

apal



**INNOVATION
AND
EXCELLENCE**
IN TECHNOLOGY

APPLIED PHYSICS ADVENTURES LIMITED



ABOUT US



The company, APPLIED PHYSICS ADVENTURES LIMITED, has been formed by a group of professionals having vivid experience and wide exposure in Information Technology, Electronics, Mechatronics and Biomedical Engineering. People involved here are highly qualified engineers, business personnel along with our faculty teachers and qualified scientists as well and all are the alumnus of the department of Applied Physics and Electronic Engineering, University of Rajshahi.

The resource personnel working in the company have been consistently providing reliable support services and consultancy to a wide variety of corporate houses either in the capacity of business entrepreneur, executive or as consultant. Bottom line of the company philosophy is building a long-term business partnership with its clients where interpersonal relationship, reliability, assured quality and target oriented modern technology are the major building blocks.

It is a company where professionals from both technical and functional field group together with an objective of providing appropriate business solutions. It realizes the importance of functional knowledge and its impact in developing business solutions. We constantly strive to be a leading technology firm with profound business and functional knowledge. The key to the company's success is to maintain the close working relationship with the clients through ensuring the best possible solutions to their needs; to establish and maintain a thorough knowledge and understanding of client's objective and help them maximize the benefits.

We want to establish ourselves as the best choice in Healthcare

DR. MUMNUNUL KERAMAT

PROFESSOR (RTD)
DEPT. OF APPLIED PHYSICS AND ELECTRONIC
ENGINEERING
UNIVERSITY OF RAJSHAHI



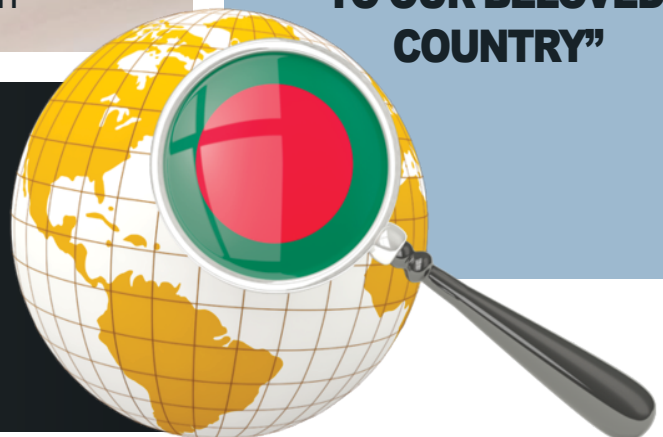
MESSAGE

FROM CHAIRMAN

apal

In the age of social networking, the global market has become more competitive because brand values and practices are being scrutinized every day. As a growth believer, we will raise our bar to overcome any challenge from competitors, because our goals are realistic and we want to take our beloved country to a newer height. We value and honor customer's expectation and our dedicated teams are working harder in meeting their expectations. We are bringing in global technologies to produce cutting-edge products maintaining price, value and quality. We have a wide range of technology products available all over the world and we will not be complacent with excellence only, we want to outperform our-

**“WE ARE TAKING
BANGLADESH
TO THE WORLD
AS WELL AS BRINGING
THE WORLD
TO OUR BELOVED
COUNTRY”**






MD. NURUL ISLAM

M.Sc. in Applied Physics and Electronics

MESSAGE FROM MANAGING DIRECTOR



We are fully committed & dedicated in providing the standard & acceptable solution to our client based on their requirement. We are working to build a safe and reliable workplace for our employees and to ensure better world for our upcoming generation. Our customer will tell for us and therefore we are committed to give our excellent service for our customer. We are striving to be true global company by realizing and by improving our technical strength and by upholding our ethics. We are committed to improving the quality of life of our employees, their families and the community by being

Our Vision



Our Vision is to

achieve 100% customer satisfaction

by delivering quality products and services at an affordable cost. Our forward vision is to strive to become an entity in technology based corporate solutions, capable of demanding unconditional response from the targeted niche.

