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PRODUTOS / MÁQUINAS

Green Revolution Engine

Cyclone's Green Revolution Engine represents true "thinking outside the box." This is because it is not a new variation of the internal combustion engine, but rather, a highly advanced External Combustion Engine.

Unlike IC engines, the Cyclone engine uses an external combustion chamber to heat a separate working fluid, de-ionized water, which expands to create mechanical energy by moving pistons or a turbine.

Since the combustion is external to the mechanism, the Cyclone engine can run on any fuel... liquid or gaseous. Ethanol, diesel, gasoline, biomass ... anything from municipal trash and agricultural waste to traditional fossil fuels can power the Green Revolution Engine – individually, or in combination. Initial tests of the engine used fuels derived from orange peels, palm oil, cottonseed oil, and chicken fat ... none of which are impacted by cartels, hostile governments or dwindling reserves.

Whereas almost anything can go into a Green Revolution Engine, almost nothing comes out. It is exceptionally environment-friendly because the combustion is continuous and more easily regulated for temperature, oxidizers and fuel amount. Lower combustion temperatures and pressures create less toxic and exotic exhaust gases.

The engine's uniquely configured combustion chamber creates a rotating flow that facilitates complete air and fuel mixing, and complete combustion, so there are virtually no emissions. Less heat is also released. Exhausted gases run through a heat exchanger before leaving the engine, lowering the temperature at release to about 350 degrees ... hundreds of degrees lower than internal-combustion exhaust.

Versatile and clean, the Green Revolution Engine also travels without an "entourage" of costly, complicated components. It needs no catalytic converter ... no radiator ... no transmission ... no oil pump (and no oil ... the engine is water-lubricated). Eliminating these subsystems reduces cost... engine size and weight... and energy loss. And it increases efficiency and reliability.

Small wonder "revolution" is part of its name ...

Company Profile of **Cyclone Power Technologies Inc.**

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