITOR

 
CEA[®] Board Chairman CEA[®] Certification Dire

January 1, 2021 to December 31, 2023
Certification Valid

CEA 90283

AWARDED BY:
CEE

Our Achievements



CONSULTANT EXPERIENCE CERTIFICATE

This is to certify that Engr. Md. Yousuf Ali has been engaged with Bureau Veritas Bangladesh Private Ltd as an Energy Consultant, since 2018. His role is crucial for energy Business. Till now, Mr. Yousuf has conducted more than 20 energy audit in RMG, Textile & Steel sector with us. We are very much confident about his competency in energy sector.

It is a pleasure working with Mr. Yousuf Ali and he has proven himself as one of the important consultant of this organization. We wish him best of luck for betterment of his future and success in his future endeavours.

Best Regards

 Md. Shahriar Hossain
 Manager (IVS)

Bureau Veritas (Bangladesh) Private Limited
 Corporate Office: Sympsony 5th Floor, Plot No. SE/F/8, Road No. 142, South Avenue, Gashali, Dhaka-1212, Bangladesh. Tel: +88(0)2-8836705, +88(0)2-8836465, Fax: 88(0)2-8836740
 Chattogram Office: Ajib Trade Centre (Level-0), 129/08, SK Mujib Road Agrabad, Chattogram-4100, Bangladesh. Tel: +88 (031) 718155
 Registered Office: Director Chamber (5th Floor) 122/13, SK Mujib Road Agrabad, Chattogram-4100, Bangladesh. Tel: +88 (031) 252442, 2525679, Fax: +88 (031) 252442, Email: bu.bangladesh@bv.com, bu.bd@bureauveritas.com

EXPERIENCE CERTIFICATE

BVBJP/Admin/ER/2015/324
Date: 30 September, 2015.

This is to be certifying that **Mr. Md. Yousuf Ali**, son of Md. Elahi Baksh Mondal had worked in my firm as **'Industrial Surveyor (Electrical)'** since June 2013 to August 2015. He had a sound educational knowledge & working experience in –

- Conducting Safety Assessment (Electrical) in regards with fire & human Shock.
- Related Standard such as BNBC-2006, NFPA 70, 70B, 70E, 110, 111, 780, BS 7671:2008, The Electricity Rules-1937, ISO 9001:2008, etc.

He had conducted Electrical Safety Assessment on below mention industries –

- RMG and Textile Industries-(152 nos. of factories)
- Pharmaceutical Industries-(2 nos. of factories)
- Ceramics Industries-(1 nos. of factory)

He is honest & competent in my point of view. His performance was really good to carry out smooth operation of my firm in field of safety inspection. Nothing had been recorded against his character since his joining.

I wish his prospered in life.

Md. Maniruzzaman
 Asst. Manager-Electrical Services
 Bureau Veritas (Bangladesh) Private Limited
 MD. MAHIRUZZAMAN
 Assistant Manager-Electrical
 Bureau Veritas (BD) Private Ltd

Bureau Veritas (Bangladesh) Private Limited
 Nur Group, House-77 (Level-10), Road-11, Block-M, Barani, Dhaka-1213, Bangladesh.

M.E ENERGY PVT. LTD.

Office & Works : Gat No. 1083, 1/B Markal, Tal Khed, Dist. Pune 412105 Maharashtra, India. CIN : U51503PN1998PTC114226
 Tel : +91 2135 626 262 Fax : +91 2135 626 258
 Email : mepl@meenergy.com Web www.meenergy.com

AUTHORIZATION LETTER

TO WHOMSOEVER IT MAY CONCERN

We, M.E. ENERGY PVT LTD started in the year 1998. We are in the Field of Design, Manufacture and Installation of Energy Saving Projects, Heating and Cooling Systems and Equipment. In the last 2 decades, we have established ourselves as a force to reckon with in the field of Thermal Engineering, Energy Saving and Management.

Our products include Energy savings systems - Combined Cycle Power Plants, Waste Heat Recovery - Steam Systems, Waste Heat Recovery - Hot Water, Hot Air, Thermal Oil, Waste to Energy / Incinerator Waste Heat Recovery, Process Integrated Boilers, Fired energy systems – Hot air generators, hot water generators, Thermic fluid heaters, heating systems for special applications, pressure vessels & heat exchangers.

