

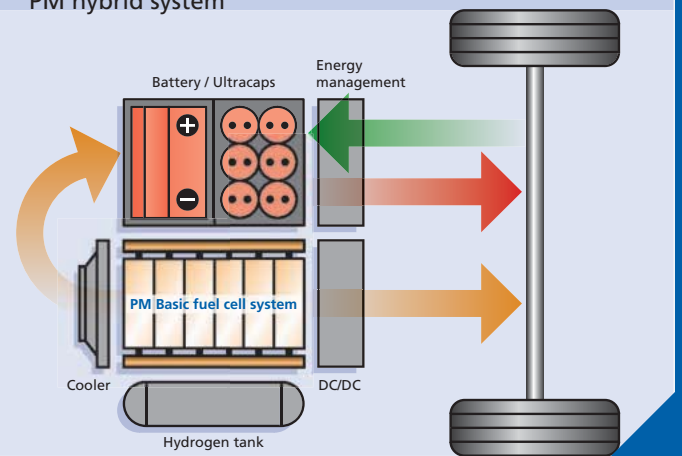
PM Turnkey

*Customised hybrid power solutions
for special OEM requirements*



- From 5 kW up to 200 kW
- Complete hybrid system including modular components for energy storage (batteries/ultracaps), power management, electrical (DC/DC) conversion, cooling, hydrogen storage
- Powered by **PM Basic** fuel cell systems
- Customised integration into vehicle construction

PM hybrid system

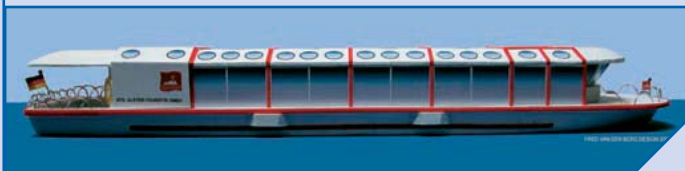


CURRENT PM TURNKEY PROJECTS (EXAMPLES)

Passenger ship

for the Hamburg harbour & Alster area

- > 100 passengers
- 100 kW fuel cell power by two **PM Basic A 50** fuel cell systems
- Hybrid configuration with batteries
- Autonomy: typically 3 days



- Zero emissions
- Low noise
- No vibrations
- Reduced energy consumption

Utility vehicle

- 20 kW fuel cell power
- Fully electric configuration instead of hydraulic
- Hybrid configuration with batteries
- Autonomy: typically 8 hours



- Zero emissions
- Low noise
- Optimised electric drive train
- Reduced energy consumption