

Water. Hydrology. Assessment.



Hydrology and Water Resource Services

EQMS

EQMS Group

www.eqms.com.bd

Services

What we do

Survey

- Surveying baseline condition
- Generating Detailed Topographic Data
- Bathymetry Survey
- Ground Investigation and Geotechnical Works

Modelling and Analysis

- Simulation Model for Flood Risk and Vulnerability
- Climate Induced Flood Risk
- Catchment Wide Impacts
- Extent of Risk for Flood Event
- Physical Flow Characteristics
- Hydrological Processes
- Integrated Analysis for Entire Watershed
- Physical or Chemical processes
- Ground Water Modelling
- Storm Water Modeling
- Plan and Model Water System Operations
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Mitigation Framework

- Flood Management Plan
- Contingency Plan
- Storm Water Runoff and Terrain Management
- Permanent Site Flood Protection System
- Complete and Partial Building Protection
- Temporary Building Flood Protection Systems



Our Philosophy

How we work

Innovative approaches

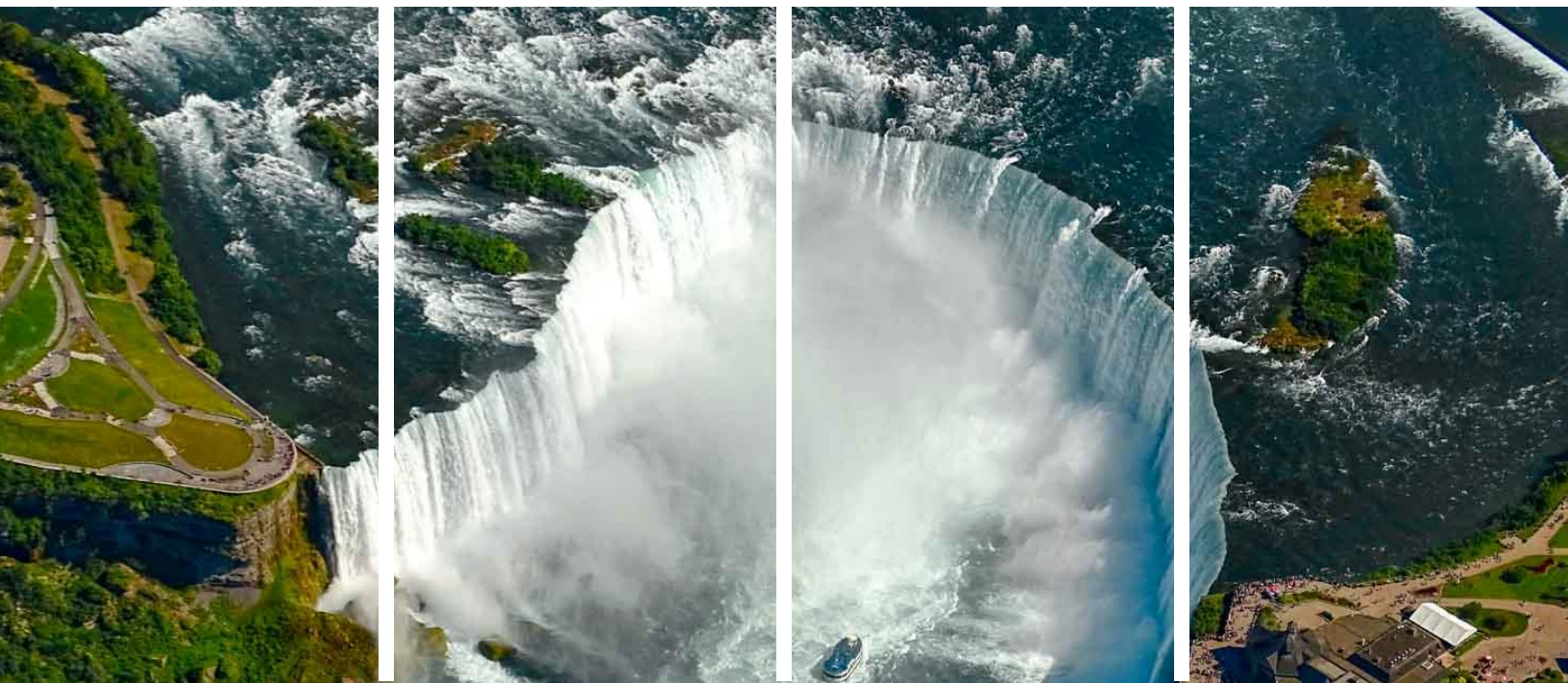
We apply a balanced mix of innovative as well as tried and tested measures, each tailored to the specific needs of our clients and adapted to local requirements.

