

Kaisar Mahmud

Health, Environment & Safety Leader

Senior HES/IMS professional with 12+ years across power generation, heavy industry, logistics, and consulting. Builds integrated management systems, uplifts contractor safety performance, and drives audit readiness at scale. Delivers multi-site certifications, large training programs, and energy efficiency assessments aligned with international standards. Published researcher; combines plant floor execution with board-level advisory.



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📍 Dhaka, Bangladesh

Career Summary

- **Head of Certification** – B-Advancy Certification Limited (April 2026 – Present)
- **Lead Auditor** – Bureau Veritas Bangladesh Pvt. Ltd. (Nov 2025 – April, 2026)
- **CTO** – Bangladesh Energy Management Services (BEMS) (Jan 2025 – Oct 2025)
- **COO & Principal Consultant** – iota Consulting BD (Oct 2020 – Jan 2025)
- **Graduate research Assistant** – ESM Lab, Dong-Eui University, South Korea (Sep 2017 – July 2019)
- **OEHS Engineer** – ACI Godrej Agrovet Private Limited (Apr 2015 – Aug 2017)
- **HES Engineer** – Pipeliners Limited (Jan 2013 – Apr 2015)

Career Highlights

- Increased contractor HES performance by two grades (D → B) through strengthened PTW discipline, standardized JSAs, and CAPA governance.
- Raised Central SOFI safety score from 45% → 77% via targeted HIRA refreshers, supervisor coaching, and observation quality improvement.
- Delivered multi-site IMS rollout (ISO 9001, 14001, 45001) for a national utility, including curriculum development for NOSHTRI (DIFE) on Health, Environment & Safety training.
- Implemented ISO management systems across power, steel, logistics, and manufacturing organizations with internal audit systems and document control frameworks.
- Supported BIFFL/JICA concessional finance program by developing energy-efficiency assessment and M&V documentation pipelines.
- Launched auditor and supervisor training programs, including capacity-building in RMG sectors under industry and development partner initiatives.
- Published peer-reviewed research on RSW & Liquid Metal Embrittlement (LME).

EDUCATIONAL QUALIFICATIONS

Post Graduate Diploma in Project Management – 2025 | Edupro UK

M.Eng. in Advanced Materials Engineering – 2019 | Dong-Eui University (South Korea) | CGPA 4.34/4.50

B.Sc. in Mechanical Engineering – 2012 | Islamic University of Technology (IUT) | CGPA 3.19/4.00

WORK EXPERIENCES

Head of Certification

🏢 **B-Advancy Certification Limited**

Apr 2026 – Present

Dhaka, Bangladesh

- Leading a team of auditors for certification process on ISO 9001, ISO 14001, ISO 45001, ISO 27001, ISO 41001 etc.
- Getting organization accreditation in various accreditation body and managing the requirements of ISO 17021.
- Increasing operational efficiency of the organization and conducting 3rd party audit and training on different ISO standards.

Lead Auditor – QHSE

Nov 2025 – Ap 2026

🏢 **Bureau Veritas Bangladesh Pvt. Ltd.**

Dhaka, Bangladesh

- Conduct third-party audits against ISO 9001, ISO 14001, and ISO 45001 across manufacturing, logistics, engineering and service organizations.
- Develop audit plans, lead opening and closing meetings, and maintain structured audit trails.
- Assess management system maturity, legal compliance fulfillment, HIRA integration, CAPA effectiveness, and Management Review processes.
- Prepare audit findings, non-conformance reports, and recommendations aligned with IAF and Bureau Veritas global protocols.
- Coordinate with client leadership to support certification, surveillance, and recertification audit cycles.

Chief Technical Officer (CTO)

Jan 2025 – Oct 2025

🏢 **Bangladesh Energy Management Services (BEMS)**

Dhaka, Bangladesh

- Lead energy-related bidding, scoping, and solution design for industrial and commercial clients.

- Manage machine-level energy assessments, data analysis, and preparation of approval dossiers for concessional finance programs.
- Handle technical governance, quality assurance, and documentation standards across all projects.
- Conduct client review meetings, present findings, and translate outcomes into actionable improvement roadmaps.
- Liaise with funding bodies, auditors, and regulators to ensure alignment and technical approval readiness.

