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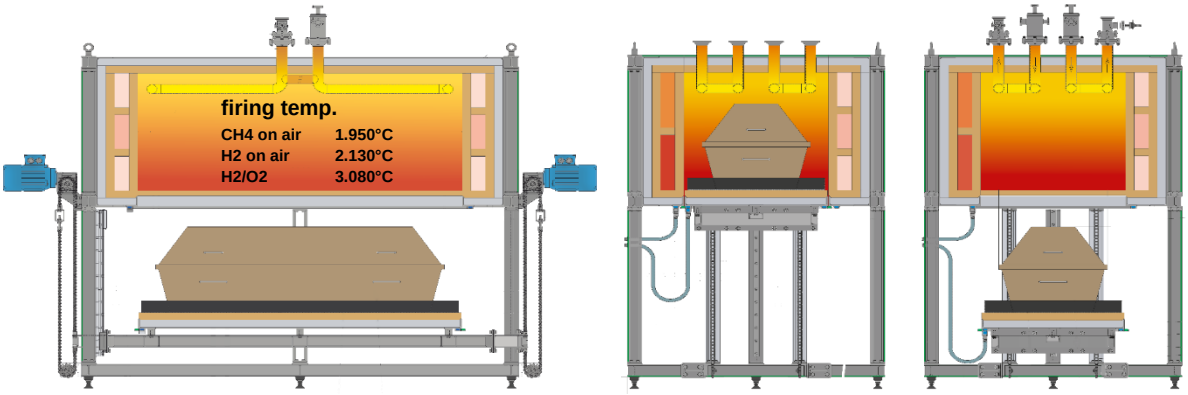
# H2F2Go

## Power Plant + Green Hydrogen Cremation

**human, efficient and friendly**

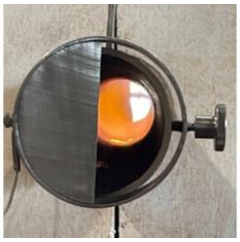
### substantial improvements & innovation

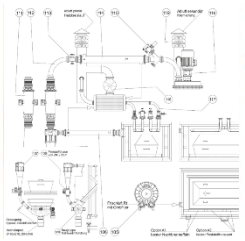
Dignity piety respect | ideal hydrogen combustion | CO2-free | thermodynamics | isolated heating circuit | gas equation | ideal convection | no cross-contamination in the gas phase | no hazardous waste disposal | vacuum/turbine technology | high-temperature materials from nuclear fusion* | graphite electrodes and silicon nitride | lime water conversion | double wall vs. afterburner chamber | energetically ideal HT-operation | mechano-chemical mercury vapor absorption | high-kinetic thermal process | exhaust gas minimization through EG-recirculation | lightweight design | mobile HT-sensors | enormous energy and time saving | green hydrogen | circular energy economy.




### Green Hydrogen Cremation bridging Power-to-Gas-to-Fuel P2G2F®

Hydrogen mobility/transportation sector, even after decades, does not see any significant products that can stand without permanent subsidies and/or political market interventions, which is not acceptable. No matter if the CO2-scenario is true or fairytale, fossils are too costly and too valuable to just burn away. Since reconversion (FuelCell) is still too costly, for the time being, technologies where this is not required, are most attractive. In result, the inventions Power Plant and H2F2Go describing CO2-free Hydrogen cremation, were claimed where Hydrogen is replacing fossil gas in a burner to producing heat before the same heat generates electricity in a closed circular energy economy.




### motivation towards society, environmental/legal framework and conditions

**Over-mortality** (no matter if caused by Covid or Corona-politics), Statistisches Bundesamt, Germany, October 2022, over-mortality +20% (slight under-mortality in 2020), unfortunately further rising of over-mortality is expected worldwide • **political ban of fossils also in cremation**, Netherland as of 2030 expected, other nations to follow • **most frequently government technology**, not so very innovative, Clean-/GreenTech to come • **cemeteries at critical occupation**, coffin-burial might come to an end in near future.


### till today critical issues towards cost & technology, critical regulations

Major cost driver in conventional technology is the exhaust air purification, fully addressed with Zoz multi-phase flow technology. The discontinuous thermoprocess ruled by the crematorium flame ban is eliminated by the isolated heating circuit inside combustion chamber (cc), cremation without wooden coffin (CO2!) becomes possible. Today required temperatures at main-cc (min 650°C) are far exceeded, afterburner-cc (850°C for min 2-3s) becomes obsolete however still covered by energy-efficient pre- and after-heating in cc double wall.