



Refinery Equipment of Texas

The Smart Advantage



MODULAR CRUDE OIL REFINING

INTEGRATED ENERGY SOLUTIONS

Economical Fuel Production
Economical Power Generation
Economical Fresh Water Production

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INTEGRATED ENERGY SOLUTION

Refinery Equipment of Texas Integrated Energy Solution (IES) maximizes existing natural resources combined with smart technology to achieve the greatest economic benefit to the people and environment resulting in an enhanced quality of life.



MULTIPLE BENEFITS

- ECONOMICAL FUEL PRODUCTION
- ECONOMICAL POWER GENERATION
- ECONOMICAL FRESH WATER PRODUCTION
- LOW ENVIRONMENTAL IMPACT
- QUICK TURN AROUND TIME
- RELOCATABLE MODULAR UNITS
- HIGH RATE OF RETURN ON INVESTMENT
- SMALL FOOTPRINT
- MINIMAL MAINTENANCE

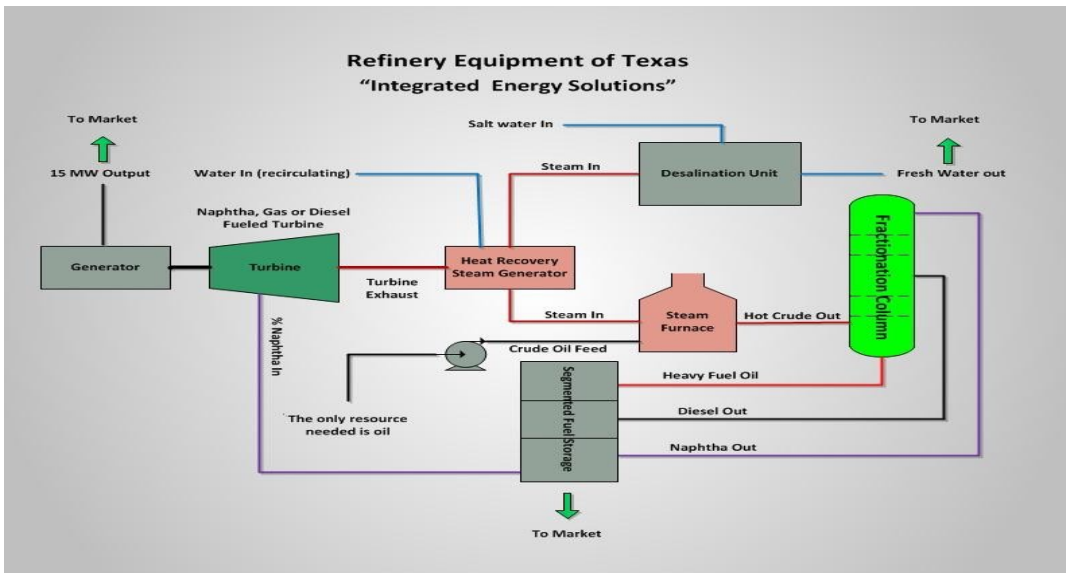
ADVANTAGES OVER CONVENTIONAL REFINERY

Feature	Conventional Refinery	RETX IES Refinery
Production (BPD)	18,000 BPD	(3) 6,000 BPD
Time to Build	2 Years Plus	Less Than 11 Months
Cost To Build	Expensive	Less Expensive
Minimum Feed (BPD)	9,000 BPD	3,000 BPD
Shut Down (BPD)	Less than 9,000 BPD	Less than 3,000 BPD
Land Tract Requirement	Large	Small
Energy Usage	Intensive, Inefficient	Minimal, Efficient
Energy Source	External	Internal After Start
Products	Oil Only	Oil, Electricity, Fresh Water
Return on Investment	Low Return	High Return
Portability	Fixed Structure	Moveable

HIGH RATE OF RETURN ON INVESTMENT

Yield / Profit Example						
Crude Oil Type: Eagle Ford Blend Assay (42 API)						
6000 Barrels Per Day		Cost Per Barrel USD: \$50.00			Total Cost: \$300,000.00	
% Yield	Product	Unit Cost \$\$	Barrels	Gallons	Unit Sell \$	Total Sell \$\$
1.60%	Water - Gas	\$4,800.00	96	4,032	\$0.00	\$0.00
43.40%	Naphtha	\$130,200.00	2,604	109,368	\$2.25	\$246,078.00
38.60%	Diesel	\$115,800.00	2,316	97,272	\$2.90	\$282,088.80
9.70%	HFO **	\$29,100.00	582	24,444	\$2.65	\$64,776.60
6.70%	Asphalt**	\$20,100.00	402	16,884	\$1.25	\$21,105.00
Assumptions: Crude API see above (42 API)					Return	\$614,048.40
** heavy fuel oil is a blend of diesel no. 4,5,6 & resid (higher quality than #6)					Cost	\$300,000.00
** yield for asphalt road base / residuum or bitumen					Daily \$\$	\$314,048.40
www.platts.com					30 Day \$\$	\$9,421,452.00
					Annual \$\$	\$113,057,424.00

INTEGRATED PROCESS FLOW



INTEGRATED ENERGY SOLUTIONS

- Economical Fuel Production
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PRODUCTS

- Modular Refinerles
- Power Modules
- Power Plants
- Power Barges
- Combined Heat & Power (Chp)



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