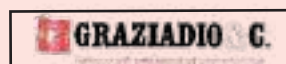


PROACTIVE  
ORGANIZATION  
WITH  
EXCELLENT  
RESOURCES (3M) &  
technology to  
reach  
all  
classes

Protec Electronics Ltd.  
Protec Power Systems  
Powermann Solution Ltd.  
[knoprotec.com](http://knoprotec.com)  
[ohmistiry.com](http://ohmistiry.com)



## **VISION**

Our Vision is to establish a World Renowned Brand Image of POWERtrac with Energy Efficiency that touches Human Life. We will achieve this through Total Satisfaction of Customers with Best Practices of TQM, 5S and QC Circle throughout our Organization.

## **MISSION**

Our Mission is to be the Market Leader in all Electrical, Mechanical, Gas, Steam and Water Solutions.

## **QUALITY POLICY**

Quality product is not an accident. In our case, it's tracking starts from selection of Vendors, Purchasing Process, Production Process and Continues till Routine & Type Tests, Commissioning and Collecting feedback and our Policy is to Delight the Customer with Total Quality in Products and Services before and after Sales.



# MESSAGE

Since its inception in 1999, Protec Electronics Ltd. has scaled new heights in last 3 decades in different fields of Engineering and achieved success by making its presence felt throughout the Country and some parts of the World. Where there is a matter of safety, most unit heads call POWERtrac, yes, this concept has been already established in our country.

It's my privilege and honor to pen this message as the Managing Director of the Pivoted Group of Companies under the aegis of POWERtrac.

Whilst Substations, Generators, Switchgears, and Associated Equipment electrification erection remain at the core of what we do; we also serve our Esteemed Customers with Turn-Key Projects, EPC Projects and Annual Maintenance Contracts with total competence to their utter delight.



Chairman & Managing Director  
POWERtrac Group

**POWERtrac is the state of the art, a complete factory for transformers. We make everything A-Class inside the factory including designing casting, nickling, paper coating, slitting drawing and finally testing. If you think of TRANSFORMER, keep confidence that POWERtrac is the best.**

**All these have been possible because of our "Team-Playing" as our people have been our Treasured Resources for the Company, who worked relentlessly with the Customers to meet the target. In POWERtrac Group, we pull together people from different backgrounds who are specialists in their own field and committed to their respective responsibilities.**

Before I conclude I would like to extend my heartfelt thanks and gratitude to all my Associates, my Esteemed Customers, Financial Partners, Vendors, all Govt. and Non-Govt. Departments and Agencies, Local Authorities and most importantly my dear Colleagues.

**Engr. Utpal K Das  
Chairman & Managing Director  
POWERtrac Group**

## OUR MILESTONES

POWERtrac, since its inception, has been Experimenting, Researching and Developing with a number of Products and valiantly had succeeded in all its Projects like Distribution Transformer, Distribution Board, HRC Fuses, Dropout Fuses, Lightning Arresters, Single & Three Phase Digital Energy Meters.

Started trading Energy Efficient Products like MCB, ACB Switch-Socket, Magnetic Contactors, Solar Systems, MCCB, Solar Heaters, LED Bulbs and LED Tubes in 2007.

From then onwards, The Company started growing in leaps & bounds by adding a large number of Milestones, which can be listed as below:

2013: Protec Power Systems associated with INDOASIAN a company of Legrand, France

2015: Manufactured and Commissioned the first 33kV, 7.5 MVA Complete Substation in Bay Footwear Ltd.

2016: Manufactured the first 33kV, 12.5MVA Complete Substation for Amanat Shah Group Ltd. Achieved our fast-international test certificate from CPRI.

2017: Commissioned its 1st 20MVA transformer in Ghorashal Fertilizer Co., 33kV 12.5 MVA, AIS Substation 33kV 7.5MVA Substation and 6.5 MVA 33MVA, 4 Project in different Spinning, Textile and Pharmaceutical Companies.

2018: Signed agreement with Dae Woong Electrical Co. Ltd. for 33kV Substation (AIS) in 1200MW Matarbari Coal-Fired Power Plant Project, Moheshkhali, Cox's Bazar. Completed 10 no's 33kV and substations.

Achieved fastest growing brand award by ASIA-ONE Magazine.

2019: POWERtrac successfully commissioned its 12th 33kV complete Substation from it's own manufacturing.

This year we have taken the project of making CT, PT, Isolator.

Started making world class cable tray and cable management system.

We have started supplying of Radiators, Copper Strip and CRGO to other Transformer Manufacturers of Bangladesh.

2020: We Have Commissioned at least 10 Mega Project of 132KV and 33 KV of Govt and private sectors which are all big sizes.

Completed supply of GIS Ring Main Unit of 50 Nos Successfully to DESCO under single contract.

2021: Started 400KV GIS substation of Mega Project of 1200 MW (Power Plant) which is first time in the country.

Started Mega-Size factory installation in all economic zones inside the country.

Launched Training Centre, PTC (Protec Training Centre).

