



Processed effluent returning into dirty lagoon

Lowest CAPEX and OPEX

**Smallest Footprint
2m²**

**Removes COD,
BOD, Total Solids
and neutralizes pH**



Unprocessed and processed effluent

AQUA TUTA[™] is a patented spin-off of Algasol, which has developed a water treatment technology based on convective reaction, with a wide range of applications for all waste water treatment, including alcohol distilleries, wine and beer, aquaculture, textile and dye, feed lots (cattle, pigs, poultry), petroleum, and crop industries. The Aqua Tuta[™] technology may be applied to the African palm, coffee and sugar industries.

For further questions please contact

info@aquatuta.com

 @AquaTuta

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 @aqua-tuta

AQUA TUTA LTD.
www.aquatuta.com

Aqua Tuta Advantages

- Lowest CAPEX
- Lowest OPEX
- Lowest annual maintenance
- Lowest square meter requirement/m3.
- High volume processing in cubic meters/module
- Fastest effluent processing time.
- Automatic separation of organic matter
- Easy to use
- Low threshold to operate.
- Sustainable
- NON CHEMICAL
- NO MEMBRANES

CAPEX Cost of Processing per metric ton

CAPEX/metric ton:

USD 4 cents/metric ton



AT 10 is a sophisticated three components one-phase water processing unit with the worlds smallest foot print, 2m², treating up to 240m³ of effluents/24h, and separating organic matter automatically, for fertilizing purposes, fx.

- AQUA TUTA™'s technology has the **smallest area footprint in the industry.**
- AQUA TUTA™ is the most cost efficient (CAPEX and OPEX) technology called **convective reaction**, with wide-ranging applications in water processing.
- Convective reaction's water processing treatment removes contaminants that are generally more difficult to remove by filtration, chemical or membrane treatment systems -- contaminants such as suspended solids, high levels of COD and BOD, phosphates, nitrogen, organic acids, heavy metals etc.
- Effluent processing involves large volumes of water and wastewater
- Effluents have high COD, BOD, TS, pH, etc
- Effluents can pose significant threat to natural ecosystems if discharged without the correct treatment, effluents being rich in nutrients and other contaminants
- Remedial action for water bodies difficult to be focused from a management and conservation point
- Wastewater from effluent processing is heavily polluted with organic matter etc
- The release of high amounts of heavy metals into water bodies creates serious health and environmental problems and may lead to an upsurge in wastewater treatment cost

Schematics of Aqua Tuta's Technology

1. Effluent is pumped through a molecule crusher that facilitates the flocculation of contaminants
2. Effluent enters the treatment deposit
3. 7,200 signals/s are transmitted from the brains through the effluents, separating the contaminants upwards
4. Contaminants flocculated upwards are skimmed off by rotating paddles
5. Automatically separated organic materials, like N and P, are disposed of via the chute
6. Safe water is released through the valve at the bottom

