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EEO
electrochemical
EFFLUENT TREATMENT SYSTEM

Frac & Produced Water
WASTEWATER TREATMENT SYSTEM

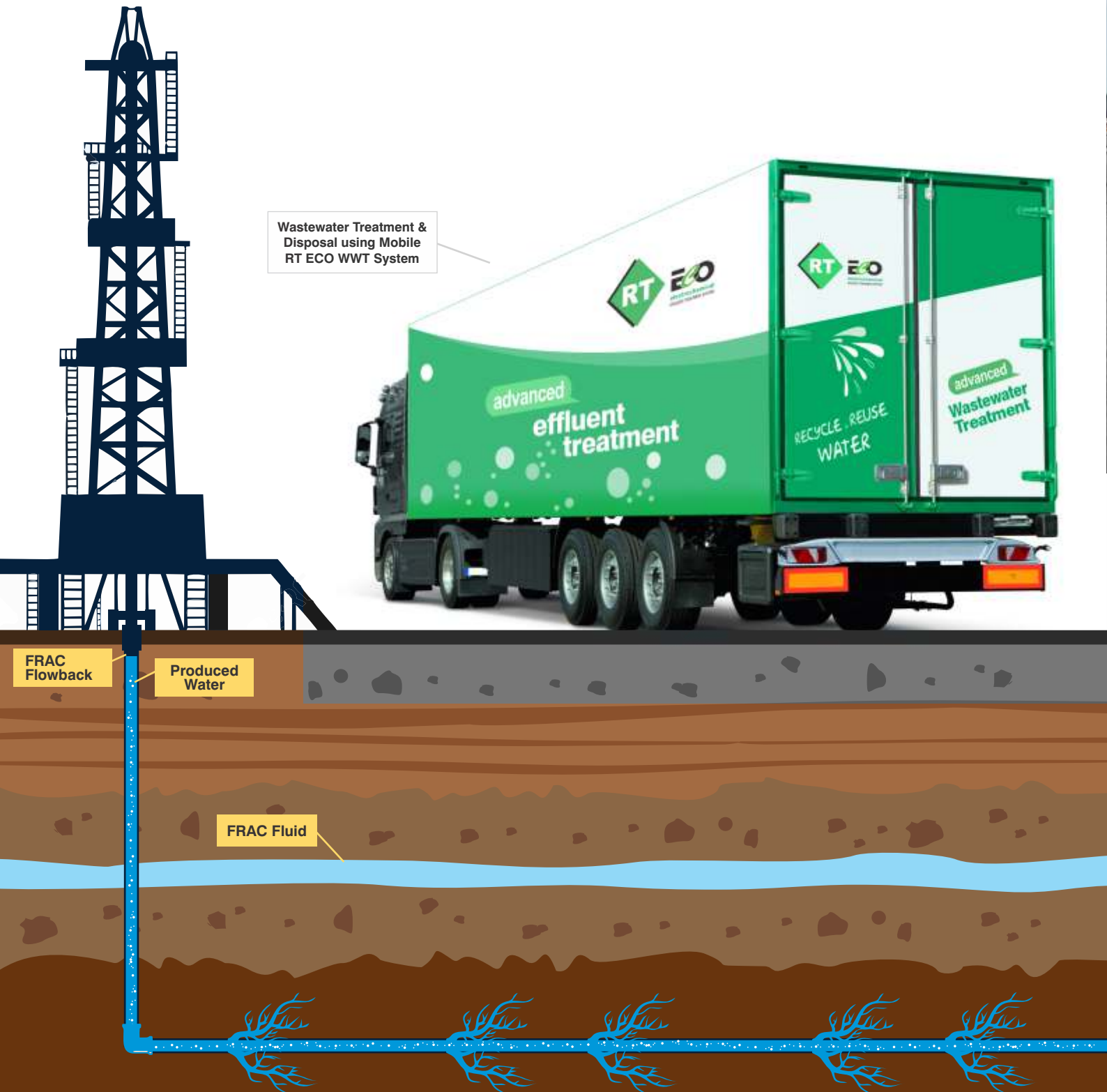




ECO
electrochemical
EFFLUENT TREATMENT SYSTEM

Frac & Produced Water Wastewater treatment system

30% of water used in a typical Fracturing process comes back to surface as flowback water which is a huge environmental nightmare for the oil and gas industry if it is not suitably treated for reuse.



Wastewater Treatment & Disposal using Mobile RT ECO WWT System

FRAC Flowback

Produced Water

FRAC Fluid



advanced
effluent
treatment

RECYCLE REUSE
WATER

advanced
Wastewater
Treatment



RECYCLE . REUSE
WATER

Models

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



Flowback & Produced water Wastewaters

Wastewater Treatment & Disposal using RT ECO Hybrid 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.

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.



pixecell
Electrocoagulation Cell



electrogen
Electro-Oxidation Cell



MCC & PLC Panel



RECYCLE . REUSE
WATER

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



Contact

+91 95512 88545
rteco@noblechlor.com

FRAC & PRODUCED WATER WWTP

80%
PERCENT

WASTEWATER

CAN BE
RECLAIMED
AND
REUSED

Facts about Frac & Produced Water

The “frac flow back water” which comes out in few weeks following fracturing job is often more contaminated due to various chemicals added before injection to the well.

Disposing of this flow back water is no more tenable and needs to be treated, recycled and reused due to the huge volume of upto 30% of injected water being involved.

The “Produced water” which is the outcome of continuous injection of fresh water to improve well productivity comes back with the water from deep aquifer’s along with Hydrocarbons needs immediate attention too.

Produced water ratio has been ever increasing and has even reached in some places 50:1, which means 50 m³ of water for every m³ of oil.





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

Input - Output Parameters for RT ECO Frac & Produced water (Wastewater Treatment Plant)

Parameter	Wastewater (Raw Effluent)	Treated water
pH	5.0 - 7.0	6.0 - 9.0
COD (mg/L)	upto 20,000	100
BOD (mg/L)	upto 2000	60
TDS (mg/L)	upto 2,50,000	2,50,000
TSS (mg/L)	3500	60

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

Contact

Noble Eco Systems Pvt. Ltd.
1/89, 1st Main Road, Indira Nagar,
Vengaiwasal. Chennai 73. **INDIA.**

Ph : +91 44 22781951 /1952
sales@noblechlor.com
rteco@noblechlor.com

RT Solutions Pte Ltd

No.237 Pandan loop,
#04-07 Westech Building,
Singapore 128424.

Ph : +65 67785598
sales@rtsolutions.com.sg



Dealers / Agents

