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## **Green Hydrogen Storage for California**

I have managed energy storage and hydrogen R&D at Electric Power Research Institute (EPRI) from 1978 to 1994. I was member of the EPRI team to help design, build and operate the first Compressed Air Energy Storage (CAES) plant in Alabama using a salt cavern for air storage for 110 MW plant rating and 26 hours of storage. This plant runs well now after its initial operations in 1991. During this period, I managed R&D for storing compressed air in the porous geological structure that are used for natural gas storage. This body of knowledge is applicable for exploring hydrogen storage in depleted gas reservoirs in California.

I am currently Chairing the Technical Advisory Committee for the T2M Global Inc. who are under California Energy Commission (CEC) contract to develop advanced hydrogen energy storage for California. The need for bulk hydrogen storage for managing the intermittent solar and wind power is very evident and several technical reports make this point very emphatically. I look forward to advance this knowledge and show it feasibility in few depleted gas fields.