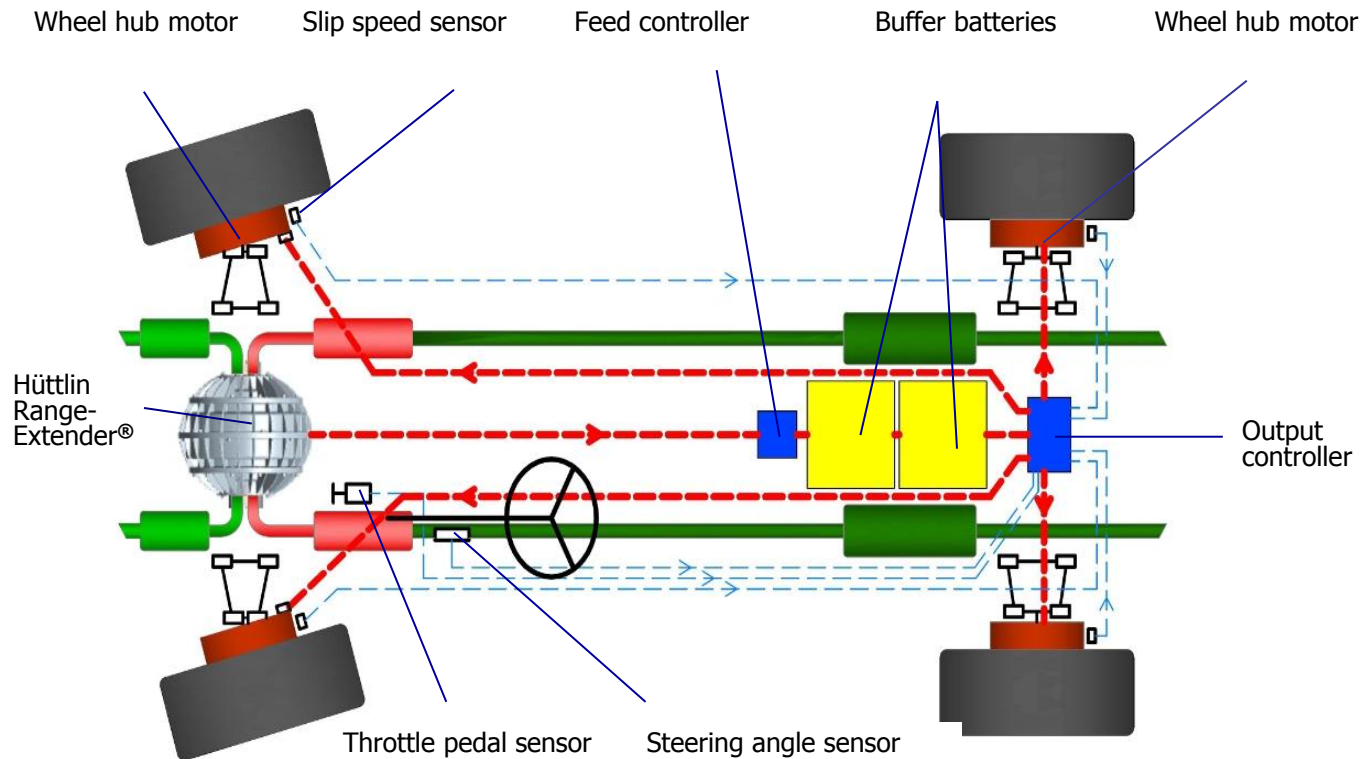


Our Slogan:

