

## ***Development of hydrogen infrastructures in Italy: IP point of view on transport mobility***

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Italiana Petroli (IP) owns some 4,600 petrol stations throughout Italy, which represent a strategic infrastructure on which to invest to tackle the transition towards a more sustainable mobility and to respond to the needs of the Country, as petrol stations are becoming more and more multi-energy and multi-service hubs that must provide an extensive and varied offer reflecting the evolving technologies and, last but not least, a full support to the EU decarbonization policy.

IP contribution aims at analyzing: (i) the opportunities that IP's widespread petrol stations network together with its integrated logistic system can give for reaching the needed scale factor in order to decrease the costs of the supply chain of the hydrogen transport mobility sector; (ii) the technical and financial barriers that still have to be overcome in order to realize the first so called hydrogen ecosystems which can trigger the hydrogen transport mobility (i.e. additional renewable power availability and LT PPA market development, grid fees exemption scheme still to be defined, electrolyzers efficiency evolution, hydrogen production costs, hydrogen station costs, offtaking volumes levels)