



TAS Powertek Pvt. Ltd.
W-61, MIDC, Ambad,
Nasik-422010,
M.S., India.

Web: www.taspowertek.com

E-mail: sales@taspowertek.com

Leading Through Technology



General Company Profile:

ISO-9001-2008 Company:



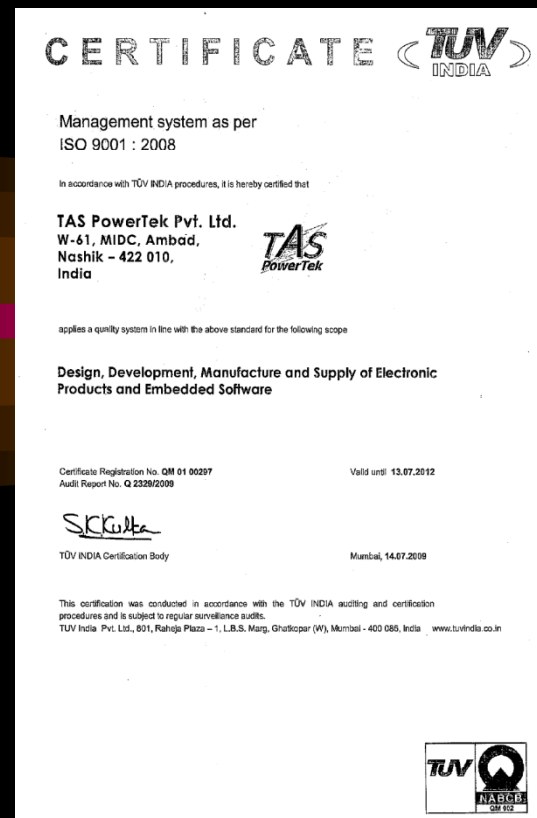
Number of Employees TAS:

Graduate:	Engineering:	9
	Others:	3
Diploma Engineering:		3
ITI Supervisors/Workmen:		16

Total Employee strength on March.2010: 31.

Factory Located at Industrial area "AMBAD – Nasik" – 165km from Mumbai International Airport. Close to National highway – NH3.

Area – 4500 Sq. Ft. (@ 2000 Sq. Ft. dust free / temp controlled)





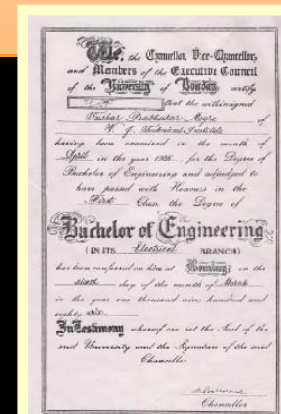
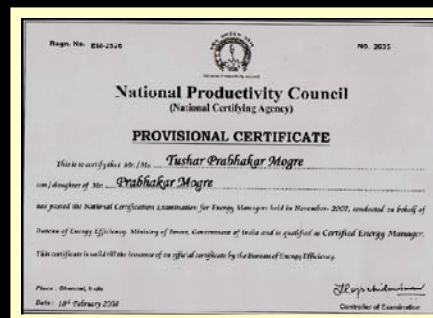
At the helm of affairs:



Qualification	Institute/University	Year of Passing and Grade
BEE Certified Energy Manager.	Bureau of Energy Efficiency. Central Government of India.	2007 November exam.
B.E. -Electrical (Specialisation: Power Electronics and Micro- processors)	Victoria Jubilee Technical Institute (VJTI), Mumbai (Bombay University - Mumbai Univ.)	1985 First Class with Honors. Stood topper in Mumbai University.

25 Years of Industrial Experience in Power electronics & Microprocessor based product development and 20years of Senior Management / Corporate experience.

Tushar Mogre.
CEO, Director:
TAS Powertek Pvt. Ltd., India.