2023: POWERtrac successfully commissioned 2 nos Compact Substation, 2 nos 1250 kVA 33/0.415 KV, 800 kVA 33/0.415 KV, 630 kVA 33/0.415 KV Subsation at Bangabandhu Sheikh Mujibur Rahman Tunnel.

## INDUSTRIES WE SERVE

- Renewable Energy
- Power Industry
- Oil & Gas Industry
- Textile, Garments & Knitting
- Refinery & Petrochemicals
- Telecom
- IT Industries
- Economic Zones
- Paper Mills and Steel Industry
- High-rise & Commercial Complex.
- Cement Industry
- Spinning & Jute Mills
- LNG Industries
- POWER Plants
- Pharmaceuticals
- Food Processing Industry

## INFRASTRUCTURE

While Brain of the Company is employees, the Heart is its Infrastructure. Infrastructure is the backbone of our business and because of our state-of-the art and elaborate infrastructural facilities; we have been able to develop a wide range of World class products which have been well accepted and appreciated by our esteemed Clients.

**FACTORY :** 60,000 sq.ft. Shaded Area and 250,000 sq.ft. Open Space.

a) Transformer Services –  
 Tan delta & Capacitance measurement  
 Retrofitting of OLTC  
 Functional Test  
 Meter Calibration  
 Turn Ratio  
 OLTC Servicing  
 Dissolved Gas Analysis (DGA)

b) Generator Diagnostics –  
 Condition Monitoring  
 Diagnostic Testing  
 Infrared camera inspection  
 c) Circuit Breaker –  
 Contact Resistance Measurement  
 Measurement of Closing & Opening time  
 Dew Point Measurement

### Testing Facility :

We have all the **Mechanical** as well as **Electrical** Testing Facilities under one roof in our Factory. All Electrical Test Equipment are specifically barricaded with adequate Earthing and Red Light Warning for human and material safety. Similarly, Mechanical test facilities; particularly the high end Machines are properly grouted and aligned for accurate functioning. These have also been located in a planned way keeping in mind ease of operations and safety.

## LIST OF ELECTRICAL & ALLIED EQUIPMENT

01	DIMMERSTAT / AE	2 NOS.
02	CURRENT TRANSFORMER	3 NOS.
03	POTENTIAL TRANSFORMER	1 NO.
04	LOADING TRANSFORMER	1 NO.-
05	INTERMEDIATE TRANSFORMER	1 NO
06	FREQUENCY GENERATOR WITH PANEL SET	1 SET
07	CAPACITOR	50 NOS.
08	HIGH VOLTAGE SET WITH PANEL	1 NO.
09	POWER ANALYZER	1 NO.
10	PANEL FOR LOSS MEASUREMENT	1 NO
11	OIL TEST SET	1 NO.
12	OHMMETER	1 NO.

13	TURN RATIO METER	1 NO.
14	INSULATION TESTER	1 NO
15	NOISE LEVEL METER	1 NO.
16	CT	1 NO.
17	DIGITAL WATT METER (MASTER METER)	1 NO.
18	HIGH VOLTAGE TEST SET	1 NO.
19	HT WINDING MACHINE	3 NOS.
20	INSULATION CUTTER	1 NO.
21	LOW VOLTAGE TEST SET	1 NO.
22	LT HIGH VOLTAGE TEST SET	1 NO.
23	LT WINDING MACHINE	2 NOS.
24	MEGGER - 5000V	2 NOS.
25	METER TEST BENCH	4 NOS.
26	MICRO OHM METER	1 NO.
27	OIL CENTRIFUGING M/C 600 L/H	1 NO.
28	OIL TEST SET	1 NO.
29	OIL CENTRIFUGING M/C 1200 L/H	1 NO.
30	WATT METER	1 NO.
31	WINDING RESISTANCE METER	1 NO.



## LIST OF MECHANICAL & ALLIED EQUIPMENT

S.N	ITEM	QTY	S.N	ITEM	QTY
1	ARC Welding M/C	4	23	Power Press M/C 80 mton	2
2	ARC Welding M/C	2	24	Power Press M/C 150 mton	1
3	ARC Welding M/C	2	25	Power Press M/C 40 mton	2
4	Chain Pulley	4	26	Hydraulic Trolley	5
5	Compressor	2	27	Lathe Machine 6'ft	2
6	Compressor	1	28	Lathe Machine 8'ft	1
7	Core Cutting Machine	4	29	LT Winding Machine (upto 28MVA)	3
8	Core Cutting Machine(Cut to Length)	3	30	Paddle Shearing Machine	11
9	DVDF Test Machine	1	31	Hydraulic Shearing Machine	1
10	DPC Machine	2	32	Power Hacksaw Shearing M/C	1
11	Paddle Shearing Machine	4	33	Power Shearing M/C	1
12	V-notch Shearing Machine	2	34	Spot Welding Machine	4
13	Electric Blower M/C ( Big)	1	35	V-notch Machine	2
14	Electric Blower M/C (Small)	1	36	Welding Machine (MIG)	3
15	Fork Lift	2	37	Busbar Processing Machine	3
16	Hand Ball Press M/C	1	38	Welding Machine ( Seam Welding)	1
17	Hand Drill M/C	1	39	MS Sheet Cutting	2
18	Hand Grinding M/C - 4"	3	40	MS Sheet Cutting	1
19	Hand Grinding M/C - 7"	1	41	Bending Machine	2
20	Hit Gun M/C	2	42	Hydraulic Bending Machine	1
21	Hydraulic Press M/C	2	43	Main Crane	20 Ton
22	Power Press M/C 200	1	44	Core Slitting Machine ( CNC)	1 Set