Chief Operating Officer & Principal Consultant (QHSE)

Oct 2020 – Jan 2025

 **iota Consulting BD**

Dhaka, Bangladesh

Key Contributions:

- Delivered consultancy on ISO 9001/14001/45001/IATF 16949 to multiple organizations across power, RMG, steel, and logistics.
- Conducted 475 manhours of training at BPDB on QMS/OHSMS implementation, internal audits, legal compliance, and document control.
- Delivered an additional 200 manhours of training on QMS and OHSMS across client sites.
- National power utility (multi-site): Implemented IMS manual and program; supported surveillance audit readiness.
- Baraka Power: Trained plant personnel and executed internal audits across multiple plants, standardizing SOPs and closing findings.
- SNWPCL: Overhauled DMS, ran plant-wide HIRA, and aligned legal registers; conducted internal auditor trainings for multiple functions.
- GRI Academy (Bangladesh): Managed national admin account; authored sustainability reports to GRI standards.
- Maintain legal, IFC, and environmental compliance matrices for all ongoing energy projects.
- Mentor field engineers on safe work practices, isolation/LOTO, and accurate measurement techniques.

Duties and Responsibilities:

- Owned P&L, delivery quality, and client success across QHSE projects.
- Led end-to-end project lifecycle: gap analysis, IMS documentation, training, audits, external audit readiness, and CAPA closure.
- Developed and standardized IMS frameworks, including document architecture, numbering taxonomy, and CAPA governance workflows.
- Built team capability by coaching junior consultants and designing training programs for auditors and supervisors.
- Ensured regulatory compliance through coordination with regulators/auditors and maintenance of legal and risk registers.
- Implemented performance monitoring systems, including KPI dashboards for nonconformities, CAPA, training, and audit readiness.
- Conducted supplier audits, risk assessments, and facilitated management reviews with senior leadership.
- Oversaw DMS setup and delivered QHSE performance reports to executive stakeholders.

Project Works:

- **EPV Thakurgaon Limited (Power):** Prepared ISO 9001/14001/45001 documentation, delivered 3-day Internal Auditor Training, and conducted internal audits aligned with IFC standards.
- **GPH Ispat Ltd. (Steel):** Implemented ISO 9001/14001/45001 and conducted internal audits with certification-stage audit support.
- **Sitalpur Auto Steel Mills Ltd. (Steel):** Implemented ISO 45001 with document review, SOP development, and training.
- **Rancon Auto Industries Limited (Automotive):** Conducted a comprehensive gap assessment on IATF 16949:2016 and developed an improvement roadmap.
- **Rangs Motors Workshop (Automotive):** Implemented ISO 9001:2015, developed SOPs, and established internal audit and CAPA tracking.
- **bKash (Product & Technology):** Provided ISO 9001 consultancy through to certification, including QMS documentation and process alignment.
- **Perfetti Van Melle (Food Manufacturing):** Implemented ISO 14001 and ISO 45001 across manufacturing operations.
- **DB Schenker Bangladesh Ltd. (Logistics):** Implemented ISO 9001 and delivered Internal Auditor Training, internal audits, HIRA, CAPA closure, and Management Review facilitation.
- **Paxar Bangladesh Ltd. (Manufacturing):** Provided ISO 9001 documentation development and internal audit preparation.
- **Dhaka Bank / SEBL / Meghna Bank (Banking):** Implemented ISO 9001 for HR, International Division, and Operations, including document control and audit readiness.
- **Ananda Shipyard & Slipways Ltd. (Marine/Shipbuilding):** Conducted ISO 9001 consultancy and internal audit support.
- **United Group (Orange Solutions & United Sulpho Chemicals Ltd.):** Implemented ISO 9001/14001/45001 and trained internal auditors.
- **BPPA, A2i, BRiCM, CEGIS (Govt & Semi-Govt):** Implemented ISO 9001 and ISO 14001/45001 governance systems with audit readiness and compliance matrices.
- **GIZ STILE – Employee Injury Prevention Scheme (RMG):** Rolled out ISO 45001 and provided capacity-building training across factories.
- **GIZ STILE – Green Button Qualification (RMG/Textiles):** Supported STeP by OEKO-TEX qualification across 50+ factories (chemical mgmt, environment, energy, safety, QMS).
- **Alita Bicycle Ltd. & Lida Fashions Ltd. (RMG/Manufacturing):** Developed GRI-based Sustainability Reports.

Graduate Research Assistant

Sep 2017 – Aug 2019

Energy System Materials Lab, Dept. of Advanced Materials Engineering, Dong Ei University

Busan, South Korea

- Researched Resistance Spot Welding (RSW) of AHSS with focus on Liquid Metal Embrittlement (LME) cracking.
- Conducted sample preparation, polishing/etching, SORPAS (2D welding simulation), microscopic imaging, SEM microstructural analysis.