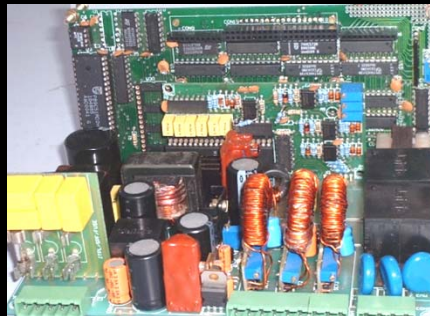
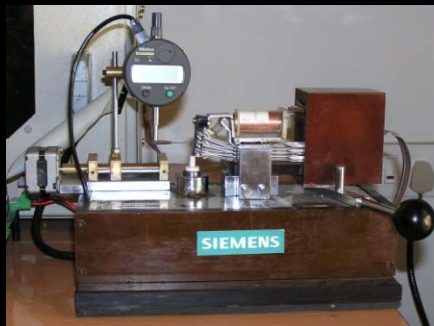
Our highly Professional & Dedicated Technical Team.



Design and Technical Team.
(in-house products design)



Electronic Products Manufacturing



Third party product development.



Our Manufacturing Capabilities:

- Manufacture of 150Nos of Controllers / day. Testing and calibration line set-up. Controllers include – APFC relays, Load Managers and Lighting controllers.
- Manufacture of 25Nos of thyristorised converters / day. Manufacture, Assembly and testing line set-up. Thyristorised converters include “Capacitor duty thyristor switches” and “Heater control units”
- Manufacture of 50Nos of reactors / day. Manufacture, Assembly and testing line set-up. Reactors include “Detuned reactors for capacitors”, “Series reactors for drives” and “Shunt reactors”.



Products & Systems:

- **Power Electronics & Microprocessor based Instruments**
 - APFC / RTPFC relays
 - Thyristorised Capacitor switches
 - Electrical Load Managers with SCADA
 - Street Lighting Controller.
- **Power Quality Improvement / conservation Systems.**
 - APFC and RTPFC systems.
 - Harmonic tuned filter system.
 - Power Conditioning system.
 - Lighting Control Energy Saver systems.
- **Manufacture of Electromagnetic Products:**
 - Tuned filter reactors.
 - Detuned reactors for capacitors.
 - Series reactors for AC/DC drives.
 - CTs and Control Transformers (upto 500VA).
- **SCADA system projects with Data logging and Data transfer vide various communication channels.**

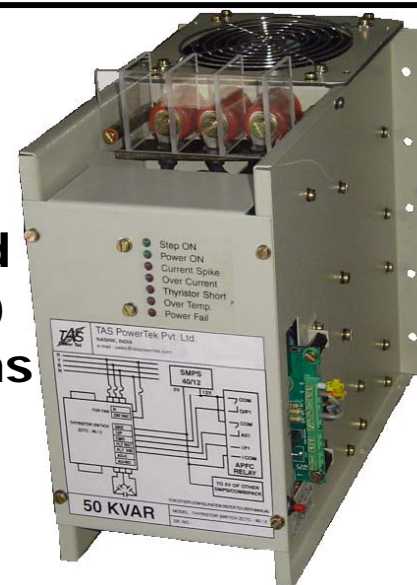


Electronic Products:



**APFC / RTPFC relays,
Electricity Distribution SCADA –
Load Managers – GSM/CDMA,
Street/Industrial/Commercial
Lighting Controllers.**

**Thyristorised
Capacitor
Switches
for High Speed
RT (Real time)
PFC applications**



**Thyristorised
Heater
Control
Module.**



Electrical Products: Split Winding Harmonic Filtering Reactor & Series / tuned / detuned Reactors.



