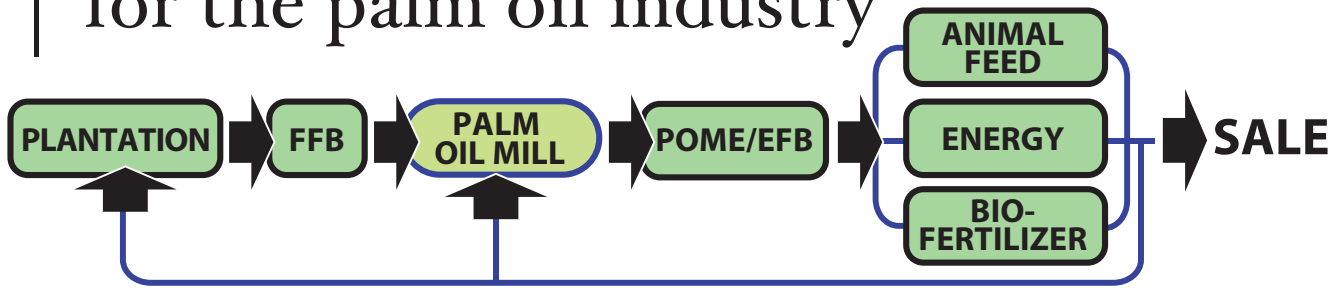


ZERO DISCHARGE MILLING

for the palm oil industry



Fundamentals:

- It is not acceptable on a long-term to throw effluents or residues to the environment
- Both POME and EFB are organic residues and have some economic value as raw material, animal feed, fertilizer or energy
- We drive the mills among the numerous options to valorize EFB and POME

Main technologies:

- RAC :** Biogas Plants (lagoon - tank)
- FORLIM:** Dosed and monitored liquid fertilization
- BED :** Bio-Evapo-Drying, up to an enriched humic fertilizer
- ED :** POME Evapo-drying up to powdered animal feed
- CO-CO :** EFB-POME co-composting

Equipment for cake and sludge management/valorization:

- Tridecanter cake to powdered animal feed
- Biological sludge dehydration and drying



TRANSFORMING "POME" INTO A VALUABLE

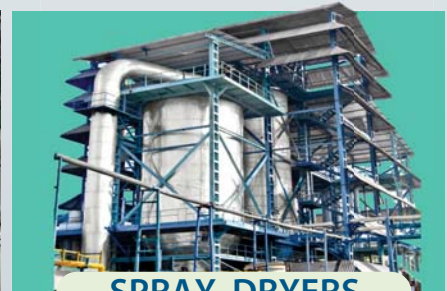
- ▶ ANIMAL FEED
- ▶ BIOFERTILISER
- ▶ ENERGY



BIODIGESTERS



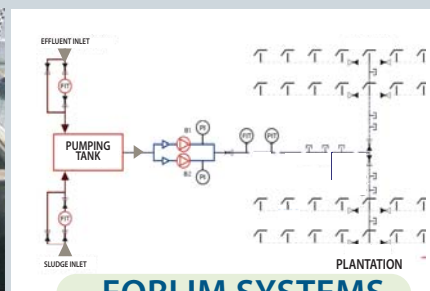
EVAPORATORS



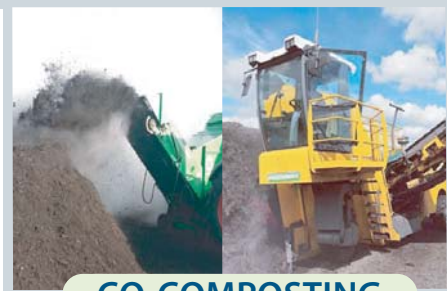
SPRAY DRYERS



PADDLE DRYERS



FORLIM SYSTEMS



CO-COMPOSTING