Occupational Environment, Health & Safety (OEHS) Engineer

 ACI Godrej Agrovat Pvt. Ltd.

Apr 2015 – Aug 2017

Dhaka, Bangladesh

Key Highlights:

- Raised Central SOFI safety score from 45% → 77% via targeted training, HIRA refreshers, supervisor coaching, and improved observation quality with consistent CAPA closure.
- Delivered OHES training programs including First Aid, SCBA operation, and Work-at-Height safety (practical and awareness sessions).
- Organized major HSE observance programs including Safety Week (6-day campaign), World Environment Day, Road Safety Week, Health & Safety Day, and Labor Day events.

Duties and Responsibilities:

- Conducted internal training on HIRA, PTW, LOTO, confined space entry, hot work, and supervised toolbox talks.
- Developed annual safety budgeting, HSE training calendar, and KPIs for leading/lagging indicators.
- Strengthened contractor HES oversight through induction, competency verification, and permit enforcement.
- Conducted emergency drills and coordinated post-drill action planning with site leadership.
- Implemented multiple safety improvement initiatives, including anchor point installation for work-at-height, Medical Health Center, Fire Hydrant System upgrades, and LOTO system enhancement.
- Led monthly safety meetings covering SHE KPI trends, hazard review, incident analysis, and corrective action tracking.

Health, Environment & Safety (HES) Engineer

Jan 2013 – Apr 2015

 Pipeliners Limited (Chevron/Hyundai master contractor)

Bibiyana Gas Plant, Sylhet, Bangladesh

- Upgraded Chevron contractor HES grade from D to B by tightening PTW controls, standardizing JSAs/toolbox talks, running risk-based inspections, and closing CAPAs via weekly action tracking.
- Led ISO 9001:2008 & OHSAS 18001:2007 Permit and CAPA project as COO and Principal Consultant (documentation, internal audits, management review).

CORE COMPETENCIES

ISO 9001 • ISO 14001 • ISO 45001 • IATF 16949 • Integrated Management Systems (IMS) • Internal Auditing • HIRA • EAIA • Risk Assessment & Control • Incident Investigation • Permit-to-Work (PTW) • Job Safety Analysis (JSA) • Behavior-Based Safety (BBS) • CAPA Management • Legal Compliance Registers • Emergency Response Planning • Contractor HES Management • Energy Efficiency Assessment • IFC Performance Standards • Sustainability Reporting (GRI)

TOOLS & TECH

Microsoft Word • Microsoft Excel • Microsoft PowerPoint • Microsoft Visio • Microsoft Project • Power BI • AutoCAD 2D/3D • Document Management Systems • Audit/NC Tracker Platforms • PTW/Digital Permit Systems

TRAINING & CERTIFICATIONS

- NEBOSH International General Certification (IGC) (Level 3) | Nvtron/NEBOSH
- CQI/IRCA Lead Auditor (ISO 9001, ISO 45001, ISO 27001) & Lead Implementer (ISO 27001) | CQI/IRCA
- GRI Certified Training Course (Sustainability Reporting Standards) – 2021 | iota Consulting BD/GRI
- Industrial Safety & Prevention of Accident | Training Institute for Chemical Industries/BCIC
- Chevron Site Safety Modules (Core Safety, Work at Height, Lifting & Rigging, Confined Space, SimOps, Bypass Critical Protection, Supervisor, Isolation/LOTO, Hot Work, PTW) | Chevron Bangladesh
- Analyzing Data with Power BI | Ostad
- Industrial & Factory Safety Management | Institute of Personnel Management Bangladesh

RESEARCH & PROJECTS

ISO 9001 & OHSAS 18001 Certification Project – 2013–2014 | Pipeliners Limited

- Authored QMS/OHSMS documentation, ran internal audits, and closed NCs for certification readiness.
- Implemented audit program and management review cadence.

PUBLICATIONS

- [Geometrical Degradation & LME Cracking in RSW – 2021 | Journal of Manufacturing Processes](#)
- [LME Cracking in Uncoated TRIP Steel during Consecutive RSW – 2023 | Metals](#)
- [Critical Design Parameters of Electrodes for LME in RSW – 2019 | Welding in the World](#)
- Improvement of Plant & Project Safety through Employee Involvement – 2017 | SOPEP (Conference)

REFERENCES

Saikat Barua, Group Head of HR & Admin, Padma Group of Converters | Mail: saikat.barua@hotmail.com

Engr. Dr. Obaid Hussain, Director (Technical & Operations), Pipeliners Limited | Mail: linersp@dhaka.net