We also believe

that for our scope of improvisation –

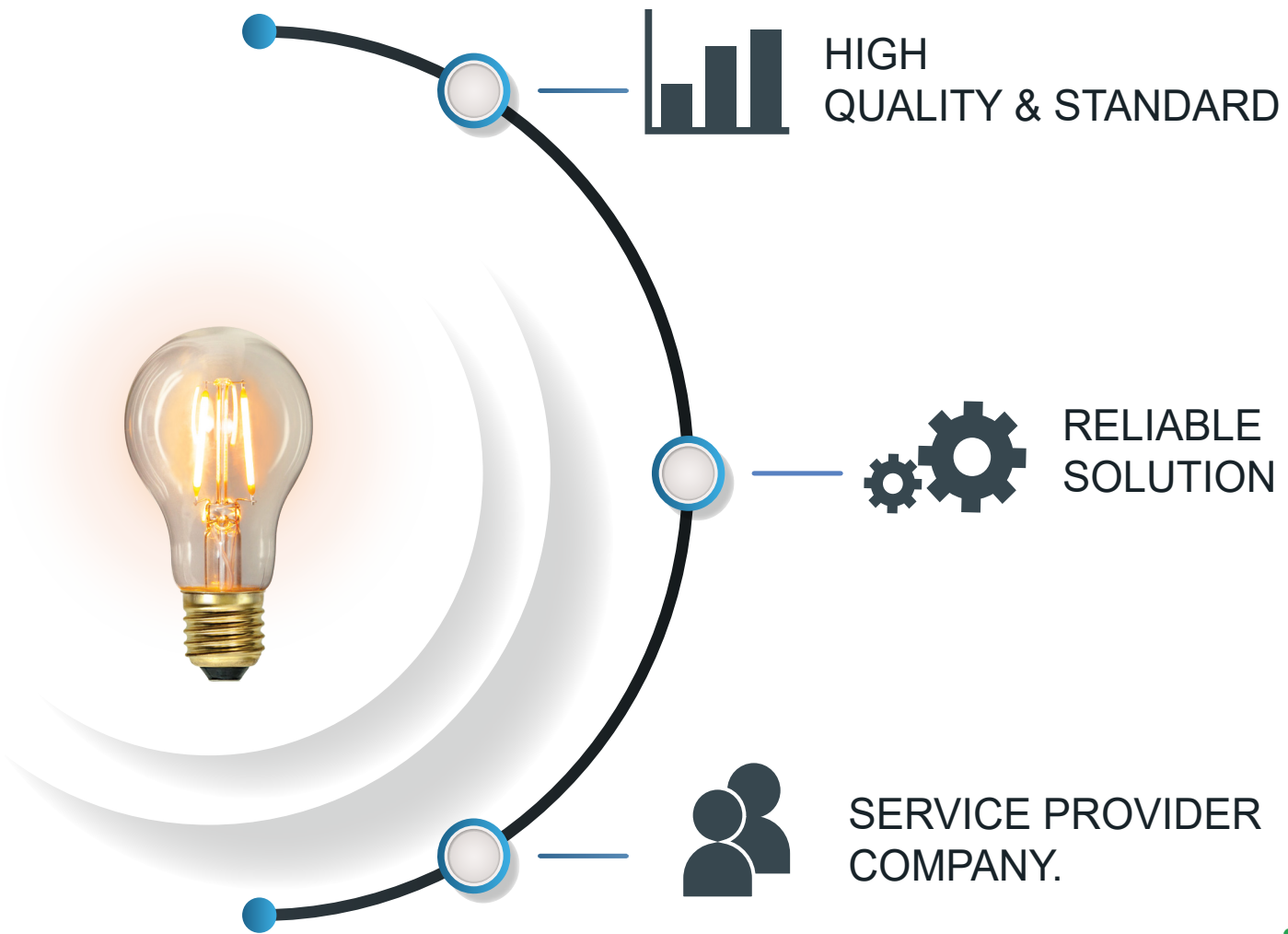
sky is the limit

and we are always ready to take our achievements to the next level. We are growing and would always like to remain on the growing streak.

OUR MISSION



OUR MISSION IS TO ACHIEVE THE REPUTATION OF A QUALITY, HIGH STANDARD & RELIABLE SOLUTION & SERVICE PROVIDER COMPANY.