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, ISO 14001:2015 and OHSAS 45001 norms.



Sectors

Our sectoral experiences

Flood Assessment

- risk assessment
- flood water surface profile analysis
- floodplain boundary delineation
- flood hazard and vulnerability assessment
- flood frequency analysis
- flood modelling
- flood control engineering design

Morphological Analysis

- geophysical properties of the study
- river bank erosion and accretion
- river bank line shifting analysis
- change detection analysis

Storm Water Analysis and Modelling

- rainfall pattern analysis
- hydrological boundary and drainage system delineation
- rainfall runoff volume and discharge calculation
- runoff coefficient and slope determination
- storm water volume analysis

Watershed Hydrology

- Evaluation of Rainfall,
- Evaluation of Infiltration,
- Evaluation of Runoff

Stream

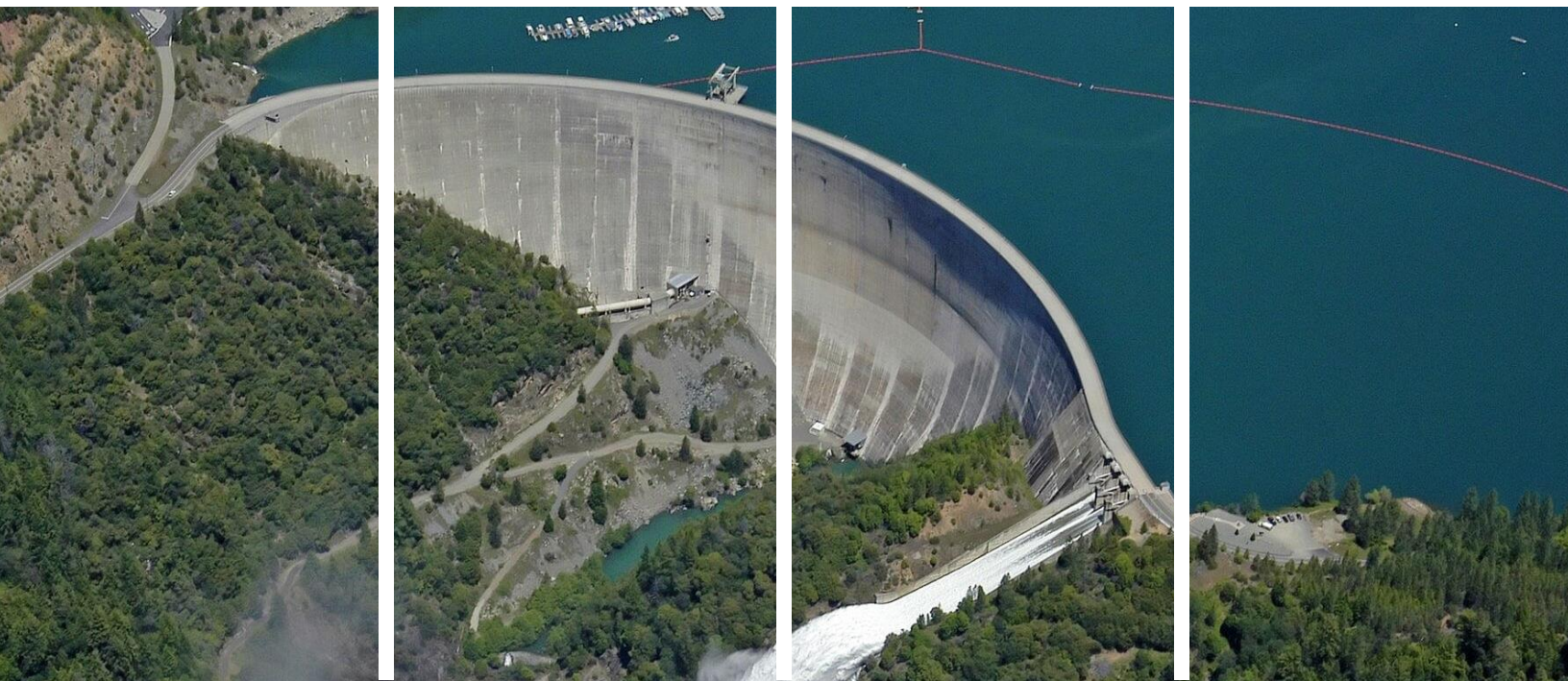
- Stream Stabilization and Restoration
- Flow Frequency Analysis
- Bank Stabilization Measures
- Stream Protection Construction Works