Our Cut to Length (CNC)



Our Slitting line (CNC)



CPC 100

## DIVISIONS

### COMPANY'S ACTIVITIES ARE GROUPED UNDER SIX DIVISIONS

#### ▶ MV Division Transformer

- Power Transformer
- Distribution Transformer
- Radiator
- Cast Resin Dry Type Transformer
- Compact Sub-Station & AVR

#### Switchgear

- MV Vacuum Circuit Breaker
- 33kV Outdoor Porcelain Clad VCB
- 33kV Outdoor Isolator
- Outdoor CT/PT
- Motor Control Centers
- Power Factor Improvement (PFI) Plant

#### ▶ LV Division

- DB Box
- Meter
- Industrial Light Shed
- Cable Tray & Trunking System
- Switch & Sockets, LED Street Light
- MCCB, MCB, Contractors, ACB
- ELCB, MPCB, RCCB, RCBO

#### ▶ Project & Solar Division

- Tender (All Electrical)
- EPC (Factory or Commercial)
- SUB-CONTRACTING
- Solar Panels
- Solar Pump, Inverters, Net Metering (Export-Import)
- Solar Home Lights & Fans, Decoration Light

#### ▶ BBT & Generator Division

- DG Set from Italy
- Gas Generator from China & Spain
- Busbar Trunking from Italy

#### ▶ Training Division

- Skill Development Centre for Workmen
- Training for Executives: Internal & External Faculties

#### ▶ Ecommerce

- Different type of products from different importers are available from knoprotec.com
- All Types of services & Maintenance are from ohmistiry.com

(N.B: Next : Cooling Solution, HVAC, Plastic Recycling)



(Indoor VCB's in Outdoor use in 1250 MW Matarbari Coal-Fired Power Plant)

MV DIVISION

# TRANSFORMER

## POWER TRANSFORMER

POWERtrac always uses prime grade, laser grade, silicon steel (CRGO) for the Transformers. We are using CNC Machines for Slitting, Angular Cut and V-Knotch to ensure high performance Transformers. We use only Copper Material as Strip for our Transformer Windings.

Horizontal and Vertical Laps (7step) are also used in our Transformer which is German Technology and ensure very low loss.

POWERtrac is now manufacturing 33kV 20/28 MVA Transformer built to IEC Standard. Designs are available in both off-the shelf or customized when you need specialized solutions for your own unique requirements. Our Transformers offer trouble-free operation, helping our customers make the most of their power asset by ensuring efficient use of Electric Power in a sustainable way.

When safety is an issue even in steel mills, any extreme rugged environment, use POWERtrac Transformer.



(Hazrat Amanat Shah Spinning Mills Ltd. 33/11 KV, 12.5 MVA)

## DISTRIBUTION TRANSFORMER

POWERtrac offers a complete range of Distribution Transformers suited to both Indoor and Outdoor applications in Utility, Industry and Infrastructure. The standard range includes Three Phase Transformers up to 500 kVA that meets the requirement of IEC standards. Tailor made Transformer are available, offering the "Maximum Value for Money" solution for your individual needs while still ensuring timely delivery.

Advantage:

Compact, low maintenance designs that are built for trouble-free operation , high reliability for lifetime, greater value for money , and quick delivery with international Quality at reasonable prices.



(WZPDCO 200KVA)



(ICCL 5.5 MVA & 3.5 MVA)



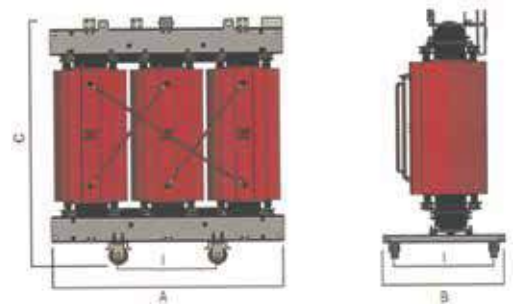


## DRY TYPE TRANSFORMER

POWERtrac is Offering Cast Resin Transformer ensuring modern design and international testing facilities.

