

Energy. Save it. Now.



## Power & Energy Efficiency Consultancy

**EQMS**

EQMS Consulting Limited

[www.eqms.com.bd](http://www.eqms.com.bd)

# Power Sector Services

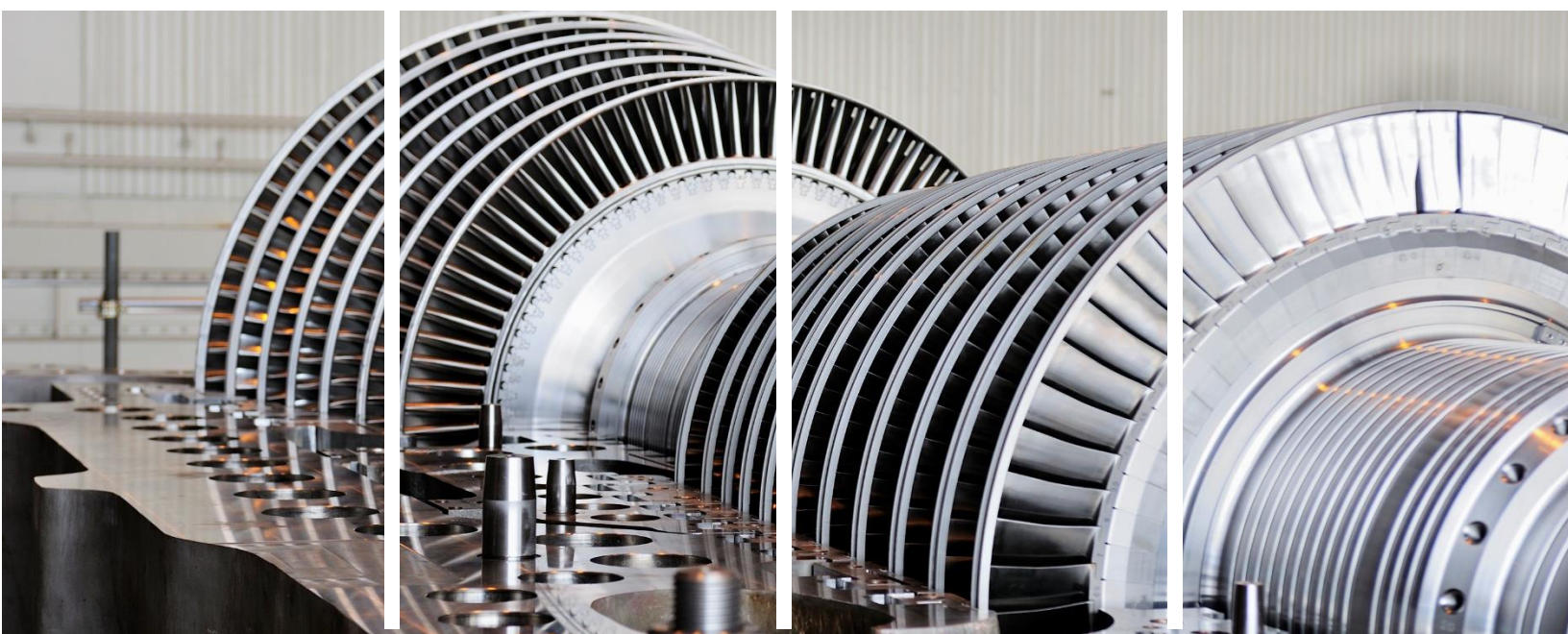
## *What we do*

### Services offered for

- Steam, gas turbine and combined cycle power plants
- Coal-fired power plants
- Industrial power plants/ captive power plants
- Diesel and gas engine power plants
- Transmission line distribution & substation
- Renewable energy – solar, wind

### Range of services

- Techno-economic feasibility studies;
- Total project management;
- Distribution planning and design, rehabilitation and construction supervision;
- Substation design, installation, testing and commissioning;
- Transmission line design, site supervision, commissioning;
- Protection and control system design;
- Preparations of tender specifications and evaluation;
- Environmental and Social Impact Assessment (ESIA) & Technical and EHS Due Diligence





