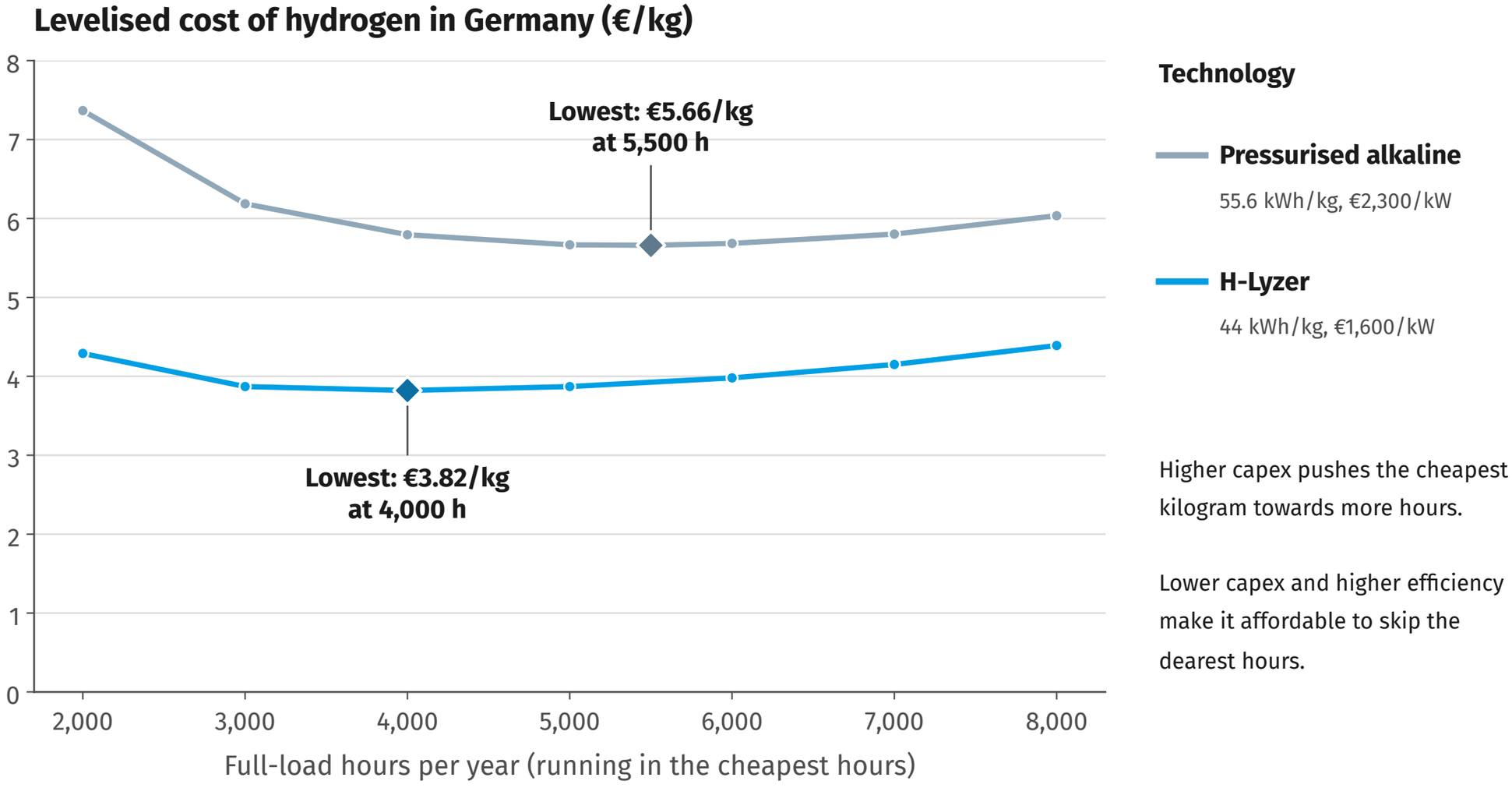
LCOH from traditional pressurised alkaline electrolysis and shiptown®'s H-Lyzer



Higher capex pushes the cheapest kilogram towards more hours.

Lower capex and higher efficiency make it affordable to skip the dearest hours.

100 MW, 10%/yr capital charge. The plant runs only in the cheapest hours of Germany's day-ahead market, Oct 2023 – Sep 2026, with 2026 charges and electrolyser exemptions. H-Lyzer: 44 kWh/kg and €1,600/kW (company statement and target). Pressurised alkaline: 55.6 kWh/kg (datasheet) and €2,300/kW (sbh4 estimate).

sbh4 consulting

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