We authorize ENRG TECH to introduce our products and services to potential customers and patrons for the territory consisting of Bangladesh. ENRG TECH is also able to submit all ME Energy credentials to organizations for vendor registration, seek enquiries and submit quotations on our behalf leading to finalization of contracts.

ENRG TECH details below:

ENRG TECH
 House-25, Road-05,
 DIT Project, Merul Badda
 Dhaka-1214, Bangladesh
 Yours sincerely,

Name: Nirmal Kartha
 Position: Assistant Manager
 Date: 30/04/2022
 Website: www.meenergy.com

GreenTree
 Define. Design. Deliver.

Certificate of Completion

07th July, 2022

I hereby affirm, to the best of my knowledge and belief, based on inspections and observations of the work, that "ENRG TECH" has completed the "Investment Grade Energy Audit (IGA) for a Government Building in Rajshahi, Bangladesh" successfully. The completion duration was- March 2020 to May 2020.

This is a UN Habitat funded project implemented by ICLEI South Asia, which was awarded to GreenTree Global, where ENRG TECH was the sub-contractor. The project was completed in accordance with the terms & conditions of the contract hence issuance of this certificate of completion from our end.

We extend our thanks and congratulate ENRG TECH and its team for the excellent work & commitment towards completion of the job.

Authorised Signatory
 For GreenTree Building Energy Private Limited
 Place: Noida, Uttar Pradesh
 Date: 07-07-2022

ASHRAE

Membership Certificate

Mr. Yousuf Ali
 Associate

has been granted the grade of
Associate

and is entitled to all the rights and privileges as provided by the Constitution and Bylaws of the Society.

As a member of ASHRAE, you comply with the ASHRAE Code of Ethics (www.ashrae.org/ethics/)

Signature:
 President
 Date: 28 OCT 2018

Signature:
 President
 Date: 28 OCT 2018

Member # 610027

LEED GREEN ASSOCIATE

Yousuf Ali

GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT
 HAS ATTAINED THE DESIGNATION OF
LEED® Green Associate™

By demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED green building program.

28 OCT 2018
 28 OCT 2018

Yousuf Ali
 Green Building Professional (GBP) #123456789

Expected Outcomes



Unleash Saving **10-25% reduction in energy use**



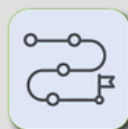
Go Green, Save Green
7-20% reduction in GHG Emissions



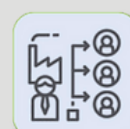
Energy Assessment with financial impacts
ASHRAE Level 2



GHG emission target in-line with latest climate science
Climate-Aligned Target



Energy Performance improvement & GHG Reduction
Actionable Plans



Selection of better Vendor & Technologies
Smart Choices



Capacitate your team on energy management
Training & Capacity Development



Scope 1 & 2 GHG Inventory as per GHG Protocol
GHG Transparency



Prepare your business for SBTi
SBTi Ready



Score higher in Higg score
Higg FEM 4.0



Data ready for disclosure
ESG & CDP Reports

Why Choose us



SREDA
Certified
Auditors



Completed **400+**
ASHRAE Level 2
Energy
Assessment



Completed
100+ GHG
Emissions
inventory



**State-of-the-
art** measuring
equipments



Multidisciplinary
assessment
team



Ongoing projects
with **Global**
Apparel Retailers



Tailored
Solutions





Our Mission

To lead the way towards a sustainable future by pioneering innovative solutions that optimize energy usage, reduce environmental impact, and empower communities to thrive in a cleaner, greener world.

Our Vision

To lead the way towards a sustainable future by pioneering innovative solutions that optimize energy usage, reduce environmental impact, and empower communities to thrive in a cleaner, greener world.

Our Guiding Principles

We prioritize responsible resource usage, guided by integrity, fueled by passion, and driven by innovation. Safety is our top priority, and environmental stewardship is at the core of our sustainability efforts. We take personal and collective responsibility for safety and actively promote a culture of responsibility and sustainability.

Accomplished projects


Here are some of our accomplished projects, totaling nearly 250.



Thank You




Contact Us

 +88-01711 487 709

 info@enrgtechbd.com

 <https://enrgtechbd.com>

 <https://www.linkedin.com/company/enrg-tech-bd>

 Corporate-1: 30 Sonargaon Janapath Avenue Sector 11,
Uttara, Dhaka 1230

Corporate-2: House: 298, (Lift-3) Jamtola Moor,
Shadhinata Sarani North Badda, Dhaka-1212

