



- **Santa Rosa Dome Dam - Mexico.** In operation. 117 m high, crest length 135. Dam 0,1 million m³ in volume. Gross capacity of reservoir 0,5 billion m³. Basic, final & detailed design, hydraulic modeling.
- **Ridracoli Arch - Gravity Dam - Italy.** In operation. 104 m high, crest length 430 m. Dam 0,6 million m³ in volume. Gross capacity of reservoir 33 million m³. Construction supervision and detailed design of minor structures.
- **Ocumarito Dome Dam- Venezuela.** In operation. 57 m high, crest length 146 m. Dam 0,035 million m³ in volume. Gross capacity of reservoir 14 million m³. Feasibility and contract design, construction supervision.

[IV. b Gravity and Hollow - Gravity Dams](#)

22 gravity dams have been designed, out of which more than half are in operation, i.e. :

- **Itaipu Hollow Gravity Dam - Brazil/ Paraguay.** In operation. 196 m high, crest length 7.919 m. Dam 12,3 million m³ in volume. Gross capacity of reservoir 29,0 m³ in volume. Prefeasibility and feasibility studies, procurement, construction supervision.

- **Mantaro Arch Gravity Dam - Peru.** In operation. 82 m high, crest length 400 m. Dam 0,2 million m³ in volume. Gross capacity of reservoir 7,0 m³ in volume. Contract and construction design.

- **Rio Blanco Gravity Dam - Dominican Republic.** In operation. 43 m high, crest length 218 m. Dam 0,4 million m³ in volume. Gross capacity of reservoir 1,1 m³ in volume. Bids evaluation, detailed design of civil works, construction and erection supervision.

[IV. c Roller Compacted Concrete Dams](#)

Out of the 12 RCC dams designed by ELC, mention is made to:

- **Gibe III RCC Dam - Ethiopia.** Under construction. 243 m high, the tallest RCC Dam in

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