



- **Itaipù gated chute Spillway - Brazil / Paraguay.** 14 radial gates 20 x 21 m, discharge capacity of 62.000 m³/s. Prefeasibility and feasibility study, procurement, construction supervision.
- **El Novillo un-gated chute Spillway - Mexico.** Discharge capacity of 12.000 m³/s. Hydraulic modeling, detailed design, construction supervision.
- **Tachien Spillway - Taiwan.** Tunnel discharge capacity of 3.400 m³/s and dam crest and middle outlet discharge capacities of 3,000 m³/s. Feasibility study, preliminary, final and detailed design, construction supervision.
- **San Roque Spillway - Philippines.** With six 15 x 15 m gates discharging 15,00 m³/s. Master Plan, feasibility study, final design, preparation of Tender Documents.
- **Chiew Larn Spillway - Thailand.** Gated chute spillway. Discharge capacity of 2.850 m³/s and an auxiliary fuse-plug spillway with 3.500 m³/s capacity.

Written by ELC Electroconsult SpA

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- **Ocumarito un-gated Spillway Arch Dam - Venezuela.** Discharge capacity of 900 m³/s. Preliminary, final design and detailed design, assistance in procurement, construction supervision.
- **Gibe III Spillway - Ethiopia.** Gated Spillway on the RCC dam body with a discharge capacity of 18.500 m³/s. EPC contract: Project management and construction supervision.

[VI - Conveyance Systems](#)

Over 150 conveyance systems, of any type and capacity have been designed. Amongst these:

- **Mantaro conveyance system - Peru.** In operation. Pressure tunnel 19,8 km long with 96 m³/s discharge. Feasibility study, contract & detailed design.
- **Majes conveyance system - Peru.** In operation. Free flow tunnels overall length of 98 km and discharge of 34 m³/s, channels overall length of 23 km. Tender documents preparation, detailed design, construction supervision and project 0 management.
- **Charcani conveyance system - Peru.** In

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