

# HYDROELECTRICITY

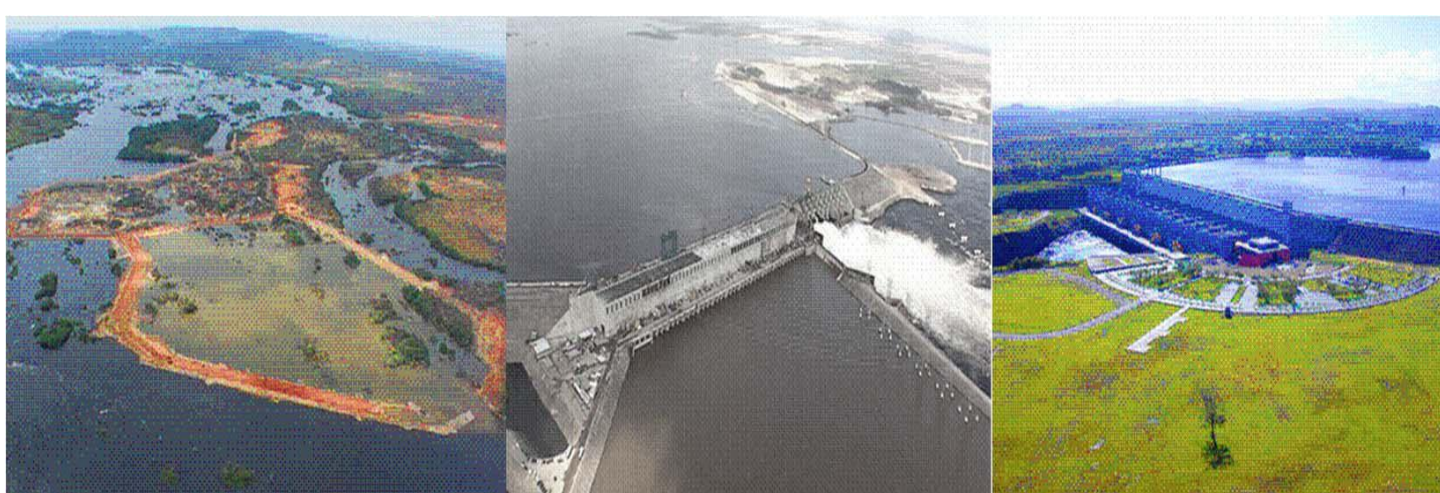
## Hydro electrical Development TOCOMA, CARUACHI and MACAGUA II

**Client:** CVG EDELCA

**Location:** Bolívar, Venezuela

**Scope:** ID

**Disciplines involved:** Civil, Electrical, Mechanical, I&C, Telecommunication engineering and Architecture



### Description:

**TOCOMA:** Design of Machinery room and Control & Maintenance Building. The Project included: Machinery House, constituted by 6 Monoliths covering 12 power generator units with turbines tipo Kaplan (2 for each Monolith). It also included: 60 Km length Service equipment and one Assembly equipment

**CARUACHI:** Design of Machinery House, constituted by 6 Monoliths covering 12 power generator units with Turbines tipo Kaplan (2 for each). It also included: service equipment and assembly equipment) 60 m. length=. Power generator equipment 25,65 m. width and the platform of Transformers shall be located in a height of 64,50 msnm having 32,15 m. width

**MACAGUA:** Design of Machinery House of central which included quantity take-off , electrical, mechanical and civil drawings, Calculation log, construction specifications and review of manufacturer's documents. The scope also included the design of electrical sub-stations.