### Features:

- Compact
- Easy maintenance
- Environment friendly
- Fire proof apart from toxic or generated gases, during fire
- Design to withstand the highest mechanical short circuit
- Stress that may occur in service Both high and low voltage coil windings are cast to prevent humidity
- High resistance against over voltage
- Low decibel
- Smaller in size



## COMPACT SUB-STATION (CSS)

POWERtrac is also offering Compact Substation in a single cubicle. Medium Voltage part with Ring Main Unit (RMU), or VCB or LBS and The Transformer (Oil type or Dry type) in the middle. The LT Switch-gear and PFI unit is on the right hand side with out put like Plug-and-Play.



(Bangabandhu Sheikh Mujibur Rahman Tunnel)

## AUTOMATIC VOLTAGE REGULATOR

### This comprises basically the following major components:

- Rolling Contact Type Voltage Regulator
- Buck/Boost Transformer
- Automatic Control Gear Comprising Driver Motor and Electronic Voltage Sensing Relay.

The variable input is boosted up or bucked down incessantly to the required level through the series winding of the buck/boost Transformer.

Applications of the Automatic Voltage Regulator are Voltage Control, providing stable voltage to Pump Motors thereby maintaining proper output and increasing efficiency, providing stable voltage to cold storages, providing stable voltage to tea processing machinery, Computers, Defense Equipment, Electronics Components processing, etc.

### These offer several advantages:

- Saving in Energy,
- Constant Voltage Output with accuracy  $\pm 1\%$ ,
- Lesser failure of Electrical Equipment,
- Improvement in Power Factor and reduction in MDI,
- Less Production Loss & Better Efficiency in Plant,
- Better utilization of existing Transformers and Cables.



(Hazrat Amanat Shah Spinning Mills Ltd.)

## SWITCHGEAR

### MV Switchgear

#### 1. 11kV Vacuum Circuit Breaker : Type Tested Assembly of Switchgear

POWERtrac has entered into a relationship with pioneering electrical technology World renowned Electrical Goods Manufacturer ABB with whose support , we will be manufacturing Type Tested Assembly of 11kV Switchgear.

We will also continue to manufacture Type Tested VCB with the Technical and Equipment Support of YAMUNA, India and BMC, India.

#### 2. 33kV Outdoor Porcelain Clad VCB

We shall soon be manufacturing Porcelain Clad Vacuum Circuit Breaker of 33 kV and 31.5 kA under Joint Venture with Axxess-7, an Indian Company of high repute. They will design the VCB with ABB Vacuum Interrupters and Manufacturing will be done in the Factory Premises of POWERtrac in Gazipur, Bangladesh.

#### 3. 33kV Outdoor Isolator

We have designed 33 kV, 31.5 kA Outdoor Isolator in our office in POWERtrac and have planned to manufacture the Sample Isolator for Testing in CPRI , India in October 2019.

We propose to commence manufacture of this Product immediately after the successful completion of the Type Test at CPRI, India.

#### 4. Outdoor CT/PT Planned

These Equipments have been designed and built in our Factory by our very own talented Engineers and planned to be tested in CPRI , India during October 2019. We will soon start manufacturing these Products on regular basis immediately soon after.

#### 5. Motor Control Centers

POWERtrac's offerings include Medium Voltage Switchboard Motor Control Centers for supply, control and protection of Low Voltage and Medium Voltage Motors. They are suited for a wide range of application. They can be air insulated and fitted with Vacuum Circuit Breakers (VCB) or come with RTUs (Remote Terminal Units). Designs are slim and smooth operation.

### POWER FACTOR IMPROVEMENT (PFI) PANEL

We manufacture Power Factor Improvement Panel for improving line power factor to up to 0.96, to be able to save energy at consumers' end and improve the quality of Power Distribution in general.

Horizontal and Vertical applications suitable for reliable Power Distribution to Industry, High-Rise Buildings, Transformer to Switchboards and Switch-Boards to loads upto 6300A, 1000V. They are widely used in Steel Rolling Mills, Cement Plant, Textile Mills, Building Segment, Chemical Industry, Sugar Plants, Hospitals, Hotels, Automobile Industries etc.



(International Classic Composite Ltd. (ICCL))



## BBT & GENERATOR DIVISION

### BUSBAR TRUNKING

POWERtrac offers Busbar Trunking (BBT) from GRAZIADIO, Italy, NAXSO, Italy & ABB, China as well as POWERtrac's own BBT assembled with technology support from Italy and China.

POWERtrac's BBT offer a safe and reliable alternative to conventional Cable Connections that are easily assembled and operate trouble-free in a vast range of environmental conditions. POWERtrac's total range includes Lighting BBT, Medium Rating BBT and High Rating BBT.



(BBT of Hams Garments Ltd, Uttara University & ICCL)

### DIESEL & GAS GENERATOR

POWERtrac is working with world renowned GENMAC from ITALY. We represent this company exclusively in Bangladesh.

GENMAC is a World renowned Generator Business Company whose products are generally used in Mining industry, Irrigation and for Heavy duty use.

KOEL green is another indian brand generator of KIRLOSKAR, which is available with us to support medium price ranged customers who seek value for money. We are also working with kiloskar compressors, chillers and other agro products.

