



# HFSWG Update

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# Hydrogen Fueling Station Workgroup

## Vision:

Economical H<sub>2</sub> stations for all of the USA with safety, reliability, durability & performance that attracts consumers

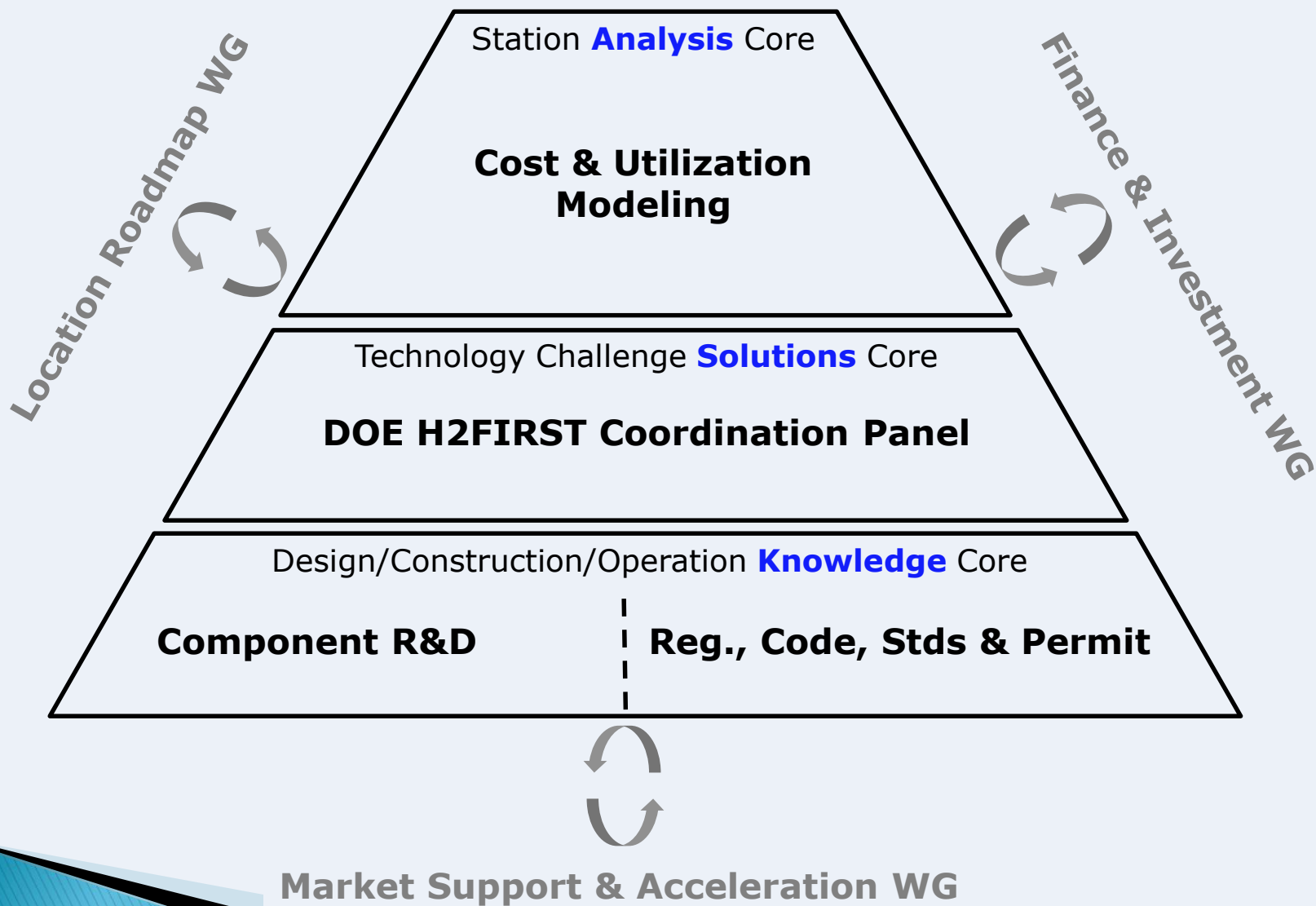


Moving H<sub>2</sub> stations from projects to products

## Mission:



# Hydrogen Fueling Station Workgroup Functions



# H2 Station Modeling & H2FIRST Activity

- Cost and Utilization Modeling:
  - Hydrogen Refueling Stations Analysis Model (HRSAM) provided a foundation for near-term station economic modelling activities in Finance Workgroup.
- H2FIRST activity:
  - Reference Station Design to aid understanding of station deployment needs & modeling work;
  - HyStEP device developed and tested – now starting use by California agencies to commission hydrogen fueling stations.

HyStEP testing of dispenser performance



Today's Problem: Each OEM performs vehicle test fills to validate station



Tomorrow's Solution: HyStEP acts as FCEV surrogate; operated by a testing agency



# H2 Station Components & RCS Activity

- Component R&D:
  - Focused on increasing reliability and reducing costs of the stations.  
Maintenance best practices document in development to reduce maintenance costs using real world data from past and present H2 stations.
- Joint Task Group on Regulations, Codes & Standards:
  - Key codes and standards for FCEVs and fueling infrastructure are in place.
  - Focus is on raising awareness, promoting adoption, and making information available to facilitate deployment.

