



ENERGYTRON PTY LTD
Engineering Consultancy Services





COMPANY PROFILE

An engineering company focusing on innovative & technological solutions. EnergyTron welcomes challenging projects and opportunities for continuous process improvement.

Our strategy enhances sustainable growth in local communities. EnergyTron encourages Clients to reach out and discuss engineering services we can deliver safely and within compliance.

We work towards ZERO HARM policy.

EnergyTron encourages in-house research and supports external academics to merge theoretical research into engineering practice.



EnergyTron's integration with KIS Group has enhanced global capability into Biogas Power Plant technology and sharing of engineering resources.


RESEARCH

CREATIVITY

INNOVATION



COMPANY PROFILE



EnergyTron Australia
Training & Technology Transfer

EnergyTron Pty Ltd - Head Office
60 Barrington Avenue, Champion Lakes
6111 Perth, Australia
Tel: +61 433191351

EnergyTron Pty Ltd - Regional Office
18 Edgar St, Port Hedland
6721, Australia
Tel: +61 477932956

EnergyTron Pty Ltd - Global Team Locations
Australia, France, UK, Poland, Ukraine, Bangladesh, Philippines, India, USA

EnergyTron Pty Ltd - Partner Locations
Singapore, UAE, Malaysia, Indonesia, Columbia



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EnergyTron Key People



Kasia Szczerbik



A. Abu-Siada



Blair Ward



Rakinul Islam



Akeal Hayek



Mark Castro



Aga Sipurzynska



Kris Stegmann



Richard Murphy



Anna Dyngosz



Raiyan Shariar



Ksenia Birkel



Andrew Dyngosz



Daria Birkel



Angelo D. Vidal



Ashrafal Alam



Abedah Nawreen



Syed Zeeshan



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ENERGYTRON'S CAPABILITIES



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ENERGYTRON CERTIFICATION & PROFESSIONAL MEMBERSHIP

EnergyTron Professionals are recognised members of:

- National Engineering Registration Board of Australia
- The Institution of Engineers Australia
- Chartered Professional Engineers, Australia
- Certified Energy Manager® CEM® recognised by Better Buildings Workforce Guidelines developed by U.S. Department of Energy (DOE)
- CEM®, accredited by The American National Standards Institute based on ANSI/ISO/IEC 17024 standard
- The Australian Institute of Landscape Architects (AILA)
- Surveying and Spatial Science Institute of Australia
- The Asia-Pacific Economic Cooperation (APEC)



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ENERGYTRON CAPABILITIES



EnergyTron specialises in:

- Engineering Consultancy
- Electrical Design including Distribution & Transmission Network Design
- Software Development
- 3D Technology
- Laser Survey & Geospatial Information Systems
- Energy Efficiency & Auditing
- SCADA, PLC & Industrial Automation
- Communication Networks
- Technical and Management Training
- Research and Development
- Project Management
- Landscape Design
- Oil and Gas pipelines
- Biogas Power Plants
- Organic Effluent
- Industrial Wastewater Treatment
- Sustainable Technologies



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ENGINEERING CONSULTANCY

EnergyTron delivers multidiscipline Engineering Consulting, GIS & Survey, Energy Audits, SCADA, PLC & Automation, Contract Management, Contract Negotiation, Estimation & Execution/Supervision Support and Training.

EnergyTron strives for new market ideas, innovations and flexible solutions to enhance long term productivity and savings for our Clients. Our consultants have long standing reputation in their respective fields of engineering with multinational project experience.



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ENGINEERING CONSULTANCY

Our Strength in Engineering comes from:

- Decades of combined engineering consultancy experience
- Diverse background of our people
- Engineering competencies and recognitions
- Dedication & consistency of our people
- Successful track records

We work closely with various software companies to execute:

- Electrical Protection Studies
- Load Flow Study
- Fault Calculation
- Electrical System Modelling
- Cable Selection & Design
- Transformer Design & Sizing
- BOQ & Masterplan
- Testing & Commissioning

We have successful track record in electrical network design & modernisation. Our team members are qualified and recognised in the field of:

- Supervision Consultancy on behalf of Clients
- Landscaping Design Consultancy in Civil and Electrical Projects
- Project Management Consultancy
- Drawings and Drafting
- Project Scheduling

ENGINEERING CONSULTANCY



Electrical Power System Analysis & Operation Software

EnergyTron is proficient in leading Power System Softwares.