Powerlink's generator cover various power from 5kVA to 2250kVA. These products comply with the global and regional standards and can be applied to various industries and fields. We are confident in providing a complete solution for all projects including various power stations, and we can also provide customized services based on customers' special needs.

**We also making world class canopies for other brand generators.**

For Gas Generator we are offering HIMOINSA (EU) and HORIS (CHINA).

HORIS Gas Generator is proven for more than 30 years all over the world. It is of High Power-Generating efficiency, Low Electricity Power Consumption. Once the thermoelectric cogeneration is realized, the thermal efficiency can reach more than 80%. Our Genarator Division is also offering HIMOINSA (EU).



Note: GENMAC has earned very good reputation in goverment & Private sector in Bangladesh.



## Our Generator Business at a glance:

- Selection of the Best and Optimum Technology Partner.
- Single point responsibility from "Concept-to-Commissioning".
- Multiple Project Handing Capability for reduced turn-around time.
- After-Sales Service and O&M for Life Cycle of the Plant.
- Excellence in all we do : Quality, Reliability, Efficiency and Safety.
- Our work processes are built on Cost, Time, Quality and Performance.
- We keep track of latest developments; thus, ensuring continuous upgrading.
- We take care to select the most efficient and green technology/products.
- We adhere to stringent levels of safety at every step of the process.



(Perkins / Volvo powered D.G set)



(Yanmar, Japan powered POWERtrac Bangladesh)

POWERtrac is Captive and Distributed Power Solution Provider it is a leading name in the Diesel Generator Industry having a large customer base. It's clientele comprises of Industrial Plants, Real Estate, Educational Institutions, Telecoms, Super Markets, Corporate Houses, NGOs and Embassies.

The Company is marketing Power Products of GENMAC s.r.l ; Perkins Engine UK, Cummins, Volvo , which has more than 1000 supply records in Bangladesh as well as assembled Generators. For Gas & Dual Fuel we work with HORIS (China) & HIMOINSA (EU) which is controlled from Singapore.

The Company with it's efficient fleet of Service Personnels nationwide offer round-the-clock Customer Service. It also provides Annual Maintenance Contract to both Diesel and Gas Generator users seeking instant service support. To enhance the offerings further, lately the company has started providing Turnkey Engineering Services to facilitate One-Point-Solution for its valued customers. POWERtrac is equipped with the resources and technical competencies necessary for providing both standard and customized energy related solutions for various organizations and individuals.

**READY STOCK AVAILABLE**





## PROJECT DIVISION

Project Division is working for Local and International Tenders for Power Transformers, Distribution Transformers, Meters & Metering Panels, Substation, Switching Stations etc.

Under Protec Electronics Ltd, we offer specialized Erection Service, Pre Commissioning Test, Mobilization as well as EPC Contracts including Electro-Mechanical and Civil Construction.

POWERtrac is also working in Gas Insulated Substation (GIS) in Bangladesh as the Country is going through this dramatic technological change.

We are keen to work for our customer of 100 crore to 1000 crore projects coming in all economic zones (BEZA)



(MATARBARI COAL POWER PLANT)



(KARNAPHULI TUNNEL)



(132/33KV GRID SUBSTATION UNDER BREB)

## SOLAR DIVISION

POWERtrac is the System Integrator and Installer of Solar Solutions, Manufacturer of Key Solar Components, and One-Stop Service Provider for all kinds of Solar Solutions.

### Key areas of our operations are:

**SOLAR ROOFTOP** : Protec Power Systems Provides Energy for both Office and Household. This comes as an efficient alternative to supplement Conventional Grid Energy and substitute usage of Generator. According to government rules we have supplied both OFF-GRID and ON-GRID solar rooftop systems.

The Rooftop Project installed at various Government Institution and the Private Sector have embraced solar solutions as a form of alternative form to meet the partial energy requirement POWERtrac is a major player in the development of rooftop solutions and systems installer for Bangladesh. OFF-GRID systems Need battery backup.

**Net-Metering**: The Industries who has more than 1 (one) lac sq. ft. factory rooftops, can easily install 1MW solar systems with net metering. Net metering concept is already approved by the government of Bangladesh.



**Grid Connected System:** System connected to Grid to supply power directly to the load without battery backup can reduce the electricity bill with adjustment of solar generation in Net-Metering.

Capacity Range: 3kWp – 1000kWp

**Stand-alone System:** Grid Independent Solar PV System with battery backup which mostly used in remote areas.

**Customized Solution:** We can also offer grid synchronization including BPDB, DG and Solar panel.

Beyond the above-mentioned Solutions, we provide Customized Solutions to cater to specific requirement ensuring feasibility and the highest efficiency of solutions like solar-cooking, solar-PVMPs solar Vehicle (Under R&D) etc.

