

- Project Title** Consulting Services on Information Infrastructure for the Competitive Generation Market in Vietnam: Assessment, Design and Migration Strategy
- Contracting Agency** Electricity of Vietnam. Project execution and supervision under the responsibility of the Power Market Department
- Project Organization** Prime Contractor: Savu C. Savulescu from Energy Consulting International, Inc. as an Independent Consultant, with full responsibility for all the technical and project management aspects of the project
- Summary**
- Review and assessment of the current situation and development of a conceptual Overall Information Architecture (OIA) for the Vietnam Competitive Generation Market (VCGM)
 - Design of the VCGM OIA as per the roadmap stipulated by the Prime Minister in the 26/01/2006 Decision No. 26/2006/QD-TTg
 - Development of a migration plan
 - Preparation of Final Report, Final Presentation and Executive Summary
- Background** Starting in 2004, Vietnam Electricity (EVN) has conducted projects aimed at: improving the capability of regional load dispatch centers; installing new SCADA/EMS at the national and regional load dispatch centers; upgrading the metering system at EVN power plant sites; implementing an interim market system, known as VietPool, to handle market transactions in support of long-term power system operations and to evaluate the preliminary design of the pilot electricity market upon its introduction in 2004. In the mean time, the Vietnamese electric industry has moved forward at a rapid pace. In accordance with the Decision 26/2006/QD-TTg approved by the Prime Minister on 26/01/2006, the official operation of the Vietnam Competitive Generation Market (VCGM) is expected to begin towards mid 2011. Simultaneously, EVN has been assigned for constructing the information technology infrastructure for power sector to meet all the requirements for the operation of VCGM. Anticipating the beginning of the official operation of the VCGM towards the end of 2010, the Electricity Market Department of EVN has launched the project Information Infrastructure for the Power Market in Vietnam: Assessment, Design and Migration Strategy.
- Objectives**
- Perform a systematic assessment of the current utility information and control system landscape in Vietnam
 - Define a conceptual architecture for the information infrastructure of the Power Market
 - Identify a road map towards reaching this important goal
 - Develop preliminary recommendations for either upgrading the existing VietPool or replacing it with a new Market Management System (MMS)

Scope of Work

- Task 1: review and assess the current status of the information architecture that supports the VCGM in light of ERAV's draft VCGM design and develop a Conceptual Overall Information Architecture (COIA) of the VCGM, including the: review of the current market design; assessment of the current situation of information technology infrastructure for the power market; review the current situation of the utility IT and control system projects that have been concluded or are currently under way in conjunction with the operation of the power system and the internal power market including metering and SCADA/EMS facilities, the VietPool system, and other power sector information systems as well; review the power market and related policies of the Vietnam Government
- Task 2: general requirements for the COIA of VCGM, including the specification of the: structure and components of the COIA, including the facilities needed to collect and process information/data by all the participants in the power market; functions and tasks to be performed by each component; data/information exchanges between such components
- Task 3: roadmap for migration to the Conceptual Overall Information Architecture of VCGM, including: determining priorities and schedule the system implementation sequences accordingly; identifying duplications and overlapping which, if it's not too late, might be corrected; preparing a staged implementation plan for the OIA that would meet the requirement for starting the power market operation as scheduled; performing rough cost estimates

Period of Performance

January – August, 2010