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## **C1PL01: The Growing Hydrogen Economy and the Need for Liquid Hydrogen**

*Monday, 22 July 2019 08:15 (45 minutes)*

McKinsey has estimated that hydrogen could account for one-fifth of the total energy consumed by 2050. In 2030 it is envisioned that over 10-15 million automobiles and 500,000 commercial vehicles could be powered by hydrogen. Liquid hydrogen is potentially very attractive for fuel delivery as well as on-board vehicle usage in the transportation segment. There are challenges today including storage costs, evaporation rate, energy consumption and safety in deploying liquid hydrogen. This talk will explore the opportunities for liquid hydrogen in mobility as well as the challenges facing engineering companies today in deploying liquid hydrogen in the transportation segment.

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