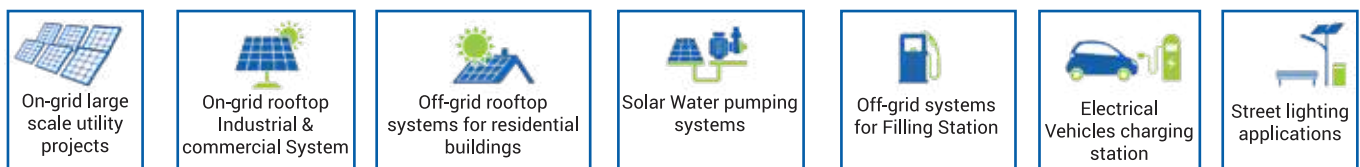
### Our Team is ready for

- Site Evaluation
- Design for Solar farms
- HV/LV Panels
- Structures (Fixed & Tracking)
- Engineering of Solar Farms to International Standards
- Third party vetting of design by top International Agencies
- Selection of components like Modules, Inverters, DC cables, Switchgears, etc.
- Off-Grid / Rooftop Solutions.

**Operations and Maintenance:** POWERtrac have trained team to support all solar power plants for its operation and maintenance.



(Solar Project of 100 KWp at Sylhet, Mymensingh & Chittagong BPDB & HAL)



## PROTEC LED BULBS & LIGHT

We are also assembling LED Tube Lights and Bulbs with high quality Toshiba chips high power LED with the technical support from DXS China.

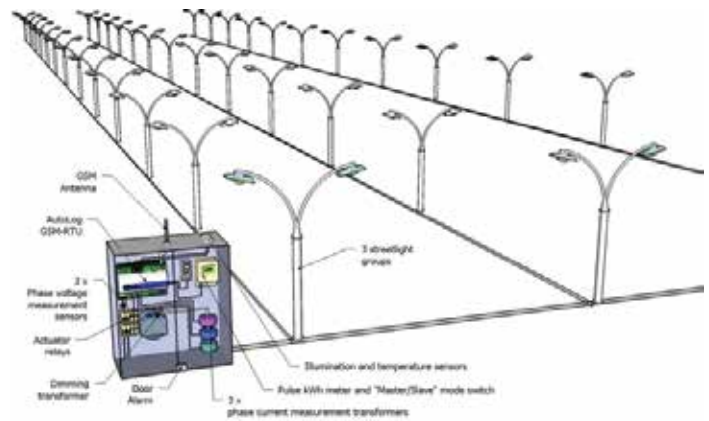




## PROTEC LIGHTING SYSTEMS



Industrial lighting Systems



Smart Street Lighting System

## SWITCH & SOCKET

POWERtrac is manufacturing PROTEC, HAUSMANN brand Switches and Sockets, wiring Accessories with technical support from SWE, UK.

We are also supplying plug in switch sockets of heavy loads of industrial use.



## PROTEC METER

POWERtrac is also in Meter Business with technical support from HANGYA, GENUS. We are assembling the Meters in PROTEC brands.



## SPECIAL TRANSFORMERS OF POWERtrac

- Furnace Transformer
- Isolation Transformer
- Rectifier Transformer
- Constant Voltage (Ferroresonant) Transformer
- Auto Transformer etc.
- Current Transformer
- Voltage Transformer

## FURNACE TRANSFORMER

POWERtrac manufactures Furnace Transformer which are being used in Steel Mills like Ripon Metal, Rani Steel Mill, Shafiul Alam Steel (SAS Group) etc. For any rugged environment POWERtrac Transformer is the best suitable solution.



## OUR SPECIAL PRODUCTS

Besides all branded electrical components like MCB, MCCB, Contactors, ACB, LED Bulbs, Tubes, Switch Sockets, Panel Light, Inverters, Multifunction Meters, Tong tester, Clamp meters and FAN, we have developed some special products:

a) SDB P, I, H series



b) Harmonic Analyzers



c) Harmonic Filter Module



## OUR OTHER PRODUCTS



MECO Multi  
Function Meter



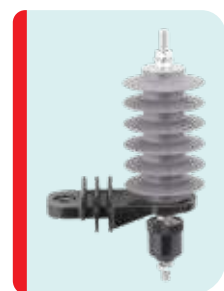
MECO Clamp  
Meter



Magnetic  
Contactor



Protec  
Drop Out Fuse



Protec  
Lighting Arrester

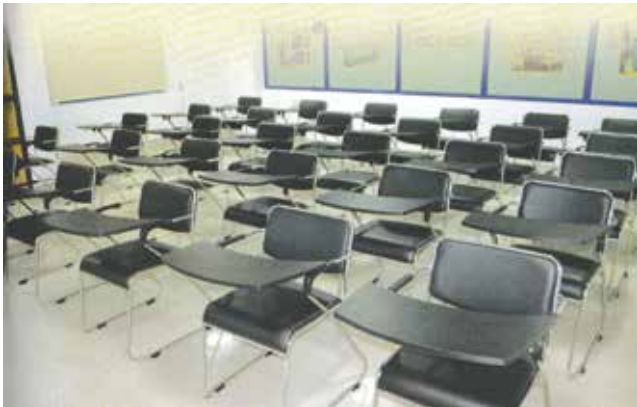


## TRAINING DIVISION

### Skill Development Centre for Workmen:

Skill Development Centre of POWERtrac group is situated in our Factory in Goshinga, Sreepur, Gazipur. This is based on needs of Industry.

