

E2P2

ECO EDGE PRIME POWER



Project ID:	101007219
PRD 2023:	Panel 4 – H2 end uses – stationary applications
Call topic:	FCH-02-9-2020: Fuel cell for prime power in data-centres
Project total costs:	EUR 4 053 460.38
Clean H₂ JU max. contribution:	EUR 2 499 715.50
Project period:	1.1.2021–28.2.2025
Coordinator:	Research Institutes of Sweden AB, Sweden
Beneficiaries:	Vertiv Croatia DOO za trgovinu i usluge, Vertiv, InfraPrime GmbH, Equinix Netherlands BV, Snam SpA, TEC4FUELS, SolydEra SpA

<https://www.e2p2.eu/>

PROJECT AND OBJECTIVES

The main objectives of E2P2 are to define the fuel cell prime power concept for data centres and to create an authoritative open standard for fuel cell adaptation to power data centres. E2P2 will demonstrate and validate a proof-of-concept fuel-cell-based prime power module for data centres and evaluate the opportunities for improved energy efficiency and waste

heat recovery. The project strongly anticipates opportunities for the European fuel cell suppliers to increase their uptake across multiple markets, with improved energy efficiency and cost-effectiveness.

FUTURE STEPS AND PLANS

The main target is to get the demonstrator up and running.



QUANTITATIVE TARGETS AND STATUS

Target source	Parameter	Unit	Target	Target achieved?
	Availability (% of plant available power)	%	97	
MAWP addendum (2018–2020)	Electrical efficiency	% LHV	42–62	
	CAPEX	€/kW	3 500–6 500	