



Biogas Project

Country	Thailand – Chiangmai Province
PPP typology	Innovation and technology transfer
Subsector and commodity	Poultry
Partnership duration	2008–2013
Overall objective	Promote biogas technology, utilize wastewater treatment and produce alternative energy from biogas
Investments	Total: US\$620 000 (Public: 30%; Private 70%)
Public partners	Energy Research and Development Institute (ERDI) Role: Fund technical expertise; Promote biogas technology; Recruit, motivate, and screen poultry slaughterhouses to join the project; Develop and design a standardized biogas system; Provide technical assistance; Design, advise, and inspect construction and system installation; Monitoring & Evaluation
Private partners	Betagro Land; GFPT Nichirei (Thailand); F&F; Bangkok Produce Role: Fund operational, management and participation costs; Select construction companies; Cooperate with ERDI inspections; Promote the use of biogas systems
Intermediaries partners	N/A
Beneficiaries	Slaughterhouses owners
Main driver of the PPP	ERDI
Activities	Promotion, development and distribution of biogas technology systems
Results to date/Impacts	<ul style="list-style-type: none">• Introduced Biogas recapture and energy generation systems;• Saved 2.72 million litres/year of crude oil;• Saved 2.28 million kg/year of liquefied petroleum gas (LPG);• Reduced annual energy cost of approximately THB 13.46 million;• Reduced annual greenhouse gas emissions of approximately 41.6 million kg.