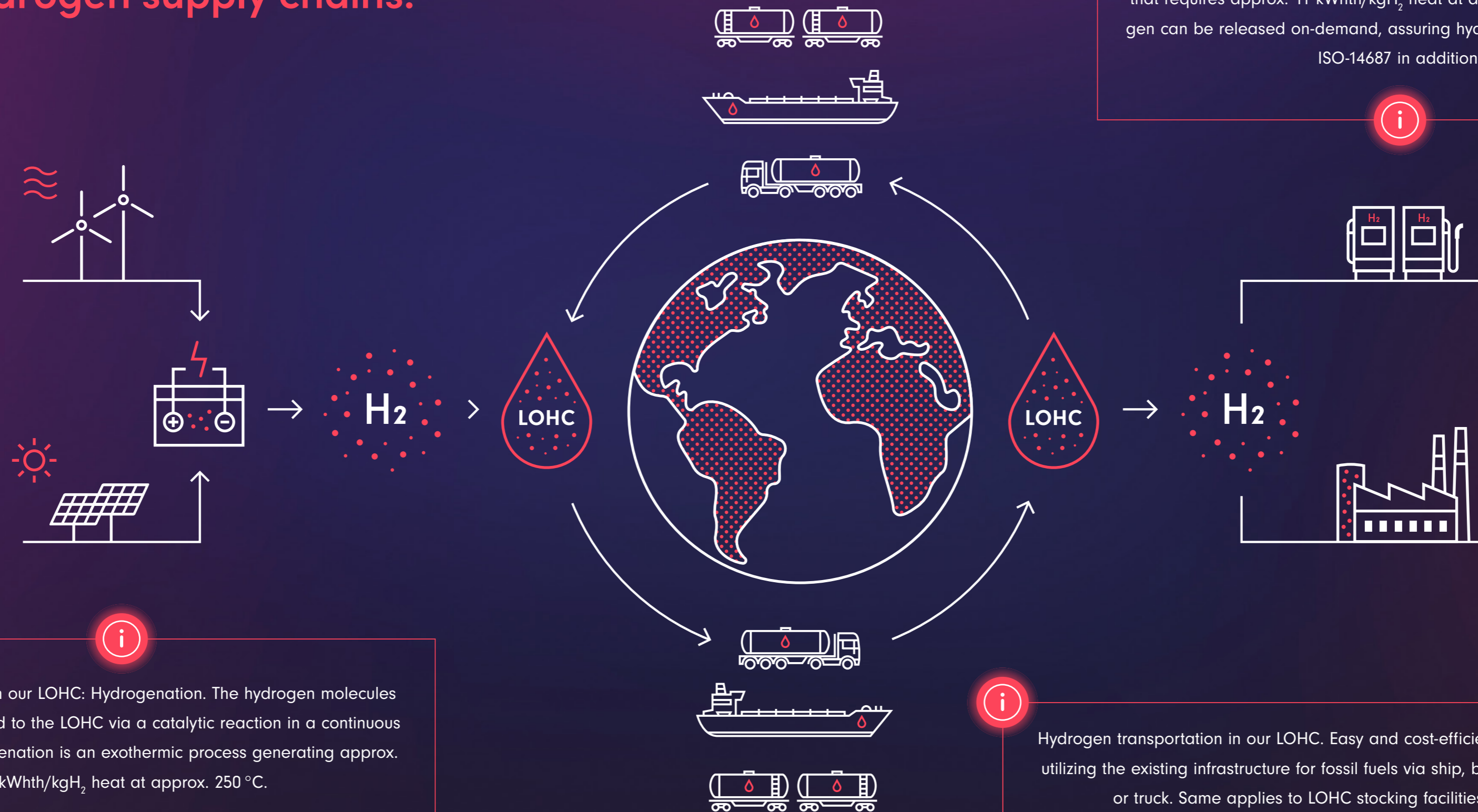


# We store hydrogen in a liquid organic carrier. The missing link to clean hydrogen supply chains.



Hydrogen release from our LOHC: Dehydrogenation. The hydrogen molecules are chemically released from the LOHC via a catalytic reaction in a continuous process. The dehydrogenation is an endothermic process, that requires approx. 11 kWhth/kgH<sub>2</sub> heat at approx. 300 °C. The hydrogen can be released on-demand, assuring hydrogen-purity according to ISO-14687 in addition.



Hydrogen storage in our LOHC: Hydrogenation. The hydrogen molecules are chemically bound to the LOHC via a catalytic reaction in a continuous process. The hydrogenation is an exothermic process generating approx. 10 kWhth/kgH<sub>2</sub> heat at approx. 250 °C.



Hydrogen transportation in our LOHC. Easy and cost-efficient logistics utilizing the existing infrastructure for fossil fuels via ship, barge, train or truck. Same applies to LOHC stocking facilities.