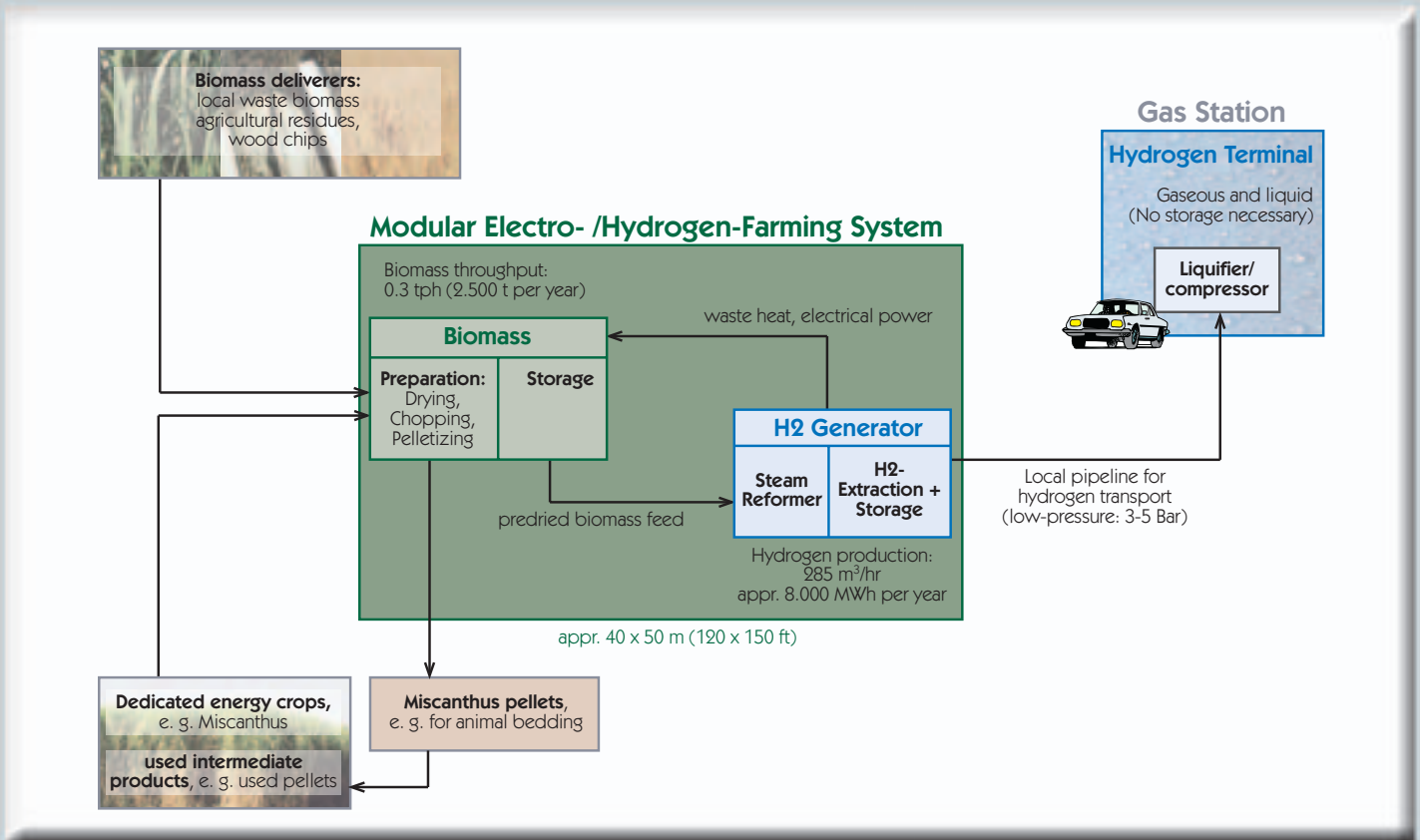




TOWARDS THE HYDROGEN ECONOMY: The ELECTRO-FARMING™ Concept

Novel approach to decentralized hydrogen from biomass

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EF ELECTRO-FARMING Energie- und UmweltTechnik GmbH has been developing an efficient decentral system for the generation of PSA grade hydrogen from biomass. The system is based on early commercial technology for the steamreforming of biomass and other carbon containing feedstock and generates 280 Ncbm/hr of hydrogen from 300 kg/hr biomass. This size is suited for the supply of hydrogen to vehicles and PEM fuel cell applications. 5-10 buses or 1.000 cars could be supplied with CO₂-neutral hydrogen using local biomass residues or dedicated energy crops.

