Project: Construction of a water treatment plant and sewer system for the Guaqui town, Bolivia
**General project data**

**Location:**
- Town of Guaqui
- Municipality of Guaqui
- Department of La Paz

**Management:**
- Autonomous Municipal Government of Guaqui

**Executor:**
- EMAGUA (Executing Agency for Environment and Water)

**Cost of investment:** USD. 1.000.000

**Cost of infrastructure:** USD. 901.344

**Cost of supervision:** USD. 47.050

**Environmental mitigation:** USD. 8.100

**Technical assistance:** USD. 48.500

**Period of execution:** Sept 2016 – July 2017

**Sector:** Water and Sanitation

**Beneficiaries:** 3822 inhabitants

**Area served:** 224 Ha

**Objective:** to improve the current living conditions of the people of the Guaqui town by implementing an appropriate sewage system that benefiting all the population currently lives in the place, with a projection of 20 years

**Component:**
- Sewage collection network
- Emissary
- Pumping sump
- Pumping line
- Treatment plant
- Infiltration ditches
Coverage and range of Guaqui Project
Current situation: The final design study was elaborated by the company Pirámide Ingeniería y Construcciones SRL and is in the contracting stage for its execution.

Components:
- Collection network
- Emissary
- Pumping sump
- Treatment plant
- Infiltration ditches
Flood hazard

Lago Titicaca

Guaqui
Components and flood hazards

Treatment plant

Pumping sump

@ 15 years
Frost hazard
Pictures of Guaqui

Town of rural area, Square and Church

Without sanitary system

Drinking water manhole

Houses on the edge of Lake Titicaca

Tourism and sports in Lake Titicaca
500 families and 22 houses in 11 coastal municipalities like Guaqui in the west of the city of La Paz were affected by flooding on the level (1 m) of Lake Titicaca, as a consequence of the rains in the last two months.
Project components, plant (oxidation lagoons) and pumping sump

- Oxidation lagoons
- Flooded oxidation lagoons
- Machines of a pumping sump