CORE

VALUES



OUR KEYS FOR DEVELOPMENT

- ✓ DESIRE FOR EXCELLENCE
- ✓ TRUST AND CONFIDENCE BUILD-UP
- ✓ INNOVATION
- ✓ TRANSPARENCY
- ✓ TEAMWORK

WE BELIEVE IN

- MOTIVATION ✓
- RESPONSIBILITY AND LEADERSHIP ✓
- PROFESSIONALISM AND ETHICS ✓
- ADDING VALUES TO OUR CLIENT NEEDS ✓
- KEEPING CONTRIBUTION TO SOCIETY ✓



OUR ADVISORS



PROFESSOR DR. SAYEEDUR RAHMAN KHAN

(ADVISOR)

Professor(Rtd.),
Dept. of Applied Physics and Electronic
Engineering, University of Rajshahi,
Ex-Vice Chancellor,
University of Rajshahi
Ex-Ambassador,



PROFESSOR DR. M ABDUS SOBHAN

(ADVISOR)

Professor(Rtd.),
Dept. of Applied Physics and Electronic Engineer-
ing, University of Rajshahi
Vice Chancellor,
Prime University
Ex-Executive Director
Bangladesh Computer Council



A S M FIROZ (ADVISOR)

M.Sc in Applied Physics and Electronics,
University of Rajshahi
Ex-Chairman,
Bangladesh Atomic Energy Commission

OUR ADVISORS

SARWAR AHMED (ADVISOR)

M.Sc in Applied Physics and Electronics,
University of Rajshahi

Managing Director,
Circle Holdings Limited

Director,
SINAMM Engineering Limited



MD. AMIRUZZAMAN (ADVISOR)

M.Sc in Applied Physics and Electronics,
University of Rajshahi

Sr. Radio Frequency Engineering Lead
Rotary and Mission Systems (RMS)
NASA/Lockheed Martin Corporation,
United States of America



DR. SHAH JAHAN MIAH (ADVISOR)

M.Sc in Applied Physics and Electronics,
University of Rajshahi

Associate Professor,
Information Systems (IS)

Victoria University Business School
Victoria University, Melbourne, Australia



Our Solutions



Engineering Products and Services (Electrical, Electronics and Mechatronics)

- Import & Distribution, commissioning of Electronic Goods and its related accessories.
- Commissioning and servicing of High Quality standard safety Lifts, Elevators, Escalators, walk-ways etc.
- Commissioning, and servicing of Generator (Diesel, Gas, Dual fuel)
- Industrial Erection, commissioning, running and servicing of (Optimization, automation, Control system, Instrumentation, Electrical works and so on)
- Security and Surveillance Systems
- HVAC Control System
- Fire Safety and Security Systems
- Building Management System (BMS)
- Lightning Protection System



IT Products and Services



- ICT Consultancy & Automation
- ERP Implementation
- IOT Solution
- Software Development
- Network & Infrastructure Services
- Cyber Security

Healthcare Products and Services

- Import & Distribution of Biomedical Equipment
- Biomedical Equipment Service Provider
- Biomedical Equipment Consultancy
- Healthcare lab equipments and devices
- Pharmaceutical production & testing laboratory equipments
- Biotech and tissue culture laboratory testing equipments



Our Strength and Expertise in Engineering (Electrical, Electronics and Mechatronics)



MD. MONWAR HOSSAIN

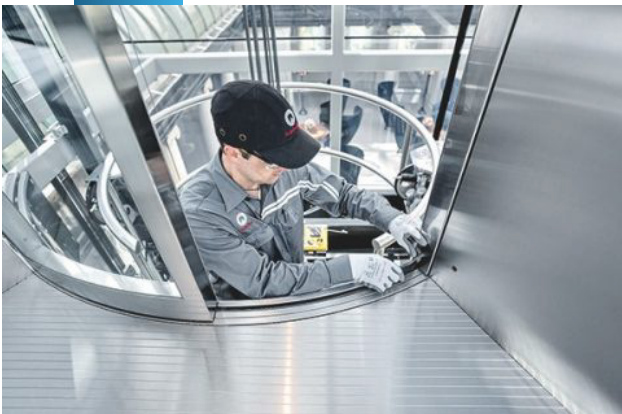
M.Sc in Applied Physics and Electronics,
University of Rajshahi

Having exclusive home & abroad training,
higher education and more than 36 years
working experience in marketing, sales and
engineering services.

