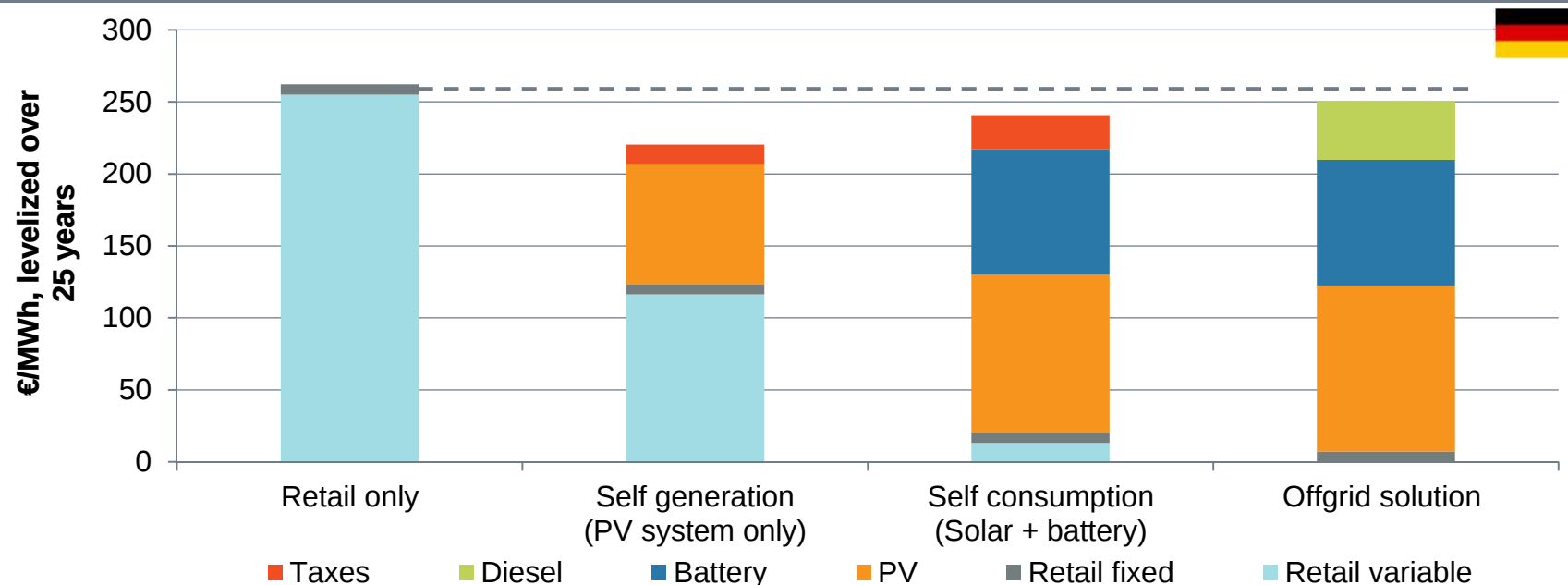


The issue of self-consumption: Germany case study (2020) – Commercial sector

Annualized cost of different options - Germany case study (2020)



Notes: Assumes a diesel generator cost of €200/kW, a delivered diesel price of €1.02/liter, a solar cost of €910/kW with a 11% starting capacity factor, and battery costs of €533/kWh. The PV system has a capacity of 110 and the diesel generator has a capacity of 100 kW, the battery has usable capacity of 120 kWh and a 75% depth of discharge. Taxes refer to income taxes and self generation taxes.

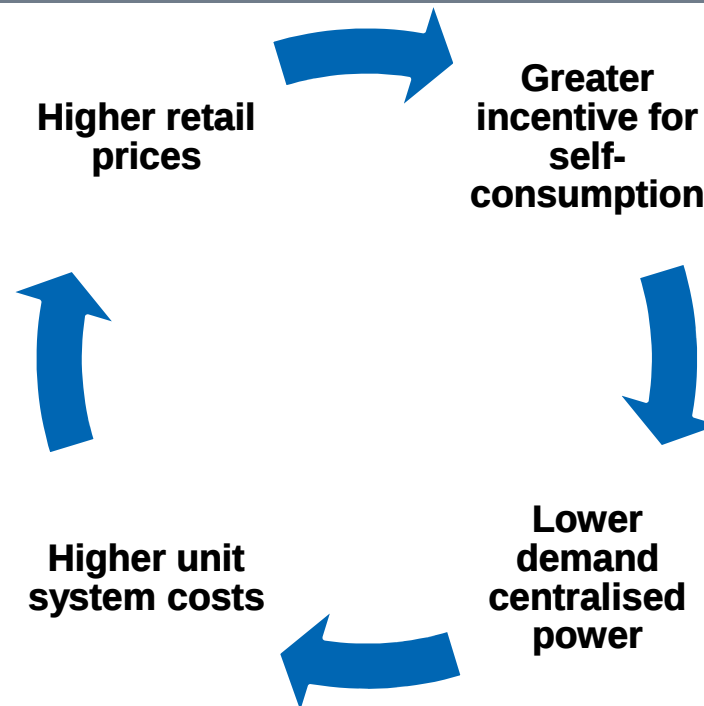
Source: IHS

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Volumetric based retail tariffs (in €/kWh) incentivize self-consumption at the expense of grid electricity

The emerging cycle: Rising volumetric retail prices drive increase the attractiveness of self-consumption

The emerging cycle



Source: IHS

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Based on the IHS planning case outlook for system costs and power demand, a 10% reduction in power demand in 2030 would lead to a 5% increase in EU average retail prices, driving 2030 prices up by another €12/MWh.