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Clean Hydrogen Partnership



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Project development assistance for regions II - Cohesion Countries, Outermost Regions and Islands (PDA II)  
CAPEX Guidance

## CAPEX Guidance

Table 1, Table 2 and Table 3 below are included as guidance to assist regions in estimating total project costs. These are intended to only be used for the purpose of budget estimation, and should not be used for detailed project costing.

Applicant regions are encouraged to use alternative values if project specific estimates are available.

Category	Component Details and Size	Cost
Refuelling stations (without hydrogen production)	Small (200 kg/day)	€950,000
	Medium (400 kg/day)	€1.8 mn
	Large (1000 kg/day)	€3 mn
	Industrial (5000 kg/day)	€6 mn
Tube trailers	350 bar, 500kg capacity	€300,000
	350 bar, 1000kg capacity	€600,000
	500 bar, 500kg capacity	€500,000
	500 bar, 1000kg capacity	€1 mn

**Table 1:** Costing estimates for hydrogen infrastructure equipment.

Category	Component Details and Size	Cost
Chlor-alkali production	10,000 kg/day	€25 mn
Electrolyser	1.5 MW installed capacity	€2 mn
Compressor	500 bar, 500kg/day	€700,000

**Table 2:** Costing estimates for hydrogen production equipment.

Category	Component Details and Size		Cost	
Heavy-duty applications	Bus		€600,000	
	Passenger train		€4.5 mn	
	Heavy-duty trucks		€500,000	
Light- and medium-duty applications	Car		€80,000	
	Van		€100,000	
	Garbage truck		€600,000	
	Sweeper		€200,000	
	Construction mobile equipment	CCTV Tower		€20,000
		Lighting Tower		€20,000
		Welfare Cabin		€30,000
		200W Power Set		€6,000
	Forklift		€60,000	
	Bike		€4,000	
Scooter		€5,000		
Maritime applications	Ferry		€10 mn	
	Port crane		€15 mn	
Stationary applications	Domestic CHP (per household)		€30,000	
	Commercial CHP (400kW)		€2.5 mn	
	Commercial CHP (1,400kW)		€6 mn	
	Domestic hydrogen boiler and pipework (per household)		€3,000	
	Commercial hydrogen boiler (100kW)		€25,000	
	Commercial hydrogen boiler (1000kW)		€60,000	

**Table 3:** Costing estimates for hydrogen applications.