MD. SULTAN ALI

M.Sc in Applied Physics and Electronics,
University of Rajshahi
Additional chief engineer (Rtd.),
Bangladesh Betar

Having exclusive home & abroad training,
higher education and more than 32 years
working experience with specialization in
the field of transmission, broadcasting,
communication engineering.



MD. HAFIZUR RAHMAN

M.Sc in Applied Physics and Electronics,
University of Rajshahi

Having exclusive home & abroad training,
higher education and working experience
with specialization in the field of elevator,
escalator and walk-way more than 19 years.

MD. ABDUL MATIN

M.Sc in Applied Physics and Electronics,
University of Rajshahi

Having exclusive home & abroad training,
higher education and working experience with
specialization in Fire detection & protection
system, access control & attendance system,
building management system (BMS), security
& surveillance systems more than 16 years.



Our Strength and Expertise in Engineering (Electrical, Electronics and Mechatronics)



MD. ABDUL JABBAR

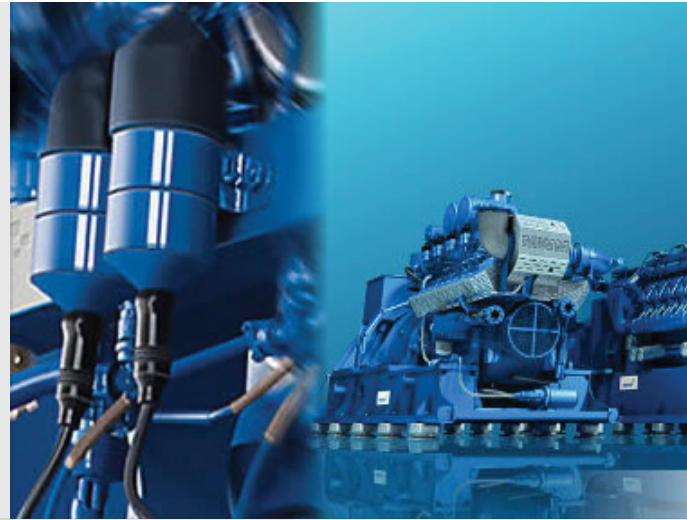
M.Sc in Applied Physics and Electronic Engineering
University of Rajshahi

Having exclusive home & abroad training, higher education and working more than 14 years experience with specialization in industrial engineering

MD. AMIRUL ISLAM

M.Sc in Applied Physics and Electronics,
University of Rajshahi

Having exclusive home & abroad training, higher education and more than 12 years working experience in Sales & Marketing and engineering service of Electrical and Electronic goods as well as Electrical Sub-station, Gas & Diesel Generator with spare parts. Capable to execute any generator based project.



MD. MANIRUZZAMAN

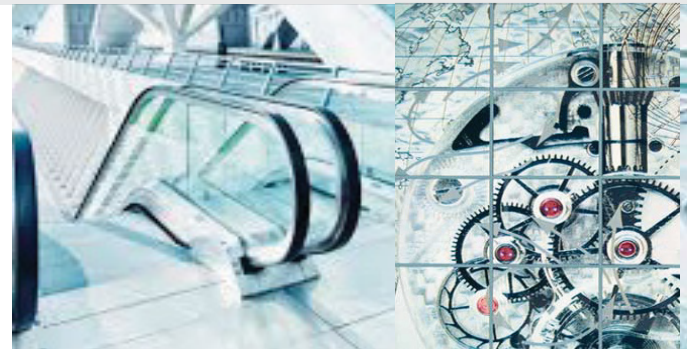
M.Sc in Applied Physics and Electronic Engineering
University of Rajshahi

Having exclusive home & abroad training, higher education and more than 10 years working experience with specialization in Sales & Marketing and engineering service of Electrical and Electronic equipments and devices.

MD. MILTAN SARDER

M.Sc in Applied Physics and Electronic Engineering
University of Rajshahi

Having exclusive home & abroad training, higher education and more than 10 years working experience with specialization in the field of elevator, escalator and walk-way.