# Our Philosophy

## *How we work*

### **Innovative approaches**

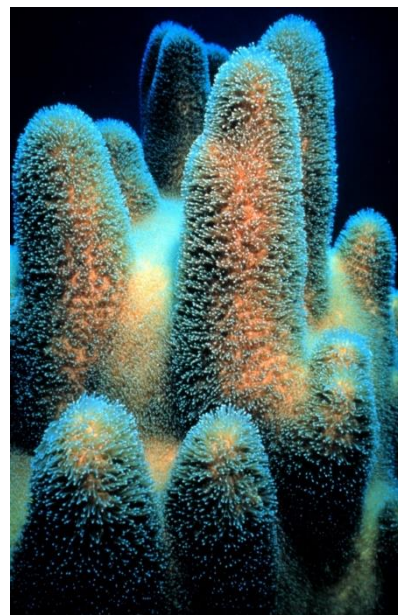
We apply a balanced mix of innovative as well as tried and tested measures, each tailored to the specific needs of our clients and adapted to local requirements.

### **Corporate values**

In all of our activities, we uphold the principles of integrity, quality, environmental and social responsibility.

### **Quality performance to the highest satisfaction of our clients**

As an integral part of our daily work, we offer high quality services to our clients under the quality management system of ISO 9001:2015 norm.