This training has two parts: One is for Freshers and the Other is Inclusive-Skilling Program.



#### Our Services:-

- Training for Welder, Electricians, Winder, CNC Operators.
- Communicating Attitude & Self-Management.
- Stress Management & Creativity.
- Technology & IT skill.
- Tooling & Trouble Shooting.

We have Developed various training program for Student, Fresh Graduate Trainee, Engineers and Under Skilled Technicians.

### Training for Executives :

Company provides training for Executives at various levels on different subjects befitting to their background Qualification and Experience. Trainings are given on Quality, Organizational Development, Marketing, Finance for Non-Finance Personnels etc

Trainings are imparted either by In-house or External Faculty. Executives are also sponsored for outside Training Programmers within Bangladesh as well as Abroad.



## Industrial Electrification and Erection of Heavy Industries :

POWERtrac is also undertaking industrial Wiring & Cabling, Industrial Erection, Ducting-Plumbing, Lighting solutions for industries, Five-Star Hotels and similar projects big installations in similar project Directors (PD) and Project owners can contact for on-time completion of such projects with the support of our skilled engineers and team members.



(33KV Switchyard of Naogaon 132/33KV Grid Sub-Station)



(Matarbari Ultra Super Critical Coal Fired Power Plant Project)

## Precommissioning & Testing :

POWERtrac has completed more than 30 nos. of 132 kV, 33kV GIS/AIS Project's Installation, Testing, Pre-commissioning and Commissioning with its all logistics like high capacity Crane, Skilled Team and precision instruments like CPC-100, Micro Ohm Meter, Insulation tester, Primary injector, Secondary injector, Over head wire rope puller etc.



(CPC-100)

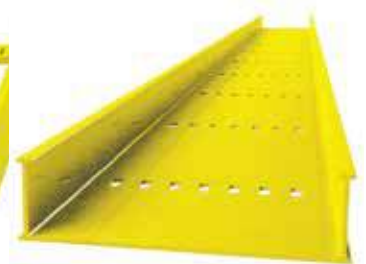


## PROTEC CABLE TRAY & CABLE MANAGEMENT SYSTEMS

1. Ladder Type Cable Tray / Mesh Type Cable Tray
2. Ventilated Trough Type Cable Tray
3. Straight Splice Plate
4. 45° & 90° Horizontal Bend, Ladder Type Cable Tray
5. Horizontal Tree, Ladder Type Cable Tray
6. Horizontal Cross, Ladder Type Cable Tray
7. 90° Vertical Outside Bend, Ladder Type Cable Tray
8. 45° Vertical Outside Bend, Ventilated Type Cable Tray
9. 30° Vertical Inside Bend, Ladder Type Cable Tray
10. Vertical Bend Segment (VBS)
11. Vertical Tree Down, Ventilated Trough Type Cable Tray
12. Left Hand Reducer, Ladder Type Cable Tray
13. Left Hand Reducer, Ladder type Cable Tray
14. Frame Type Box Connector
15. Barrier Strip Straight Section
16. Solid Flanged Tray Cover
17. Ventilated Channel Straight Section
18. Channel Cable Tray, 90° Vertical Outside Bend



Ladder Type Cable Tray



Perforated Cable Tray



(Cable Tray Project of Dhaka Metro Rail & Japan Taguchi Construction Co. Ltd.)



Laser cutting machine



Cranes 20 Ton & 5 Ton



## Few Photos of our Activities:



CSR



ANNUAL MEETING



FACTORY



FACTORY TEAM



SEMINAR



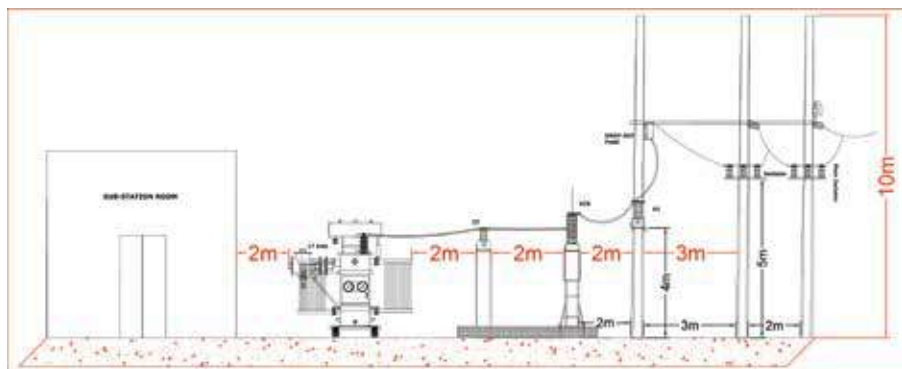
EXHIBITION



EXHIBITION



CSR



10/12.5MVA, 33/11KV, Outdoor Substation



EXHIBITION



INSPECTION



## BRANDS & ACCOLADES WON



PROTEC achieved BRONZE AWARD from NBR for VAT & TAX payment.