EnergyTron uses various Power System Analysis software which focuses on spectrum analytical engineering software specializing in the analysis, simulation, monitoring, control, optimization, and automation of electrical power systems

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Local People
Global Experience

DPDC PROJECT BRIEFING

Dhaka Power Distribution Company, October 2019, Perth, Australia

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CONTRACT SIGNING CEREMONY

Power Development Board (BPDB), 5th February 2020, Dhaka, Bangladesh

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GIS & SURVEY CAPABILITY

EnergyTron survey methods are suited to environmental ground conditions. Our hardware include Total Stations, RTK GPS and LiDAR 3D 360 Degree scanners.

EnergyTron uses automated methods to increase efficiency in data acquisition & improve quality.

EnergyTron uses LiDAR (Light Detection and Ranging) for:

- 3D point cloud data capture
- Panoramic images
- 3D mapping environments



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GIS SURVEY & ELECTRICAL DESIGN

Dhaka, Bangladesh, October 2019

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GIS & SURVEY CAPABILITY

EnergyTron GIS Engineers have diverse experience in Urban and Rural projects. We own and operate latest GIS and Survey hardware/software for prompt site deployment.

Our Engineers have delivered successful projects for Government and Non-Government organisations.

EnergyTron provides:

- Complete Hardware and Software solution
- Configure and Install
- Customise Product to Suit
- Training and Technology Transfer
- Continuous Support
- Customised Solutions to Reduce Cost
- Management of Client's Software



GIS & SURVEY CAPABILITY

EnergyTron utilises RIEGL VZ-200 Laser Scanner for surveying and mapping.

The High Speed High Performance 3D Laser Scanner RIEGL VZ-200 is a rugged and fully portable sensor especially designed for the rapid acquisition of high-quality three dimensional point cloud data even under high demanding environmental conditions in industrial environments.



Ground Penetrating Radar for Utility Location and Mapping

EnergyTron utilises IDS GeoRadar. The Opera Duo is a compact, easy to transport and deploy ground penetrating radar leveraging robustness, data quality and intuitiveness for unparalleled utility location and mapping.

GPR UTILITY LOCATION

Perth, Western Australia, April 2021



GPR UTILITY LOCATION

Dhaka, Bangladesh, July 2020

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ENERGY EFFICIENCY & AUDITING

Energy Auditing is becoming more important than ever worldwide. Our goal is to realise the benefits of sustainable energy use and reduce operational losses for clients. EnergyTron auditors are working with Governments and international Universities to create the next generation of energy auditors.

We perform audits on:

- Electrical distribution system
- Transformer loss
- Lighting System
- Process systems
- Automation optimisation
- Commercial, Residential & Industrial Developments





ENERGY EFFICIENCY & AUDITING



EnergyTron's experts are world leaders in the field of Energy Auditing and are certified by the Association of Energy Engineers-AEE USA.

EnergyTron Auditor is qualified Certified Energy Manager® CEM®. This is the first recognized program under the Better Buildings Workforce Guidelines which were developed in collaboration between the U.S. Department of Energy (DOE) and the commercial energy performance industry.