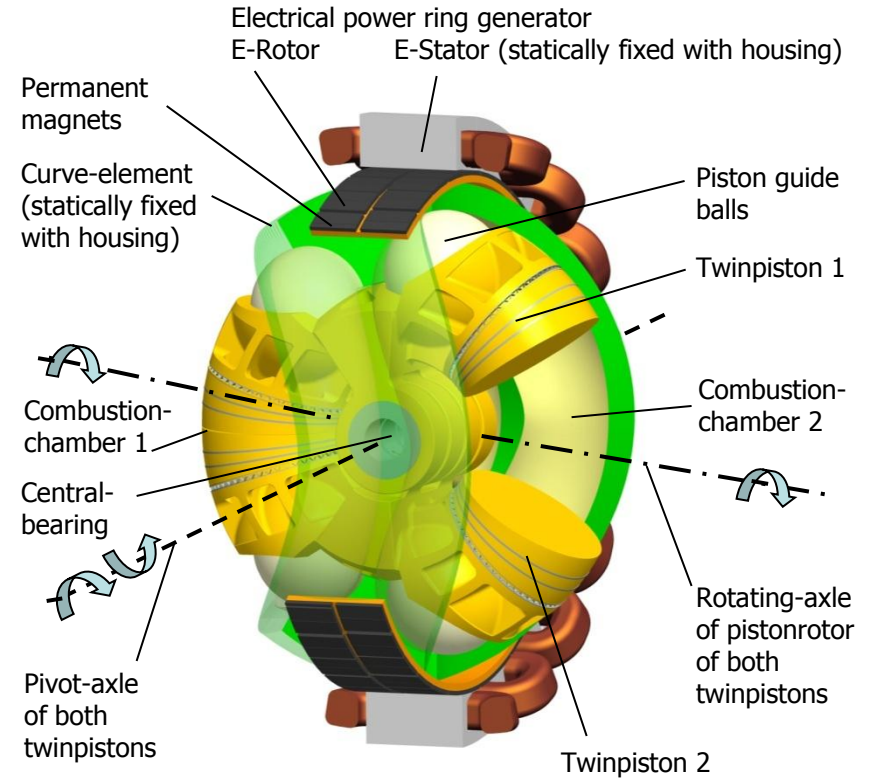
„Drive electric consistently with fossil energy.“



The principle of Hüttlin-Range-Extender[®] int. Pat. Dr. h.c. Herbert Hüttlin

The first homogenous consistent-form-fit drive unit between a fossil 4-stroke-gas-/gasoline-engine and an electrical power ring generator

Hüttlin-Range-Extender[®] 1,2 liter chamber volume



Drive kinematic of the future.

The Hüttlin-Range-Extender® is the worldwide first homogenous, consistent-form-fit drive unit is developed on the basis which essentially consists of a fossil fuel engine (the Hüttlin-Kugelmotor®) and a circular electric aggregate in an axial-centric arrangement around the same serving alternatively as a generator or drive.

The fossil engine part Hüttlin-Kugelmotor® follows a completely new engine kinematic: The combustion energy generated during the power stroke is directly converted into a rotary movement: A spherical housing of aluminium contains a piston rotor turning in two large-ring roller bearings.

The rotor is equipped with cylindrical, however, curved chambers to receive two so-called twin pistons which, using two hollow guide balls each, roll on both guide surfaces of the curve element which is arranged in an orthogonal, longitudinally centred design on the system axis and firmly attached to the housing.

The twin pistons thus alternatively perform the movement towards and away from each other in both combustion chambers according to the "four-stroke-principle" of Nikolaus Otto or Rudolf Diesel.

In addition to the application as a forward-looking drive train for automobile, the technology of the Hüttlin-Kugelmotor[®] is also suitable:

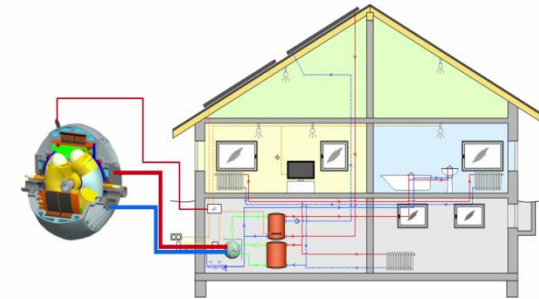
- for compressed air production

Hüttlin-Kugelkompressor[®]



- as a high efficient „combined heat and electrical power unit“ full supply for buildings

Hüttlin-Range-Extender[®]



- in wind power stations to winning electrical power and/or producing compressed air for industrial application

Hüttlin-Windenergie-Hybrid[®]



Our technologies Hüttlin-Range-Extender[®], -Kompressor[®], -Windenergie-Hybrid[®] have a large number of advantages:

- smaller and lighter
- more economical to run
- less consumption
- less constructional elements
- more simply in production



The advantages of our completely novel technology will raise the bar for the already named applications.

“The time for our technology has come now!”, so Herbert Hüttlin.