

Project Title	Consulting Services for Upgrading the Real-Time Information System of AMM in Guatemala (<i>Servicios de Consultoría para la Actualización del Sistema Informático de Tiempo Real del Administrador del Mercado Mayorista de Guatemala</i>)
Contracting Agency	Administrador del Mercado Mayorista de Guatemala (AMM), Guatemala
Project Organization	Prime Contractor: Energy Consulting International, Inc.
Summary	The upgrading of the AMM Real-Time Information System project aims at conducting a bidding process, by using AMM's own funds, to replace the current SCADA/EMS (<i>Sistema de Información de Tiempo Real – SITR</i>) with a new system reflecting the current state of the art and based on high performance hardware and software.
Background	<p>The Wholesale Market Operator (Administrador del Mercado Mayorista) in Guatemala (AMM) is a private non-profit entity, created by the General Electricity Law, and responsible for the: real-time operation of the National Interconnected System and of the Interconnections; integration of ancillary services necessary to balance the generation and the demand; and the operating reliability and the and continuity of system operations.</p> <p>AMM is currently preparing a bidding process, predicated on using its own funds, aimed at replacing the current SCADA/EMS (<i>Sistema de Información de Tiempo Real – SITR</i>) with a new system reflecting the current state of the art and based on high performance hardware and software.</p> <p>For this purpose, AMM selected Energy Consulting International (ECI) Inc., a New York based electric power consulting firm specializing in information technologies as they relate to the planning, operation and management of electrical power systems, to provide technical assistance for the implementation of its new SITR. The work will be performed by Dr. Savu C. Savulescu.</p>
Objectives	<p>The stated objective for this project is to acquire and implement a complex SCADA/EMS system performing a broad array of functions, including:</p> <ul style="list-style-type: none">▪ Supervisory Control and Data Acquisition▪ File and Historical Information Management (HIS)▪ Advanced Network Applications, including State Estimator, Operator Power Flow and Contingency Analysis▪ Graphic support tools for network monitoring (Wide area monitoring)▪ Automatic Generation Control (AGC)▪ Ability to link and transfer information with other control centers in the Country and/or in the region via ICCP

- Maintain and enhance information security

Scope of Work

The consulting services contemplated under this assignment encompass the:

- Preliminary review of the Terms of Reference developed by AMM
- Project kick-off meeting, including the
 - Presentation of the ECI's proprietary bid evaluation methodology
 - ECI's proprietary workshop Obsolescence in Utility information Systems. What it is and how to avoid it
- Detailed review of the Terms of Reference developed by AMM and preparation of edits and additional text to be included in the final bidding document
- Limited assistance during bid evaluation stage
- Participation in the Statement of Work
- Assistance during project implementation
- Prepare the final report

Period of Performance

December 2015 – December 2018