RT ECO electrochemical EFFLUENT TREATMENT SYSTEM

Palm Oil Mill Effluent

WASTEWATER TREATMENT SYSTEM

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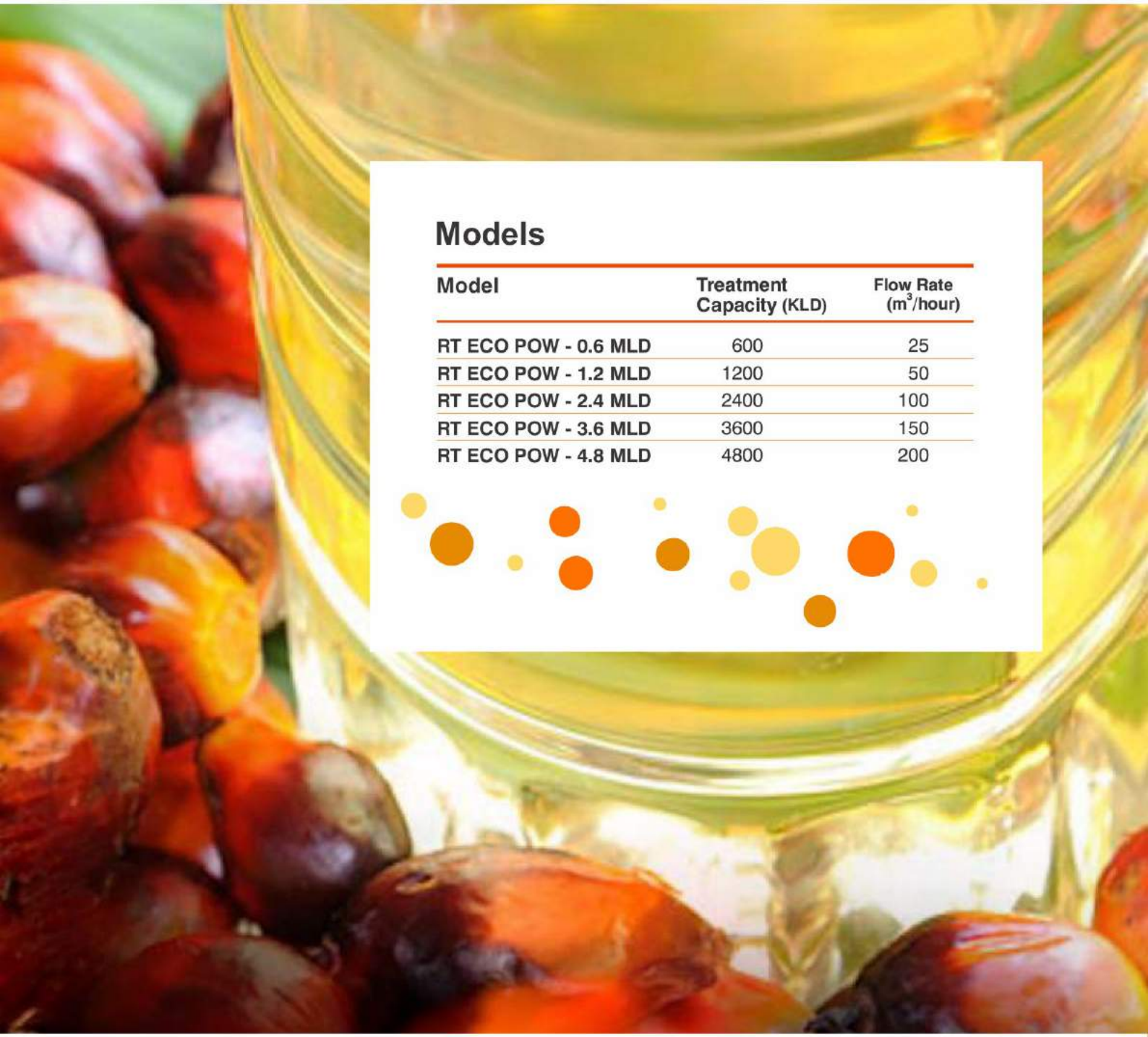
RT ECO electrochemical EFFLUENT TREATMENT SYSTEM

HYBRID Advanced Wastewater Treatment System

Once through process involving **no** addition of **chemicals / polymers.**

Robust system design makes **ideal for remote location operation** with SCADA monitoring systems

Available On PAY PER LITRE Model thus O&M and AMC is the responsibility of system provider.



Models

Model	Treatment Capacity (KLD)	Flow Rate (m^3/hour)
RT ECO POW - 0.6 MLD	600	25
RT ECO POW - 1.2 MLD	1200	50
RT ECO POW - 2.4 MLD	2400	100
RT ECO POW - 3.6 MLD	3600	150
RT ECO POW - 4.8 MLD	4800	200

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RT ECO
electrochemical
EFFLUENT TREATMENT SYSTEM

RECYCLE . REUSE
WATER

pixecell
Electrocoagulation Cell

electrogen
Electro-Oxidation Cell

MCC & PLC Panel

electrogen
electro-oxidation cell

pixecell
electrocoagulation cell

RT ECO unique Hybrid Advanced Waste water treatment system incorporates electro-coagulation & electro oxidation cells to treat flow back water in a simple once through process making it suitable for reuse.

* System design meeting explosion proof classification
* Certification as per operation location / country.

PALM OIL EXTRACTION PLANT WWT SYSTEM

80% PERCENT

WASTEWATER CAN BE **RECLAIMED & REUSED**

Facts about
Palm Oil Mill Effluent

Palm oil mill effluent (POME)- wastewaters generated from palm oil milling activities which requires effective treatment before discharge into watercourses due to its highly polluting properties.

The characterization of wastewater is the essential step in the design of any wastewater treatment plant (WWTP) in the industry as conducting pilot-scale tests to obtain design and operating parameters is time-consuming and expensive.

Important parameters that were seldom considered in the characterization of POME are as follows: total phosphorus (TP), total organic carbon (TOC), total Kjeldahl nitrogen (TKN), total volatile solids (TVS), volatile suspended solids (VSS), lignin and sulfate concentrations, and toxicity.

RT ECO Hybrid electrochemical effluent treatment systems are fully automatic, skid mounted, containerized and are designed for continuous operation which converts effluent into reusable water and operates even in remote locations.

Input - Output Parameters for RT ECO Palm Oil Mill Effluent (Wastewater Treatment Plant)

Parameter	Wastewater (Raw Effluent)	Treated water
pH	5.0 - 9.0	6.0 - 9.0
COD (mg/L)	upto 50,000	100
BOD (mg/L)	upto 25,000	100
O & G (mg/L)	upto 6,000	50
TSS (mg/L)	upto 20,000	400

Unique Features

- Plug & play system
- Fully automated
- Instant start/stop operation
- Small foot print
- Low operating cost
- Requires low power
- No chemicals required
- Odour-free and noiseless operation
- Durable and non-corrosive components
- Suitable for remote locations
- Consistent and reliable results
- Odourless & colourless treated water
- High efficiency in COD, BOD, pollutant removal
- 100% disinfected treated water (bacteria-free water)
- Very low sludge generation
- Produces reusable water
- Meets environmental regulations