RESEARCH

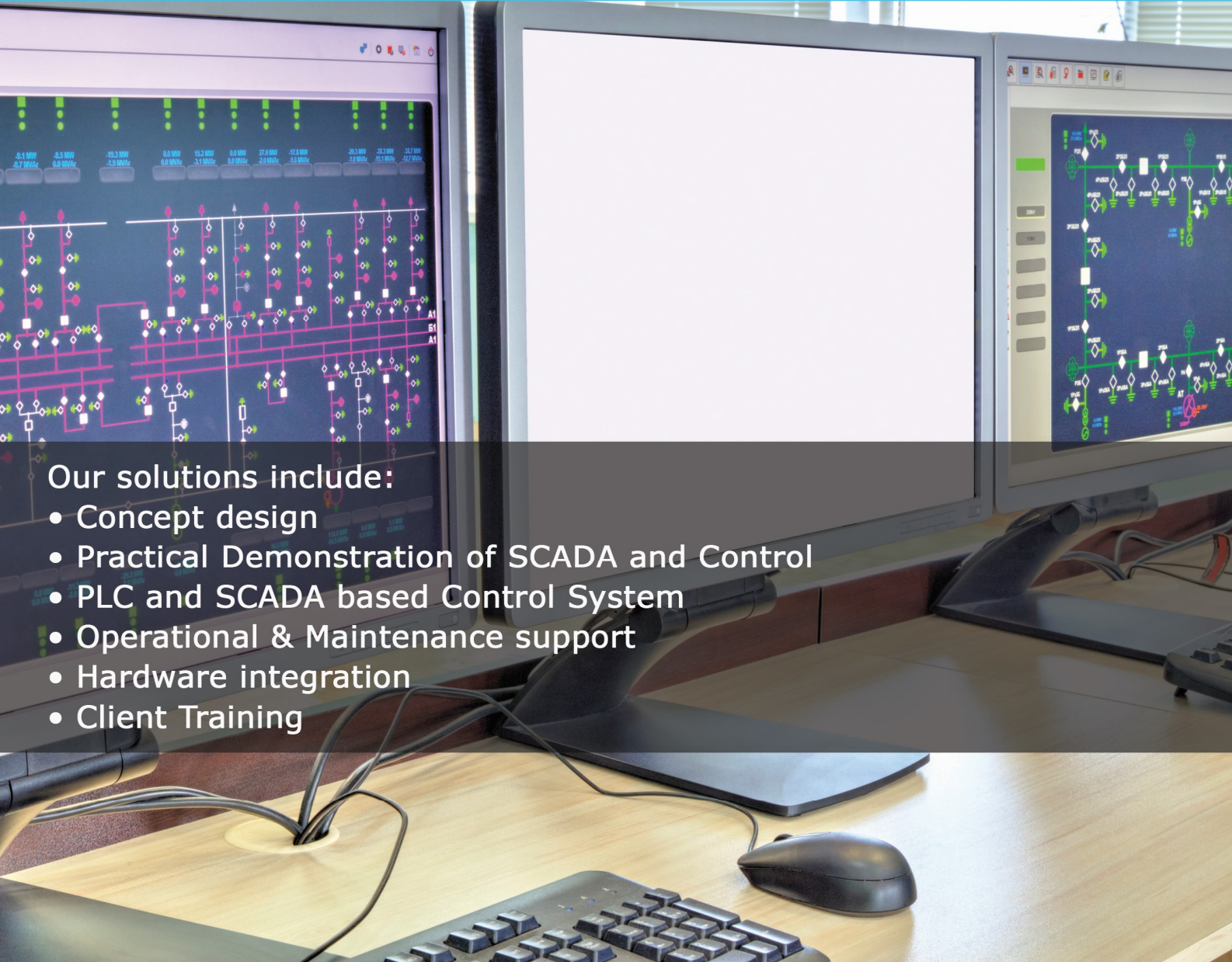
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SCADA, PLC & AUTOMATION

EnergyTron team has experience in some of the largest control systems software design in UK, USA, Australia and Asia. Our Specialist Automation engineers are 30+ years experienced in the Automation sector.

EnergyTron is experienced in various SCADA & PLC systems including Rockwell Automation, Schneider Electric, Siemens and General Electric (GE).



Our solutions include:

- Concept design
- Practical Demonstration of SCADA and Control
- PLC and SCADA based Control System
- Operational & Maintenance support
- Hardware integration
- Client Training

AUTOMATION & CONTROLS

Expert Presentation, Perth, Western Australia, October 2019

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TRAINING

EnergyTron's training capability is geographically diverse. We have technical and management training delivered by internationally recognised specialists.

Our trainers are located in Europe, Australasia and Asia. We are capable of delivering interactive online courses.

We are currently working with Universities and Government regulatory & enforcement bodies in advising policy structure.

We regularly hold seminars & share knowledge.