POWERtrac Achieved Fastest Growing Brand-2018



Our Managing Director Achieved Fastest Growing Leader Award-2018



## CERTIFICATIONS



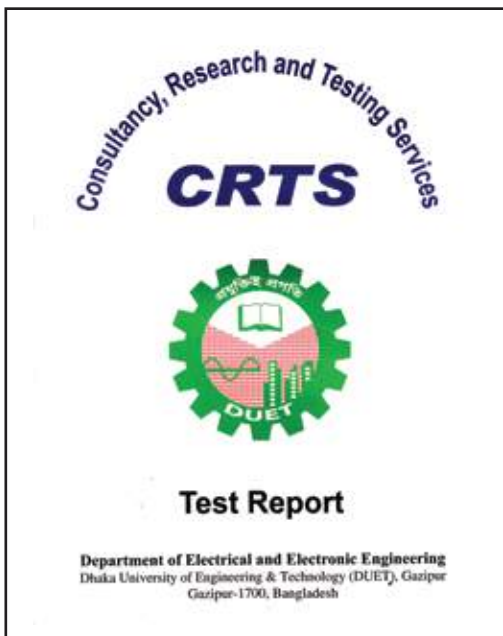
(ISO-9001:2015)



(CPRI TEST-200 KVA)



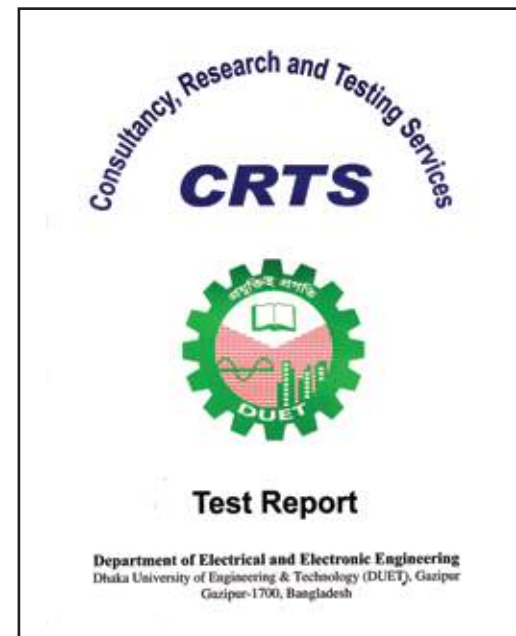
(CPRI TEST-250 KVA)



(DUET TEST-10/12.5MVA)



(KUET TEST)



(DUET PANEL TEST)



(ISO-14001:2015)



(MIST TEST)



(CUET TEST)



(MILL TEST CERTIFICATE)

## OUR CLIENTELE





## OUR STRATEGIC PARTNERS:

**ABB**

**Lucey Electric**

**DORMAN SMITH**

**MECO**  
SINCE 1962

**GENMAC**

**SunRich**

**GRAZLADIO C.**

**SWE**

**INDOASIAN**  
energy management

**HANGYA**

HAUSHALT ELEKTRISCHE SYSTEME  
**hausmann**  
BUILDING ELECTRICAL SYSTEMS

**Kinlossan**



**POWERink**  
Power Systems



CRAFTED  
WITH PRIDE  
in Brilliant Bangladesh



### Corporate Office:

House-195 (1st & 3rd Floor), Road-1,  
Mohakhali DOHS,  
Dhaka-1216, Bangladesh.  
Phone : +880 1974 655 026 / 13  
E-Mail : info@powertrac-bd.com  
Web : www.powertrac-bd.com

### Khulna:

39. K.D.A Avenue, 1st Floor,  
Khulna-9000, Bangladesh.  
Cell: +88 01975 655 562

### Bogra:

60/62, Sherpur Road,  
Satmatha, Bogra, Bangladesh.  
Cell: +88 01974 655 004

### Registered Office:

CNS Tower, 43/R/5-A, West Panthapath,  
Dhaka-1215, Bangladesh.



### Branch Office (Chittagong):

FLAT # B (4th Floor)  
ALTAF GARDEN, KUSUMBAGH R/A,  
Chittagong, Bangladesh  
Cell: +880 1975 655 567  
+880 1404 405 100

### Sylhet:

9th floor, 1008 west world shopping city,  
Zindabazar, Sylhet, Bangladesh.  
Cell: +88 01974 655 061

### Factory:

Goshinga, Sreepur, Gazipur-1740  
Cell: +880 1975 655 549 / 79

Protec Electronics Ltd.  
Protec Power Systems  
Powermann Solution Ltd.  
knoprotec.com  
ohmistiry.com

**POWERtrac**

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**PROTEC Training Center**  
Learning never exhausts the mind.