

- EQ - TECHNOLOGY – PROJECT - SUMMARY -

1000 BARREL PER DAY HEAVY OIL UPGRADER

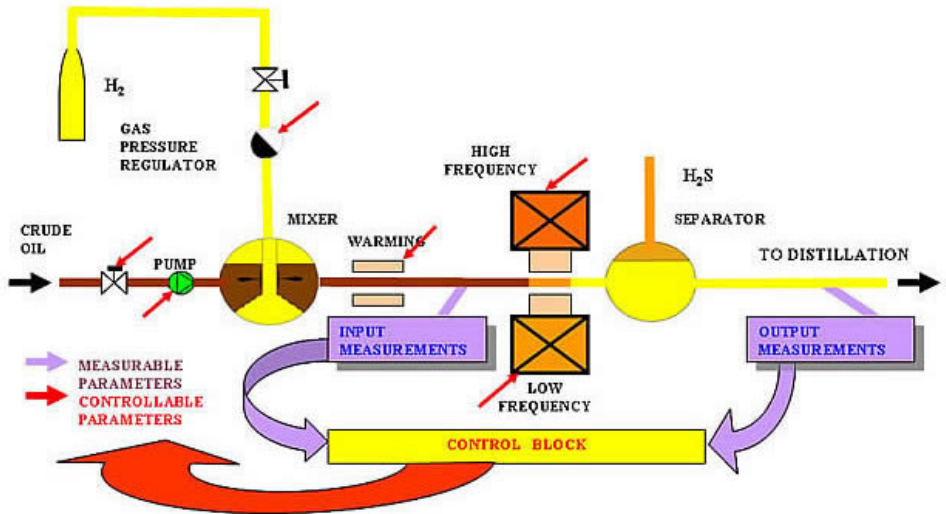
CANCEN EXAMPLE

Capital Cost	\$6,000,000
Project Revenue 1st Year	\$10,600,000
Operational Expenses	\$2,100,000
1st Year Operating Cash flow	\$8,500,000

PENDING PROJECT(S)

Cancen – 1000 Barrel per day modular upgrader.

NAOL – 5000 Barrel per day heavy oil upgrader



The proposed project is for the upgrading of heavy oil.

The technology uses ultrasonic energy waves to create cavitation bubbles within the working fluid, in this case, oil. By further application of this energy the bubbles are caused to collapse at great temperature and pressure. It is this collapse that causes the breaking of the long chain hydrocarbon molecules.

The upgrader systems operate at substantially lower temperatures and pressures, removing the need for much of the complex, expensive hardware in traditional refineries. Capital costs a fraction of conventional upgraders.

The systems are modular, so they can be sized to meet the local demand rather than being huge, centralized installations. Processing systems can be from 1000 bbl/day to 100,000 bbls/day or more. Systems can be moved from one location to another.

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