



EGAT Research and Development Completed Project 2011

- Vertical Axis Wind Turbine Research and Development
- Flashover Occurrence Factor of Insulator String with Arc Horn on High Voltage Transmission Line
- Mini Hydro Turbine Direct coupling with Generator Research and Development Project
- Optimal Planned Maintenance for Magnetic Excitation System of Bhumibol Hydro Power Plant
- Thermo-economic Analysis of Electricity Generation from a Coal-fired Power Plant
- Development of Thermoelectric Generator by Using Raw Materials in Thailand
- Development of Tool-Path Planning and Command-Code Generation for Robot Thermal-Spray Coating System
- Development of Energy and ICT Technology for Future House
- Development of Mathematical Models for Scheduling Maintenance Requests of Power Plants
- Study on Reserve Margin and Foreign Power Purchases for the Generation System of Thailand
- Development of Small Water Current Turbine Prototype for Generating Electricity 200 Watts
- Improvement of Solar Cell Power Generation 1 MW by Using Solar Weighted Tracking System
- A study on properties of mortars using high free lime fly ash
- Detection of Electricity Pylons in Aerial Video Sequences
- Potential and Impact Study of Large Wind Power Generation (Megawatt Scale)
- The Development of Repair Potentiality for Gas Turbine Spare Parts
- Production of Hydrogen from Organic-rich Wastes for Electrical Energy Generation
- Development of low speed water turbine for generating electricity of 200 watts

- Demonstrative Pilot Project for Solving Old Municipal Garbage Problem by Recovery of Organic Fertilizer and Refuse Derived Fuel
- Control System and Insulation Oil Inspection Development for Oil Treatment Machine
- Small Hydro Power Research and Development Project
- The Development of a Non-Destructive Inspection to Evaluate the Thermal Barrier Performance of TBC.
- Social capital and community-based solid waste management of the Bangkrui municipality Nonthaburi province for community and environmental sustainable development.
- A study on local ground parameters for evaluating blasting ground vibration at Mae Moh Lignite Mine
- Study of Network Reconfiguration for Curtailing Short-circuit Currents of EGAT's Transmission System within Bangkok and Vicinity Area Using Optimization Method
- The Development of Welding Procedure Specification for Materials used in Power Generation Plant