



EGAT Research and Development Completed Project 2012

- Active fault study and seismic hazard analysis in northern and western Thailand
- Development of ceramic heat shield for combustion chamber of gas turbine
- Research and Development on Phasor Measurement Unit
- The Development of Maintenance Model for Power Plant Equipments by Reliability Availability and Maintainability (RAM)
- Development of a Prototype 1 kW Electricity Generation System from Wave Energy
- Development of Photovoltaic floating plant with water weighted tracking system
- Control of Moisture Content of Lignite for Mine Dust Reduction
- Carbon Footprint Assessment in the Core Business of the Electricity Generation Authority of Thailand
- A Study of Optimization Induction Brazing Parameters for Stellite Strip of Steam Turbine Blade
- Development of Hot-Water Storage Tank from Polymer Materials in Solar Collectors
- The Study and Development of Boiler Water Circulation Control Process for Reliability and Optimization Case Study Mae Moh Power Plant Unit 11
- Development of Power Transformer Utilization and Maintenance Procedure to Maximize the Benefit (Phase 2)
- Development and Design of Cross Flow Turbine
- Iron Metal Battery Development by Using High Oxidation Level States
- A development of Semiconductor electrodes and Dyes for Dye-sensitized solar cell (DSSC)
- Stabilization of Alternative Excavations and Strengthening of Supporting Materials for Pit Wall in Area 4.1
- Development of Sodiumborohydride Production Processes for Hydrogen Generation and Storage Purposes

- Development of Condition Based Maintenance for Calcium Carbonate Slurry Pump in Flue Gas Desulfurization System at Mae Moh Power Plant Unit 8-13
- Study on Effects of Sulfur dioxide, Oxide of Nitrogen and Ozone on Economic Plants
- Research and Development of Web based Multimedia Conferencing System for EGAT Sub-Power Stations Project
- Lifetime Enhancement of Fuel Nozzle and Turbine Blade Using Thin Film Coating Technology