# Power Sectors

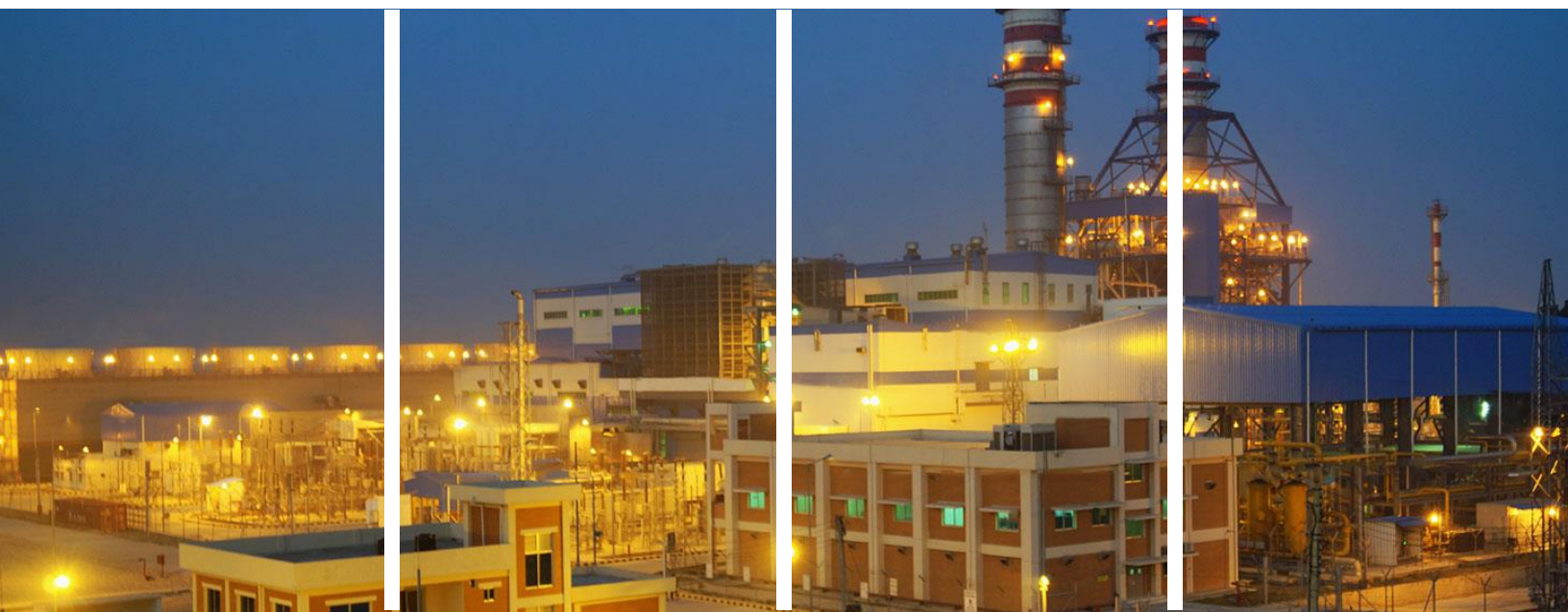
## *Our sectoral experiences*

### **Engineering Consultancy and Design**

- Design of substations, transmission and distribution lines for low, medium and high voltage systems
- Planning of system developments for the best technical and financial performance
- Preparation of technical specifications and analysis of tenders
- Project management and contract administration
- Marketing service and direct representations
- Procurement services of various equipment and goods

### **Project Management and Contract Administration**

- Feasibility studies
- Identification of project scope
- Preparation of cost estimate, project cost and budget
- Assistance in organizing financial funds
- Specification preparation
- Preparation of bid document
- Assistance in bid evaluation and contract award
- Reporting on the viability of contracting out client services
- Advising on risk minimization factors when obtaining contracted services
- Provide management personnel as required
- Ensure that client's project liaison requirements are met
- Ensure works conform to specified requirements
- Process contractual payments
- Site management
- Commissioning, preparation of 'As Built' drawings and project completion report
- Capacity building and training





# Renewable Energy

*Power. People. Environment.*

## Services offered

EQMS' renewable team of experts focuses on providing customized, innovative, renewable energy and energy efficiency solutions as well as on-going maintenance and support. Our expertise spans across various technologies including: solar power plant, solar PV, solar thermal, wind power, biogas, and hydropower.

- Turnkey renewable energy solutions
- Consulting & advisory services
- Energy management programs & training
- Energy efficiency & audits
- Feasibility studies & techno-economic models
- Project management & on-site supervision
- Environmental and Social Study

## Solar

- pre-feasibility/ fatal flow analysis studies
- feasibility studies of solar based power plant
- engineering survey support
- environmental and social impact assessment
- supply and installation of solar ground measurement stations
- SHS, solar mini-grid system and solar nano grid
- solar irrigation pump

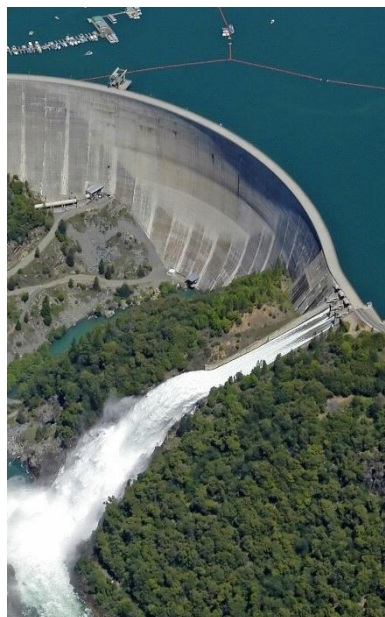
## Wind

- wind data analysis
- wind measurement
- wind data analysis
- wind power plant ESIA