Sediment Analysis

- Sediment Sample Collection
- Laboratory Test

Ground Water Analysis and Modelling

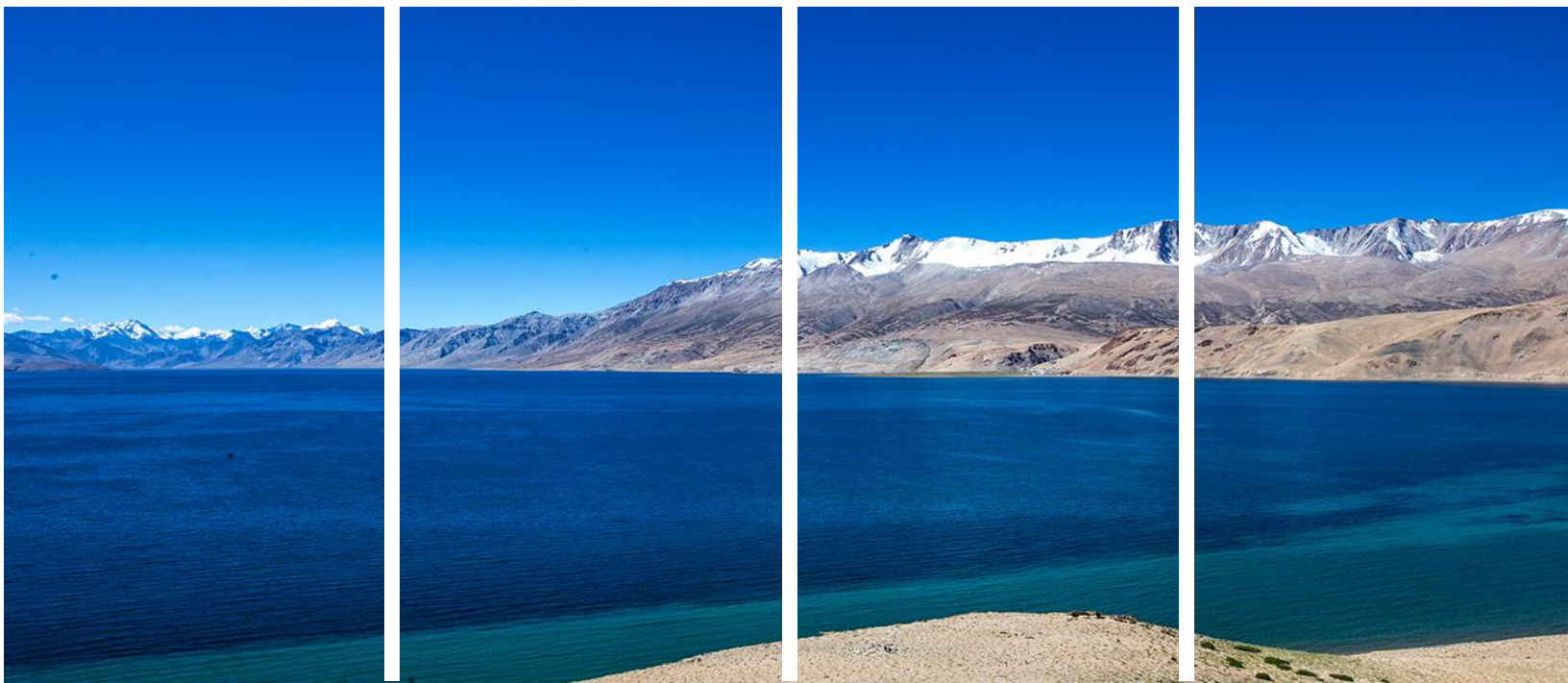
- Subsurface Storage Analysis
- Aquifer Condition Examination
- Water Production Capacity Analysis
- Design Production and Monitoring Wells
- Ground Water Management Plan



Experts

Who we are

The global, multidisciplinary team (more than 100) of EQMS provides Hydrological and Sustainability Services, which can put together the right team of professionals equipped with the specific demanded skills and knowledge to support in reaching sustainable development goals. The experts of EQMS have solid knowledge in their respective fields of hydrology, ground water analysis, water resource management, flood risk assessment, embankment, drainage, water pipeline and hydrogeology.