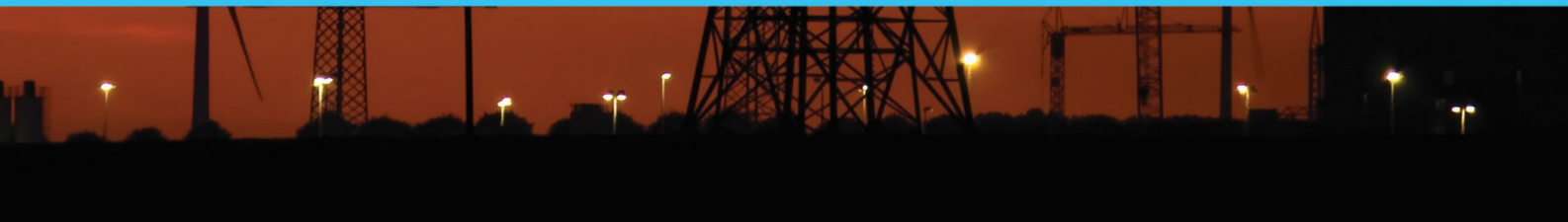


TRAINING



EnergyTron provides training in:

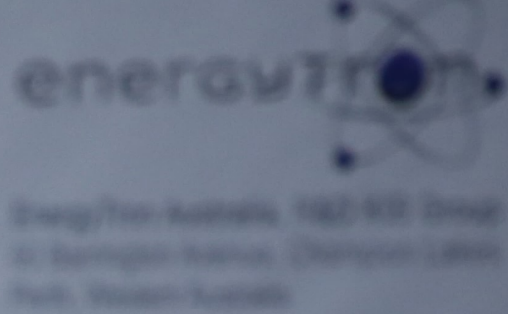
- Power System Analysis
- Geospatial Information System (GIS) software
- SCADA, PLC & Automation
- PLC Hardware Configuration
- Energy Audits
- Project Management
- Contract Management
- International Contract Execution
- Contract Dispute Resolution



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STAKEHOLDER MEETING

Dhaka Power Development Board, October 2019, Dhaka, Bangladesh

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PLC & SCADA PRESENTATION

Perth, Western Australia, October 2019

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RESEARCH

EnergyTron develops various efficient automation options in the field of GIS and Electrical Power Systems design.

We are also investigating 3D technology for virtual training without site visits. This can assist in substantial cost savings for Clients.



COMMUNITY SERVICES

EnergyTron is proud to support following Non For Profit Organisations:

1. Global Fair Foundation NGO, Gazipur, Bangladesh
Installing clean drinking water wells, supporting local sporting clubs and cultural events.
2. Supporting Infrastructure project, Barisal, Bangladesh
School buildings, play fields and equipment, computer labs
3. Transport Project, Barisal, Bangladesh
Providing transportation to remote communities, installation of Jetty for use of commercial barges
4. Solar Power Project, Mymensingh, Bangladesh
5. 'Young Tron' Scholarship Program for Undergraduate, Masters & Phd Students globally.



WORKING FOR LOCAL BUSINESSES

Port Hedland, Western Australia, April 2021

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ETAP GLOBAL CONFERENCE

Industry Expert presentation on GIS Modeling and DNA, March 2021

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PARTNERSHIP



Thinking Power at
your Fingertips®

ETAP Automation PVT Ltd collaborates with EnergyTron in its global endeavours in Engineering & Power System Projects.

As the global market and technology leader in modelling, design, analysis, optimization, monitoring, control, and automation software for electrical power systems, ETAP provides state-of-the-art products and superior engineering services by combining advanced technologies with the highest standard in quality to achieve overall customer satisfaction.

ETAP has been powering success for over 30 years by providing the most comprehensive and widely-used enterprise solutions for generation, transmission, distribution, industrial, transportation, and low-voltage power systems.

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MINING & RESOURCES INDUSTRY

Port Hedland, Western Australia, April 2021

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EQUAL OPPORTUNITY AND DIVERSITY



Greater Engineering and Technological advancement can be achieved with increased creativity, higher team engagement, variety in perception, different problem-solving skills and experiences- which are all hallmarks of strength through diversity.

EnergyTron welcomes diversity in gender, cultural background, religious beliefs, educational background and differences in general. This is evident in our current organisational structure.

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