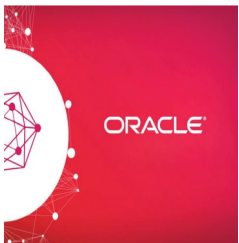
OUR STRENGTH AND EXPERTISE IN IT SECTOR



MD. NURUL ISLAM

M.Sc. in Applied Physics and Electronics

Having exclusive home & abroad training, higher education and more than 27 years working experience in the field of Information Technology product and services with specialization in Microcontroller programming, Adriano and Microsoft azuremin IOT. Specialization on developer suite and oracle apex. Having experience on many ERP project development and implementation of large public and corporate organization.



HASNATH FATHEMA

M.Sc. in Applied Physics and Electronics

Having exclusive home & abroad training, higher education and more than 17 years working experience with specialization in the field of Information Technology, specifically, in areas of Oracle AppsDBA, Managing and Administrating Oracle ERP, Oracle E-Business Suite R12, Oracle Database Administration, Database implementation, Backup and Recovery, Database Maintenance, troubleshooting, performance tuning and documentation.



MD. ABUL BASHAR SARDER

M.Sc. in Applied Physics and Electronics

Having exclusive home & abroad training, higher education and more than 16 years working experience with specialization in with business process automation & requirement analysis, software project management, software development & implementation and maintenance & support management based on client's requirement.



MD. RAKIBUL HUQ

M.Sc. in Applied Physics and Electronics

Having exclusive home & abroad training, higher education and more than 16 years working experience with specialization in network and security.

Our Strength and Expertise in Healthcare Sector

MOHAMMAD HASHIM

M.Sc. in Applied Physics and Electronics

Having exclusive home & abroad training, high education and more than 20 years working experience for Technical support of Medical Equipment of world reputed company in Bangladesh, conduct Installation, commissioning of Medical Equipment and technical training to clinical staff as well as managing project work.



MD. ABDUL HALIM

M.Sc. in Applied Physics and Electronics

Having exclusive training, higher education and more than 20 years working experience in the field of biomedical engineering, specially in installation & demonstration to the users and after sales support of various biomedical equipments like Angiogram / Cathlab, X-Ray Machine, Ventilator, EET Machine, C-arm, Mammography, Ultrasound – Echo & Color Doppler, Digital EEG/EMG/NCS System, Diathermy, OT Light, Pulse Oximeter & Capnography, Infant warmer and Incubator etc.





A.K.M. NOOR-E-ALAM

M.Sc. in Applied Physics and Electronics

Having exclusive home & abroad training, higher education and more than 19 years working experience in the field of biomedical equipment and service, specially Radiology and Imaging Equipments, like X-Ray Machine 100 to 1000mA, DR (Digital Radiography), C-arm, Mammography, Ultrasound – Echo & Color Doppler, ETT, Digital EEG/EMG /NCS System, Diathermy, OT Light, OT Table, Operating Microscope, Pulse Oximeter & Capnography, I ABP Machine, ESWL (Extra Corp ral Shock Wave Lithotripsy), CCU, ICU and NICU equipments.



sales



MOHIUDDIN

M.Sc. in Applied Physics and Electronics

Having exclusive home & abroad training, higher education and more than 10 years working experience in sales and service of bio-medical equipments.

RAJU AHMED

M.Sc. in Applied Physics and Electronic Engineering

Having exclusive home & abroad training, higher education and more than 10 years working experience in installation & demonstration to the users and after sales support of various biomedical equipments like X-Ray Machine, Mammography, C-arm, ECG, OT Light, OPG (2D, 3D), Auto Film Processor , Digital x-ray, Ultrasound, Patient Monitor, Pulse Oximeter, Cath-lab, Auto Injector, Computed Radiography, etc.