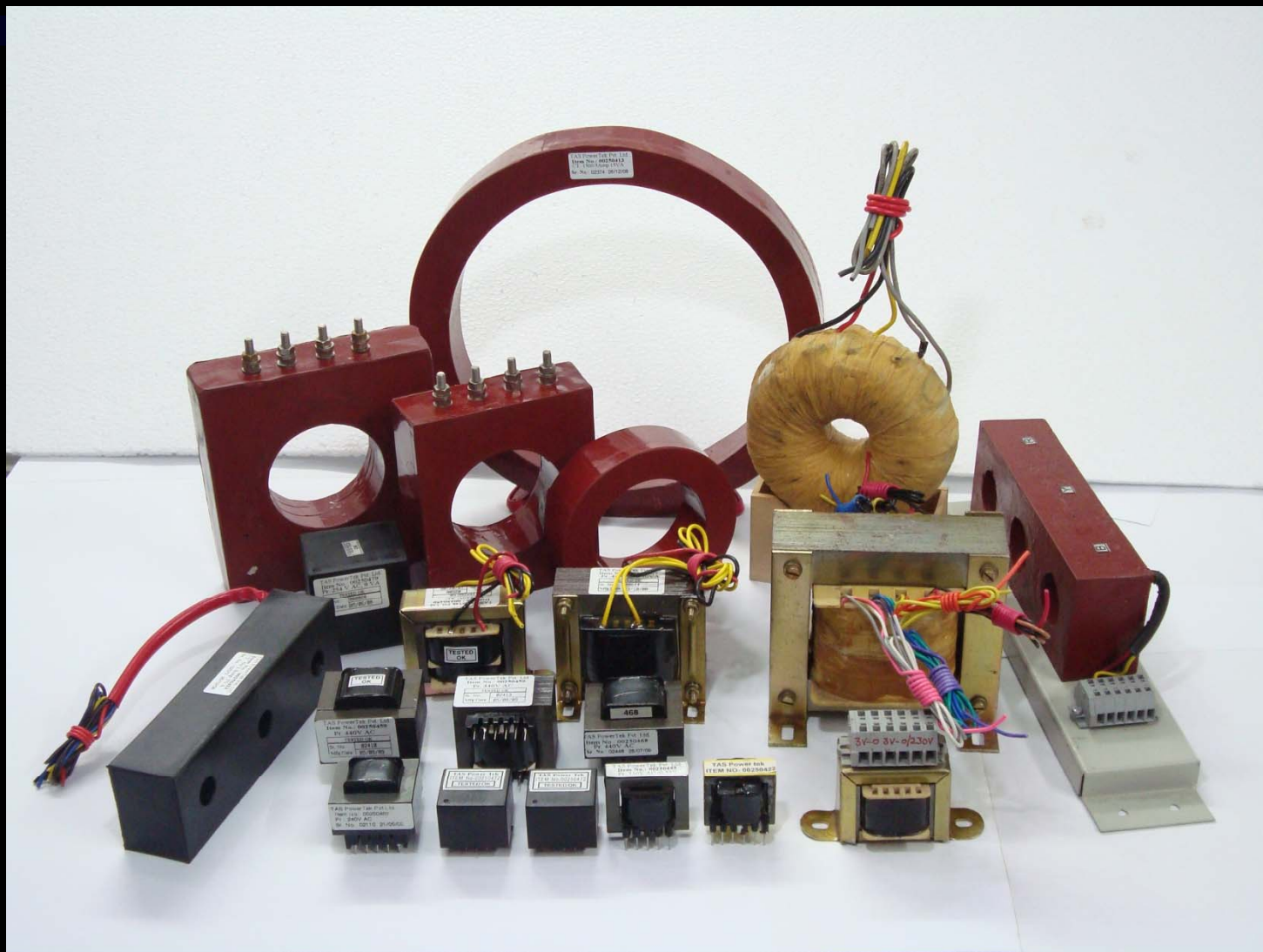
Detuned Reactors for
PF improvement capacitors.

Series Reactors for
AC/DC drives.





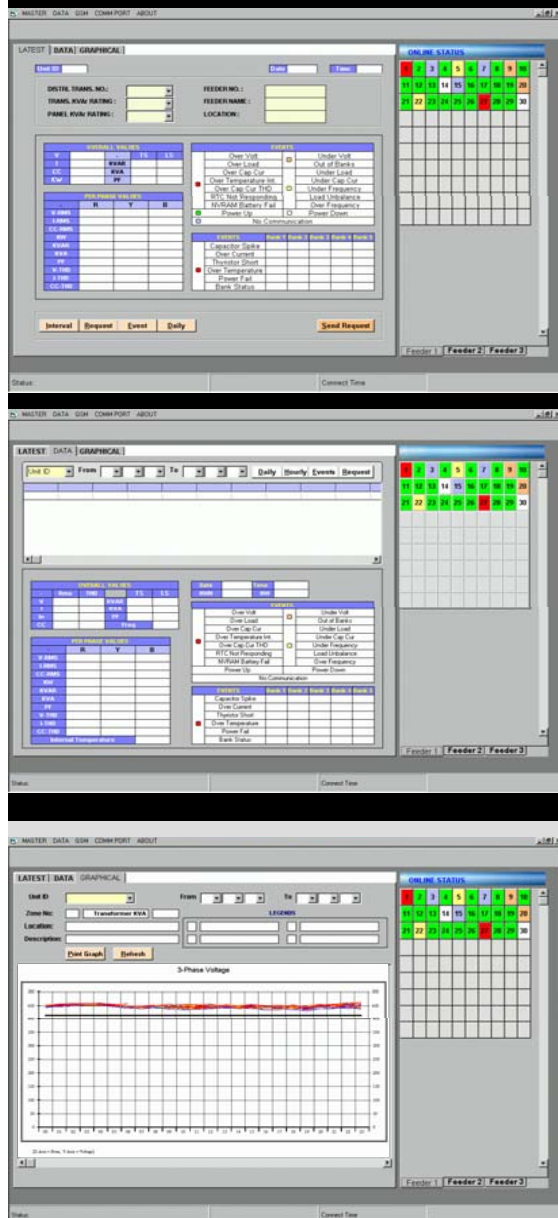
Electrical Products: Magnetic Products – CTs PTs Transformers



