

HIDROELECTRICAL PLANT LA VILLITA

UNITS 1,2,3 & 4 SUPPLY AND COMMISSIONING SUCCESSFULLY FINISHED

CFE's Hidroelectrical Generation Coordinator supported the Area for Management of the Balsas-Santiago initiative to modernize the 4 Automatic Voltage Regulation systems installed in La Villita Hidroelectrical Utility.

Each Unit has a 80 Mwatt capability, resulting in a 320 Mega Watt installed capability. With the new Control Electronics, 15 more years of reliable service is guaranteed on these systems.



On January 25, 2002 manufacturing begins at the SEPAC facility, the electronic controls Model RAV-111 including Automatic and Manual independent Channels, Analog Back-up Channel, Local Operator Interface, Protection, Communications and Diagnosis Functions were finally delivered on September, 2002.

In December 2003, Unit 1 was commissioned, successfully exciting and synchronizing the machine once the new electronics were set in place. This was the last machine on this effort, finishing the Villita project successfully.

Unit No. 4 was commissioned on January 2003. Work for adapting the new electronics performed by SEPAC's Engineers, consisted on removing the former wiring and adapt the necessary items to connect with the new electronics, supported by the Plant's General Superintendent.

Replacing only the control electronics and re-utilizing the Power part of the system, allowed CFE to save a great sum of money, but guaranteeing another 15 years of reliable operation.

Unit No. 3 was commissioned in March 2003 with the help of the plant's team, finally exciting and synchronizing the Machine.

The third commissioning job was performed on May 2003, corresponding to Unit No. 2. SEPAC adapted the interface between the existing Power electronics and the new Control Electronics.