Other associates concerned with APAL



OUR Professors

DR. MD. DELAWAR HOSSAIN
Dept of EEE, IIUC

DR. ABU BAKAR MD. ISMAIL
Dept of EEE, RU

DR. SHAMIM AHMAD
Dept of CSE, RU

DR. AHSAN-UL-AMBIA
Dept of CSE, IU

DR. MD. MAHBUBAR RAHMAN
Dept of EEE, IU

DR. JOHURUL ISLAM
Dept of EEE, RU

DR. HALIDA HOMYARA
Dept of ICE, RU

DR. RUBAIYAT YASMIN
Dept of CSE, RU

DR. MD. ROKANUJJAMAN
Dept of CSE, RU

Other associates concerned with APAL

EXPERT IN INFORMATION TECHNOLOGY

S N M Akhtaruzzaman
IT Consultant

A. K. M. Shamsul Haque
IT Consultant

Md. Ziaur Rahman
Have 15 years experience in software development and marketing

SK Salah Uddin
Expert in Network Administration

Md. Sultanul Arafin
System Analyst

Md. Moklesur Rahman
Radar Engineer


Md. Azizul Alam
Operation & Maintenance Engineer in Telecommunication

Abu Sayed Faruq Ahmed
Network Administrator

Md. Maudud Al Raj
Network Administrator

Tanusree Biswas
database Administrator

S.K.M. Rahat
Network Engineer



**Other
associates
concerned with
APAL**

EXPERT IN HEALTHCARE EQUIPMENT

MD. JABED RABBANY

MD. ABU BAKAR SIDDIQUE

MD. ASHADUZZAMAN

MD. ALAMGIR KABIR

MD. FARID HOSSAIN

ABDUL BAREK MD. HANIFUZZAMAN

MD. NOBIUL ISLAM

PROBIR KUMAR CHAKRABORTY

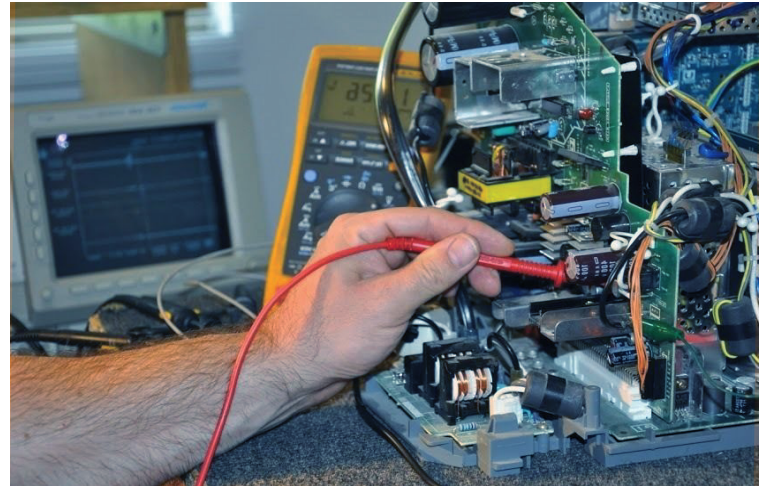
MD. ABUL HASAN

MD. KHAIRUL HASSAN

Other associates concerned with **APAL**

Expert in Electronics

MOHAMMAD AHSAN ULLAH
MOHAMMAD TARIQUE ABDULLAH
MD. ATAUR RAHMAN
MD. RUHUL BAYATI
MD. MORSHEDUL ALAM
IFTEKHAR MD. NOOR



MD. MOSHARROF HOSSAIN
General Manager (Rtd.), Petrobangla

MD. ANOWARUR RAHMAN
Director (Exploration) (Rtd.), BAPEX

MD. MOSIR UDDIN MONDAL
General Manager (Rtd.), BAPEX

MD. ANISUL HAQUE SARKER
General Manager (Rtd.), Petrobangla

MD. ABDUL HALIM
Manager (Electronics), BAPEX

RATAN CHANDRA ROY
Assistant Manager, BAPEX



EXPERT IN
**COMMUNICATION
ENGINEERING**

MUSTAFIZUR RAHAMAN TALUKDER

Additional Chief Engineer (Rtd.)
Bangladesh Betar

ABU TABIB MD ZIA HASAN

Additional Chief Engineer
Bangladesh Betar

MD. ABDUL QUDDUS DEWAN

Deputy Secretary (Rtd.)
Ministry Of Science and Techonology

MD. MUHIUDDIN KHAN

Deputy Secretary (Rtd.)
Ministry Of Science and Techonology

M ABDUS SAMAD AZAD

Air Commodore (Rtd.)
Bangladesh Air Force

MD. TOWFIQUL ISLAM

Ex. Maintenance and Installation Engineer,
Soudi Security Force for wireless radio, KSA

A. K. M. MASUM

Telecommunication Engineer

MOHD. GOLAM KIBRIA BHUYAN

Ex. Maintenance and Installation Engineer,
Soudi Security Force for wireless radio, KSA