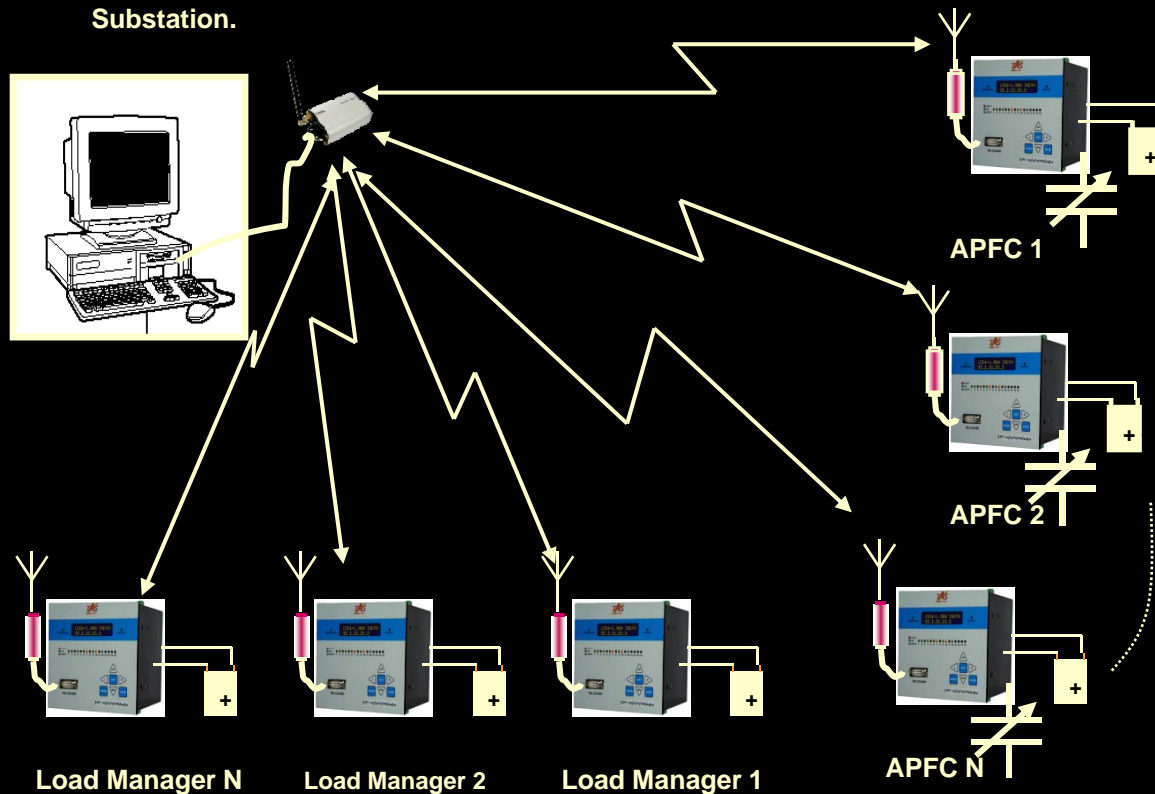


Automation Products:

*Load monitoring , APFC & Lighting control with
GSM-communication
MODBUS - communication*



**GSM-SMS-Server.
Master Station
With Modem & Antennae.
Location at 33/11kV
Substation.**





Electrical Systems: PF Correction Panels



**APFC system
Outdoor Pole Mounted
36kVAr**
Contactorised Thyristorised



**APFC system
Indoor type.
Contactorised Switching
250kVAr**

**Real Time PF correction
System. 150kVAr.
Open Panel View.**





Electrical Systems: Lighting System panels.

