



























DER flexibility: the Cigre C6/C2.34 definition (in progress)

"In the context of DER, flexibility is the ability of one or more resources to modify their net operational active and/or reactive power injection/withdrawal.

Flexibility is specified at one or more grid locations by amount, delivery time, duration, and relevant constraints (e.g., DER and network technical constraints, market conditions, and social aspects)."

Focus on aggregation and (networks) constraints

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Back to the future

"Water will one day be employed as fuel, that hydrogen and oxygen which constitute it, used singly or together, will furnish an inexhaustible source of heat and light, of an intensity of which coal is not capable.

Someday the coal-rooms of steamers and the tenders of locomotives will, instead of coal, be stored with these two condensed gases, which will burn in the furnaces with enormous calorific power."

Jules Verne, "The Mysterious Island", 1874

"For the anxious, progress towards a hydrogen future is too slow. But look back a few decades from now and history will record the hydrogen industry as an overnight success"

Dr Alan Finkel, Chief Scientist of Australia, November 2019

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Source: COAG Energy Council, Australia's National Hydrogen Strategy, November 2019 MES Flexibility and Resilience, MEM 2021, Oct21 38

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