MD. TAZUL ISLAM

Joint Secretary (Rtd.)
Ministry Of Public Administration

MAHESH CHANDRO ROY

Joint Secretary (Rtd.)
Ministry Of Primary and Mass Education

MD. AMINUL HAQUE

Deputy Director (Rtd.)
Bangladesh Standards and Testing Institution (BSTI)

ABDUL KHALEQUE

Secretary
Bangladesh Water Development Board

Sales AND Marketing

EXPERT IN



Md. Zahidul Islam

Md. Ebadat Hossain

Md. Rofiqul Islam

Md. Ahasan Habib Rony

Md. Shafiqur Rahman

Other associates concerned with

APAL



MD. EMDADUL HAQUE
Head of purchase
Padma group of converters

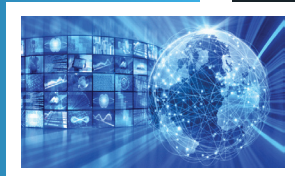
MOHAMMAD LUTFOR RAHMAN
Head of purchase
Radisson Blu, dhaka

MD. HAMIDUR RAHMAN
Expert in Logistic support

MD. ABDUL HAKIM
Expert in Logistic support



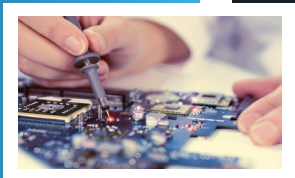
MD. AMZAD HOSSAIN
Scientist



A. K. M. AMINUR RAHMAN
Expert in Media



ABU SADAT MOHAMMAD SAYEM
Expert in Analytical Instrumentation



MD. INSER ALI
Ex-GM, Palli Biddut Samity, Thakurgaon



MD. RABIUL ISLAM
Expert in Pharmaceutical Equipment

Boropukhuria Coal Mine Ltd.

Store Inventory Management System

Bapex Ltd.

E-store Inventory Management system

ERP for Eastern Refinery

Human Resources Management System

Payroll Management System

Financial Management System

Inventory Management System

Recruitment Management System

Medical Check Management System

Bangladesh Bridge Authority

Human Resources Management System

Accounting Management System

Payroll Management System

Vehicle Management System

Store Inventory Management System

Asset Management System

Rural Power Company

Financial Management System

Pally BiddutSamity

Electric Bill Procurement

Bill Collection

Ageing of Accounts

One Point Service

**“Done Projects”
by the Expertise
from their own source**

As a Team Leader
Mr. Nurul Islam

was responsible
for these
projects

As a Team Leader

MRS. HASNATH FATHEMA

was responsible for the following projects

LICT (a World Bank Project): Bangladesh Computer Council (BCC).

- ✔ Installation and Configuration of Oracle ERP Oracle E-Business Suite R12 for LICT in Bangladesh Computer Council, including Cloning, Patching and Up gradation. Managing users and maintaining time to time administration of Oracle EBS ERP system.

Renata Pharmaceutical Limited:

- ✔ Installation and Configuration of Oracle E-Business Suite Release 12 including Cloning, Patching and Up gradation.
- ✔ Installation and Configuration Oracle 11gR2 Real Application Cluster in RHEL 5.7, configure DNS and EMC storage for Cluster.

Genesys Technology Group – GTG:

- ✔ Installation and Configuration of Oracle ERP Oracle E-Business Suite Release 12 including Cloning, Patching and Up gradation. Managing users and maintaining time to time administration of Oracle EBS ERP system.
- ✔ Installation and Configuration Oracle 11gR2 Real Application Cluster in RHEL 5.7, configure DNS and Dell EqualLogic storage for Cluster.
- ✔ Installation and Configuration Redhat Enterprise Linux 5 Cluster, along with Dell Equal logic Storage system.

Bangladesh House Building Finance -BHBFC:

- ✔ Installing Oracle Database 11gR2 and Oracle Application Server 10g in RHEL 5
- ✔ Upgrading Oracle Database from Oracle 8 to Oracle 11gR2 and which is migrated from AIX to Linux.

Bangladesh Post Office –Dhaka GPO:

- ✔ Installation and Configuration Oracle 11gR2 Real Application Cluster in RHEL 5.7
- ✔ Configuration DNS and Dell Equal Logic storage for Cluster.