9 / 13.5 kVA SLC 3-ph



18 / 21 / 24 kVA SLC

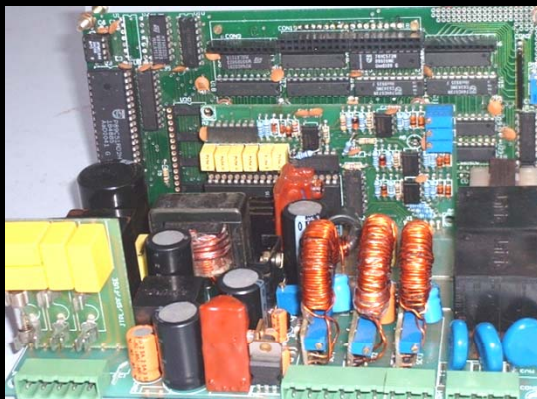


0.5 / 1 / 2 / 3 kVA
1 - phase unit.



Product Design Services:

We undertake complete responsibility of product development right from System concepts to type testing and Field Trials.





Power Sector Market: Major Clients For Electronic Products.

Products supplied on regular basis:

- EPCOS India Ltd., Nasik.
- ABB Ltd., Bangalore.
- Powerfield Energy Solutions, Nasik.
- Shreem Capacitors Ltd., Kolhapur.
- Baron Power Ltd, Chennai.
- Tri-Square Switchgears, Delhi.
- Neel Controls, Mumbai.
- RMS Automation Systems, New Delhi.
- Herodex Power Systems, Nasik.

End clients where these systems are working:

- NDPL : TATA Power company handling distribution in Northern Delhi.
- MGVL, UGVCL: Gujarat state Electricity dist. Companies.
- REL: Reliance Energy Ltd., Mumbai.
- HAL: Khoraput, Bangalore sites.
- Maruti Udyog, Gurgaon, Manesar: A leading automobile manufacturer.
- TELCO, Pune: A leading automobile manufacturer.
- MRF Ltd., Tamilnadu: Tyre manufacturing company.
- National Steel, Indore: Steel rolling mill.



Consultancy Activities:

- Electrical Power Quality improvement. VAR compensation and Electrical Harmonics improvement at HV and LV distribution.
- Electrical Measurement and Monitoring SCADA. Energy control to individual consumers in Commercial complexes. Transformer monitoring, Remote metering, Electricity theft control in utilities sector.
- Electrical Energy Audit including energy conservation opportunities in HVAC (Heating, Ventilation and Air Conditioning), Compressed air systems, Pumps and Fans, Lighting systems (indoor and outdoor), opportunities through non-conventional energy sources. For new installations, suggestions for energy conservation products.



Electrical Power Quality Improvement Consultancy:

- Identifying the Power Quality Problem areas.
- Load monitoring survey with Data Logging.
- Harmonic survey including Nodal point survey.
- Auto PF correction systems and Real time PF correction systems for LT as well as HT (upto 33kV) distribution.
- Harmonic filtering systems. Tuned filters using passive components and Active harmonic filtering.
- Earthing systems.
- Supply Voltage regulation – On load tap changer, Static Voltage Regulators, Magnetic voltage regulators.
- Supply voltage reliability – UPS systems, DG sets with AMF panels.



Electrical SCADA with Energy Control Consultancy:

- Electrical Load monitoring, Data logging at various nodes in electrical systems.
- Various methods of communication like Serial Bus (MODBUS, CAN bus), RF (VHF, UHF), Power line carrier (PLCC), GSM / CDMA network.
- Energy control to various sub-users and automated billing. Usage of prepaid energy meters.
- Faults monitoring and Load-shedding SCADA systems.
- Transformer & Generators performance monitoring SCADA.
- Load monitoring with control over Maximum Demand and instantaneous loading.
- Electricity theft control for Electrical utilities.
- Remote metering for Electrical utilities.



