# Comoab

The **Comoab** engine introduces a paradigm shift in engine design with a revolving piston for reduced fuel consumption and lower emissions to reduce global warming

Benefits

- Continuous motion, no reciprocating parts
- All fuels including hydrogen and bio-fuels
- No pollution from lubrication oil
- No NO_x emissions, reduced CO_2
- Reduced combustion heat loss
- Direct transfer of pressure to torque
- Expansion ratio larger than compression ratio
- Low manufacturing cost
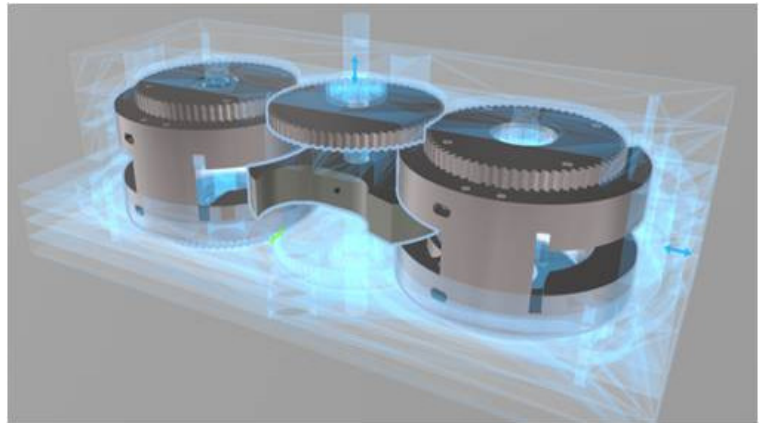
Problem

Current internal combustion engines have low fuel efficiency and produce many emissions requiring ancillary equipment.

Transition to fully electric vehicles (EV) will take a very long time, requiring extensive mining of minerals for heavy batteries and huge infrastructure investments. To achieve CO_2 reductions sooner, other solutions are needed.

Solution

Hybrid electric vehicles enable using electricty for daily traffic and can use combustion engine support for incidental longer distances. To be more competitive, hybrid electric vehicles require a low cost, fuel efficient combustion engine with low emissions. The Comoab engine is ideal for hybrid vehicles to help reduce emissions now.

US Patent
10094218

Research

The new patented concept of the revolving piston has many opportunities, which requires further research and development.
Comoab AB aims to expand the concept to a wide range of applications and further extend the patent scope. To support growth, royalties are to be re-invested in research. Comoab AB will serve as hub to initiate the research and share results with multiple industrial partners.
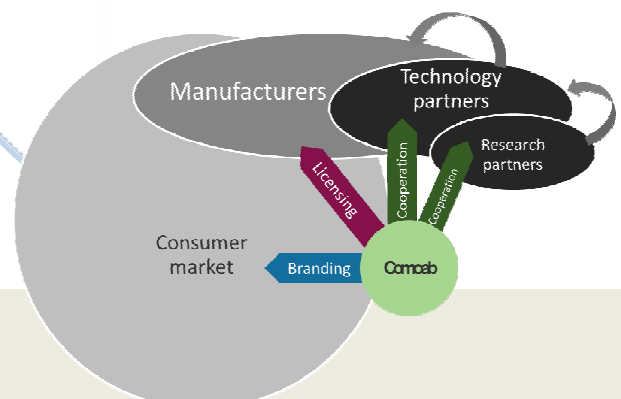
Partnerships

Through partnerships Comoab AB supports collaborative research and product development. Connecting academic research to industry and marketing the products for quicker market penetration, will help reducing emissions sooner.

An IP company initiating research, reducing engine emissions and contributing to an improved environment