Destiny Group:

- ✔ Database upgradation from Oracle 9i (9.2.0.1) to Oracle 11gR2.
- ✔ Oracle database 11gR2 (11.2.0.1) platform migration from 32 bit Windows 2003 server to 64 bit Redhat Enterprise Linux 5.7 server.
- ✔ Oracle 11g Active Data Guard implementation.

Warid Telecom:

- ✔ Upgrade Oracle 10gR2 from version 10.2.0.1 to version 10.2.0.4. OS- HP-UNIX.
- ✔ Banglalink Digital Communications:
- ✔ Installation Redhat Enterprise Linux RHEL5 and configure various Linux services and storage. Install and configure Oracle 10gR2.

As a Team Leader
MRS. HASNATH FATHEMA
was responsible for these projects

Sonali Bank Limited:

- ✔ Installation and Configuration Oracle Fusion Middleware Cluster 11g / Web Logic Cluster and deploy application on it.

Pubali Bank Limited:

- ✔ Installation and Configuration Oracle 11gR2 Real Application Cluster in RHEL5.
- ✔ Recover 3TB Database from Oracle 11g RAC server to standalone server.
- ✔ Regular Support of Production and DR Site of Database and System level their Core Banking Application.

National Bank Ltd – Card Division:

- ✔ Installation Oracle Database 10gR2 and Oracle 10g Application Server.
- ✔ Implementation Oracle Database RMAN Backup policy and Recover policy. OS- Solaris SPARC.

Southeast Bank Ltd:

- ✔ Oracle RMAN Recovery of production server, dated Nov 14, 2009. Oracle 10gR2 Database platform migration from sun XEON to SPARC server. Online Support to current DBA team.
Platform: Sun Solaris.
Database: Oracle 10g
Application: Bank Altimus.

Islami Bank Bangladesh Ltd:

- ✔ Installation Oracle Database 10gR2, RMAN Backup and Recovery implementation and maintenance.

City Bank Ltd:

- ✔ Installation and Configuration Oracle 11gR1. Configure 11g Active Data Guard. OS- RHEL5.

GTCL West Zone SCADA Project(Tangail to Khulna)

- ✔ Electrical erection
- ✔ Instrumentation & Control system erection
- ✔ Air conditioning system
- ✔ Generator 7 set
- ✔ Substation
- ✔ 2 years Operation & Maintenance after commissioning this project

MAX Kushiara Power Company Ltd., Fenchugonj

- ✔ Electrical erection
- ✔ Instrumentation & Control system erection

Doreen Power Generations and Systems Limited

- ✔ Automatic Tank gauging system
- ✔ SO₂ Monitoring & Control system

Northwest Power generation Co. Ltd. Khulna

- ✔ Automatic Tank gauging system
- ✔ Automatic Fuel Transfer System

**As a Project engineer
Md. Abdul Jabbar
was directly involved
to implement
these projects**

Super Petrochemical Pvt. Ltd, Chittagong

- ✔ Electrical erection
- ✔ Instrumentation & Control system erection

Promita LPG of RUNNER GROUP, Mongla

- ✔ Air Conditioning system
- ✔ Lighting Protection system

SKS LPG Plant, Mongla

- ✔ Air Conditioning System

Summit Meghnaghat Power Company Ltd.

- ✔ Automatic Tank gauging system
- ✔ Automatic Firefighting system

Bangabandhu Jamuna Multipurpose Bridge

- ✔ Erection & Commissioning of TRAIN Load Monitoring system for both end Jamuna Bridge

Jamuna fertilizer Company Ltd.

- ✔ 5.4 MW Gas Turbine Erection

Social Responsibility



GREEN WORLD FOR NEXT GENERATION

We believe that our client, our company and our society should progress together. We are also dedicating our efforts to realizing the dreams of our little ones.

We have a pledge to donate a portion of our revenue to help to ensure the education of disadvantaged children and to develop skilled manpower in Bangladesh.

apal & You:

Together We Bring Changes, So...



CONTACT US

House -22/15, Khilji-Road, Mohammadpur, Dhaka - 1207



+88 02 2222 48552



info@apal-bd.com



www.apal-bd.com

