

Executive Summary: Feasibility Study For Alternative Energy Sources For Brunei Darussalam

Diana Cheong and Keith C. Lee

Abstract

Brunei is a growing country. Today, oil and gas reserves are not only the country's main energy sources; they also dominate the economic well-being of the country. As Brunei progresses towards its bold 30-year Development Plan (Wawasan 2035), it recognizes that there is a need to develop secure and sustainable sources of alternative energy. Brunei is uniquely positioned to respond to that challenge by embarking on an energy future that is partly based on alternative energy sources and technologies, in addition to oil and gas. This energy future will ensure there is sufficient electricity for local citizens and for export, create jobs, meet environmental targets and create opportunities for Brunei to develop as a premier centre for energy research and development.

Keywords: *Brunei Alternative Energy, Wawasan*

Dr. Diana Cheong is the Chief Researcher at the Centre for Strategic and Policy Studies. Dr. Cheong oversees research, consultancy and analytical work undertaken by CSPS. Seconded from Universiti Brunei Darussalam (UBD) where she was a Senior Lecturer in the Faculty of Business, Economics and Policy Studies, Diana Cheong was also then the University's Director for the Institute for Leadership, Innovation and Advancement. Diana Cheong specializes in Sociology and Economic Development, Public Policy and Research Methods. She is also a qualified Barrister at Law (Lincolns Inn and Brunei Supreme Court) with special interest in Public Law.

Dr. Keith C. Lee is the Manager, Projects and Contracts at Powertech Labs, where he is responsible for managing major multi-disciplinary projects and the corporate Quality Management System. Dr. Lee has over 30 years of professional experience in management, development, and research in industrial settings. At Powertech, Dr. Lee has managed projects in hazardous waste treatment, alternate energy systems, fuel cells, microturbines, and battery systems. Dr. Lee has published patents, scientific, technical and review articles on alternative energy systems, electric vehicles, chemical technologies, advanced battery technology, and fluorine chemistry.