Electrical Energy Audit:

- Electrical energy audit for various applications as well as main installations.
- Energy Conservation with HVAC system. Usage of Compressor utilisation cycle changes and usage of VFDs.
- Conservation with Compressed air systems.
- Lighting systems energy conservation. Indoor and Outdoor with automatic control of intensity and selective switching.
- Energy conservation with Fans and Pumps. Energy loss calculations in Damper, vent or throttling controls and improvement methods.



Our Technical Achievements:

- **Development of 7 different versions of PF correction relays for M/s EPCOS Ltd. This too in short span of 2 years.**
 - Conventional APFC relays 3-ph and 1-ph sensing.
 - High speed real time PF correction relays.
 - HT capacitor controlling relay (upto 33kV).
 - Specialized APFC relay for Wind power generators.
- **Development of thyristor switches to suit any adverse supply conditions. With strong challenge by Indian adverse supply condition against the product reliability, our thyristor switches are the only one of kind to stand against all the odds and perform.**

(Not a single thyristor failure due to any design and manufacturing defects since last 2 years. With almost 1400nos supplied on field)



Other Upcoming Activities & Future Technology Vision:

CE, ROHS compliant and UL accreditation for all products.

Making TAS Powertek Pvt. Ltd. as “ESCO” organisation.

Presently Development activity in field of:

1. Statcon and Active Harmonic Filtering with 1phase and 3phase supply systems.
2. FACTS: Flexible AC transmission system.
3. Distribution Transformer On line monitoring GSM base SCADA system.
4. Generator synchronisation relay.
5. Wind mill Generator control and VAR control systems.

Planning development in Energy sectors of :

- Non-Conventional & Renewable Energy generation and distribution.
- Agricultural sector – Electronic instrumentation and controlling products.



Company Offices/works:

Corporate Address:

Nasik, Maharashtra: (Design Centre and Manufacturing)

W-61, M.I.D.C. Ambad, Pawar Industries, Nasik-422 010,
Maharashtra, India.

Tel: +91-253- 2384038 / 2381090

Email: tas@taspowertek.com

Mumbai, Maharashtra: (Marketing and sales)

A-58, Kamal Pushpa Society, K. C. Marg, Bandra Reclamation (West),
Mumbai – 400 050,

Tel: +91-22-32108961 / +91-9324773553 (CEO direct no)

Email: sales@taspowertek.com

Delhi: (Northern Regional After Sales service) Email: delhi@taspowertek.com

Bangaluru: Resident Engineer, email: bangalore@taspowertek.com

Visit our Web: <http://www.taspowertek.com>



Company Authorised Representative:

India Representative:

Mumbai:

- Omikron Industrial Corporation.
H3- 701 ,Riddhi Garden, Film City
Road, Near Vagheshawari Mandir,
Goregaon(E), Mumbai 400 063,
Tel./Fax : +91-22-28421337.
Mob. +91-9820013509 / 9867349529
E-mail id : omikron_nvkc@yahoo.co.in

Delhi:

- Tri Square Switchgears Pvt. Ltd.
4574/15, Padam Chand Marg, Ansari
Road, Daryaganj, Delhi 110006.
Tel : +91-11-23282982 / 23283004.
Fax: +91-11-23283101.
Web: www.trisquare.in
E-mail id : marketing@trisquare.in

Bangaluru:

- Excel EI-control India Pvt. Ltd.
E-mail id : excelenergy@gmail.com

International Representative:

South East Asia (Malaysia, Philippines):

- Pave Power Management Sdn. Bhd.
No.137-1, Lorong Haruan 5/5,
Oakland Commerce Square,
70300 Seremban, Negeri Sembilan,
Malaysia.
Tel : +606 6331699 / +606 6331775 .
Fax : +606 6331698
Web: www.pavepower.com
E-mail id : inquiry@pavepower.com

Middle East:

- Excel EI-control India Pvt. Ltd.
E-mail id : excelenergy@gmail.com

*Looking forward to Authorised
Representatives interested in the product
range of TAS Powertek Pvt. Ltd.*



Thank you