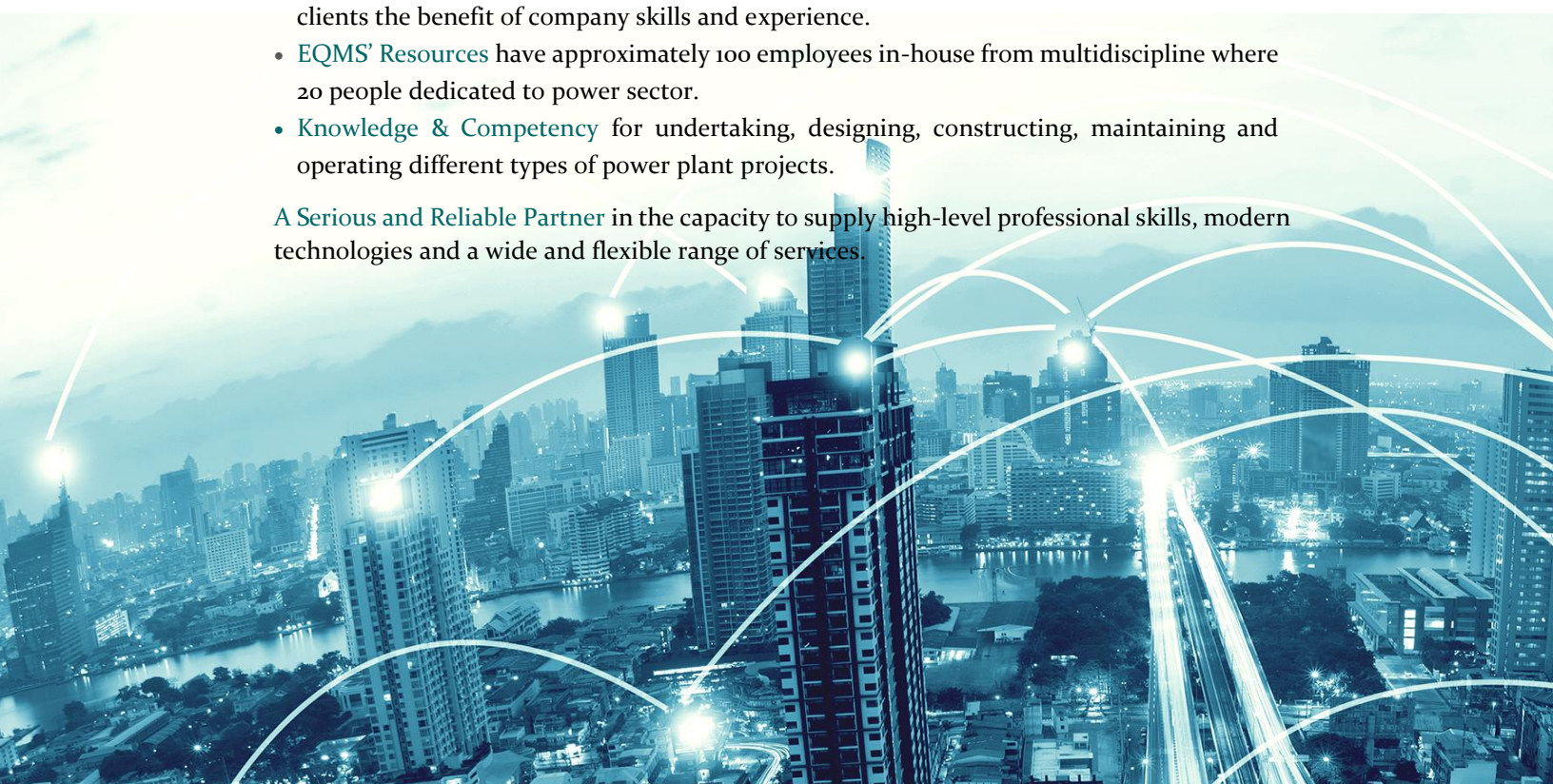
EQMS Group– The Story

Who we are

EQMS Group established in 2002, is one of the leading multi-disciplinary consulting firms of Bangladesh. EQMS functions as an institution providing comprehensive and multidisciplinary engineering, project management and consultancy services. EQMS is in the forefront of infrastructure development in Bangladesh including urban and rural infrastructure improvement, roads and high ways, bridges, water supply and sanitation, solid waste management, urban drainage, participatory water resources management, flood control, irrigation, agricultural, agro-socio-economic and environmental studies, etc.

- **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.



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