## Bio gas

**Improved cook stove (ICS)**

**Mini hydro power**



# Energy Efficiency

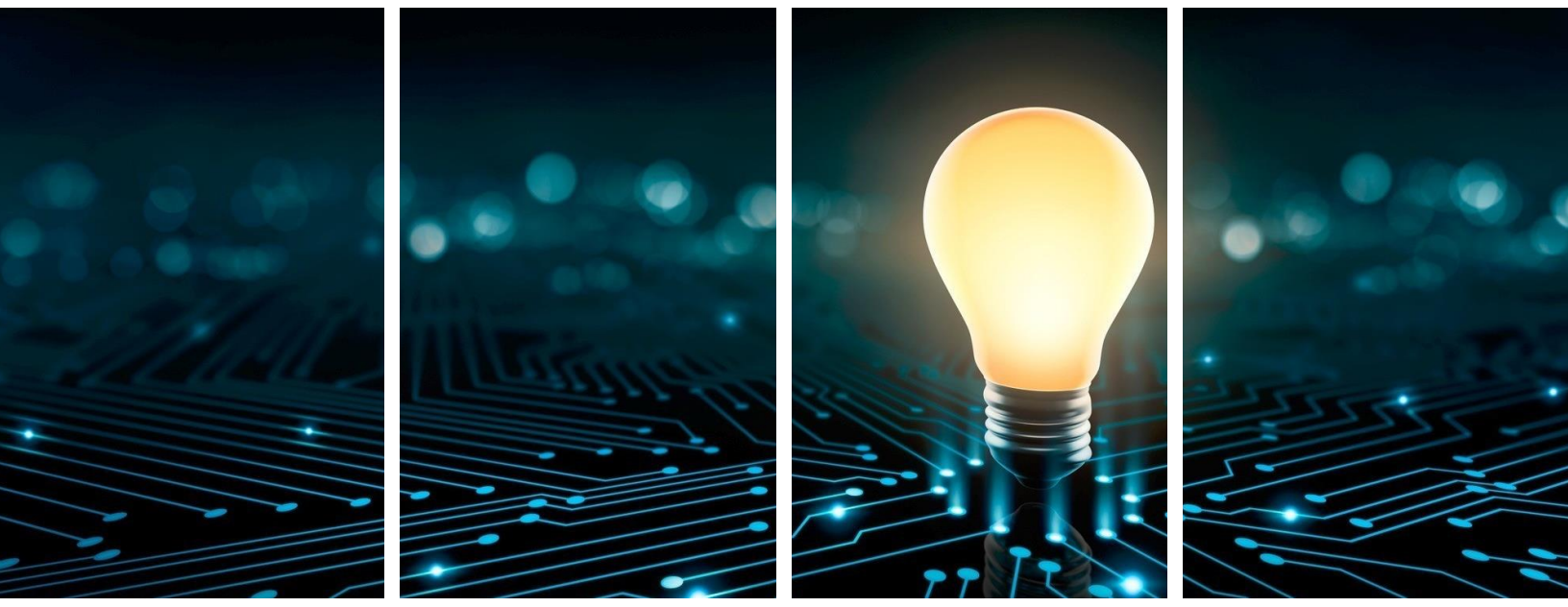
*Work for environment*

## Approach

- assessing the remaining energy savings potential
- energy and utility voluntary programs
- energy savings potential for different spending levels
- planning objectives and delivers high cost-effective energy savings

## Methods

- characterize current energy consumption
- estimate the energy and demand savings potential
- energy codes and standards on future energy consumption
- savings potential from market transformation
- sensitivity analysis for different economic assumptions
- stakeholders involvement
- long-term program planning and resource planning





# EQMS – The Story

## Who we are

EQMS Consulting Limited (EQMS) established in 2002, is one of the reputed and leading private consulting companies specializing in providing consultancy services for the power industry, including the power generation transmission and distribution sectors. The strength lies in the team, consisting of qualified engineers and professionals with vast practical experience in the power industry

- **The Importance of Being EQMS** is a fundamental company value, ensuring freedom of action, choice and helping singling out of the best solutions concerning each project.
- **A Multi-Disciplinary Approach** involving different specialized technical units, which collaborate on, projects, thus allowing simultaneously manage multiple tasking, offering clients the benefit of company skills and experience.
- **EQMS' Resources** have approximately 100 employees in-house from multidiscipline where 20 people dedicated to power sector.
- **Knowledge & Competency** for undertaking, designing, constructing, maintaining and operating different types of power plant projects.
- **A Serious and Reliable Partner** in the capacity to supply high-level professional skills, modern technologies and a wide and flexible range of services.



## Contact Details

EQMS Consulting Ltd.  
Power and Energy Department

### Bangladesh office

2<sup>nd</sup> & 3<sup>rd</sup> Floor, House # 53, Road # 4, Block # C  
Banani, Dhaka-1213  
Bangladesh  
Phone: + (880) 1911702074

### Canada office

7 Arnott Street  
Scarborough, Ontario, M1K4B5  
Canada  
Phone: +(1) 6476208047

[www.eqms.com.bd](http://www.eqms.com.bd)