

- Project Title** Assistance with the Design, Commissioning and Installation of the Primary-Backup SCADA/EMS Solution (*Servicios para la Asesoría Proceso de Contratación de Diseño y Equipamiento SCADA/EMS*) at ICE, Costa Rica
- Contracting Agency** Instituto Costarricense de Electricidad (ICE). Project execution and supervision under the responsibility of the Centro Nacional de Control de Energía (CENCE)
- 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** The consulting services contemplated under this assignment are being provided to ICE in conjunction with the Inter-American Development Bank (IADB) funded project aimed at commissioning new SCADA/EMS facilities, to be installed in the new Control Center of CENCE, and upgrading the SCADA/EMS in the existing Control Center to form a primary-backup mirrored two-control center architecture. The consulting work consists of developing the bid evaluation methodology and providing assistance to CENCE during the: preparation of the bidding documents; negotiations entailed in the Statement of Work; and throughout project implementation
- Background** In early 2008, ICE started a long-term effort funded by IADB aiming to upgrade its existing system control and supervision facilities, acquire a new SCADA/EMS, and deploy both systems within a primary-backup mirrored control center architecture. The first phase of this project, completed in January 2009, encompassed the Feasibility Study and Technical Specifications for SCADA/EMS Upgrade and Backup at CENCE, ICE, Costa Rica (*Desarrollo del Nuevo Centro de Control de Energía y Renovación Tecnológica del Actual Centro de Control de Energía del ICE*)¹. The key deliverable of this early work consisted of technical specifications for the primary-backup SCADA/EMS solution to be eventually deployed at CENCE.
- On this basis, CENCE proceeded with the next stage of this significant undertaking and, in mid-2009, contracted expert assistance for the Design, Commissioning and Installation of the Primary-Backup SCADA/EMS Solution (*Servicios para la Asesoría Proceso de Contratación de Diseño y Equipamiento SCADA/EMS*)
- Objectives**
- Develop a bid evaluation methodology that is objective, fair, balanced and transparent, and which has been successfully deployed in other projects sponsored by International Financing Institutions (IFIs) such as the IADB
 - Assist CENCE to update the technical specifications developed in reference¹ and to finalize the bidding documents

¹ Please refer to the project data sheet *Feasibility Study and Technical Specifications for SCADA/EMS Upgrade and Backup Control Center at CENCE, ICE, Costa Rica*

- Assist CENCE with the Statement of Work and during the project implementation in conjunction with the: contract negotiations with the Vendor selected by CENCE to implement the systems; preparation of the project implementation plan; factory and site acceptance testing; other project implementation related activities as required

Scope of Work

- Task 1: prepare the bid evaluation methodology (completed)
- Task 2: Assistance for finalizing the bidding documents (completed)
- Task 3: Assistance throughout the bidding process and during the Statement of Work
- Task 4: Assistance during project implementation

Period of Performance

January 2010 through September 2017