Application Description

Embalse Nuclear Power Station (ENPS) is a CANDU (abbreviation of Canada Deuterium Uranium) pressurized heavy water reactor with a net output of 600 Mwe. It is one of two nuclear plants operating inArgentina. It generates power in the same way as a fossil fuel power station. Heat is generated by the fuel burningand used to drive a steam turbine.

Location - Country

The Plant is located 110 kilometers southwest of Córdoba City, near the city of Embalse (Córdoba Province).

CamunaCaviproducts

Description
CamunaCavi provided Instrumentation and Control cables.

Standards and Approvals

Different approvals and specifications have been set by the ATOMIC ENERGY OF CANADA LTD according to European standard EN 50288-7 and international standards IEC 60332-3-22 Cat A.

Certification
Documentations Test report, Declaration of Conformity, Witness Inspection activities and Technical Book.

Project Implementation

The project consisted of a supply of Instrumentation, Control and low voltage cables.

Other information

Embalse also produces the cobalt-60 radioisotope, which is used for medical and industrial applications.
There are also CANDU-type units operating in India, Pakistan, South Korea, Romania and China. In October 2011, the Canadian Federal Government licensed the CANDU design to Candu Energy which also acquired the former reactor development and marketing division of AECL at that time.

The decision Makers

Investors: *Nucleoeléctrica Argentina Sociedad Anónima (NASA)*
Design & Engineering :*ATOMIC ENERGY OF CANADA LTD and Italimpianti*

Vendor lists:
Main contractors for this project:
ATOMIC ENERGY OF CANADA LTD and Italimpianti
Candu Energy Inc.

Subcontractors:
Other contractors:
AnsaldoNucleare Spa
L-3 MAPPS
SNC-LavalinNuclearInc.

By Dieudonné Mubenzem