

# Yuncan Hydroelectric Powerplant, Pasco, Peru 3 x 42 MW Mechanical and Electrical Auxiliary Systems

**Client**

ECECEN  
 VA TECH HYDRO

**Consultant**

IM Maggia Engineering Ltd, Locarno,  
 Switzerland

**Construction period**

2001–2005

**Construction costs**

USD Tot 262 Million  
 USD Aux. systems 3 Million

**Engineering services**

- Final design
- Construction drawing
- Construction supervision
- Commissioning of the following systems
  - Cooling water system (direct open circuit)
  - Drainage and emptying system
  - Compressed air system
  - Oil systems
  - Motor control center MCC

**Main technical data**

Number of units	3
Turbine type	Pelton
Power	44.5 MW
Head	550.5 m
Flow	3 x 9.8 m <sup>3</sup> /s
Speed	450 RPM
Generator power	3 x 47 MVA

