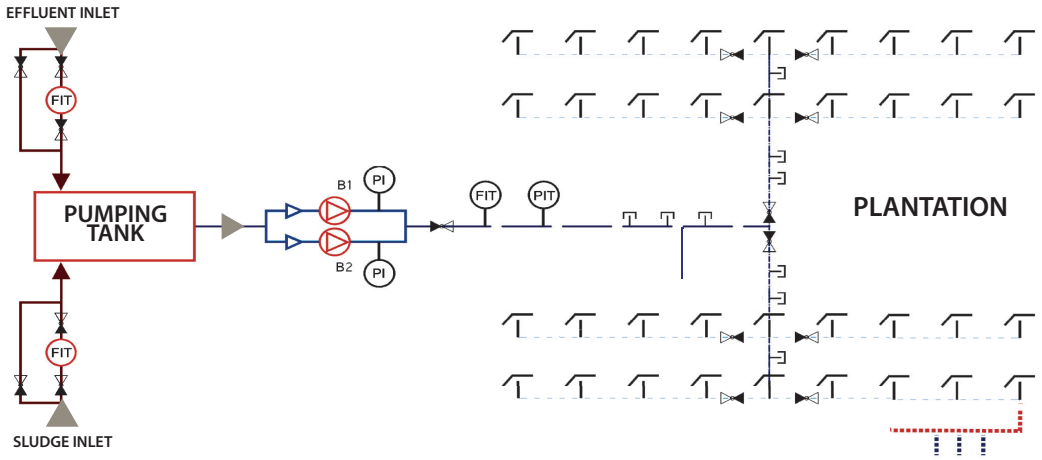
FERTIGATION

Monitored dosed liquid organic fertilization

The **FORLIM** system



FUNDAMENTALS:

- POME = Water + nutrients + organic matter = 5 US$/T FFB
- A 200.000 T/year mill throws to the rivers 1 M US$/year of potential biofertilizer

OBJECTIVES OF OUR "FORLIM" SYSTEM:

- **Environmental:** Achieve "zero liquid discharge" (effluent as well as sludge)
- **Agronomical:** Improve soil fertility – Save chemical fertilizers - Increase crop production
- **Financial:** Capture the 5 US$/T fertilizer value of the POME

COMPONENTS:

- Pumping station
- Instrumentation + SCADA
- Buried pipes
- Mobile pipes and/or mobile hoses

INVESTMENT:

around 1.500 US$/hectares x 600 ha for each 100.000 T FFB/year

SPECIFICITY:

- Calculated dose on each palm – Uniform distribution
- SCADA monitored with possibility of remote control