





**Building Scale: Across Markets & Technologies** £ Hz **OFF-HIGHWAY** POWER GEN H2 GENERATION (Ma For the second s **ON-HIGHWAY** FUEL CELLS H2 STORAGE ..... CLEAN - + DIESEL eſ H2 ICE BATTERIES WHEEL MOTORS 494 000 111 ADVANCED ICE POWER MERITOR ELECTRONICS NATURAL COMPONENTS GAS 5 Jacobs Vehicle Systems Cummins 4



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## H2 ICE: Decarbonize Sooner

While a Fuel Cell Electric machine could be the long-term solution to decarbonizing the off-highway market, a Hydrogen Engine provides a complementary short- and medium-term solution for decarbonizing.

- ✓ Best Option for the Environment
  - Zero-carbon with green Hydrogen
  - Scale production can begin mid decade
  - Benefits to End Users
    - Competitive initial cost
    - Drop-in replacement for diesel
    - Familiar powertrain technology, vehicle technology, and maintenance practices
    - Single fuel supply switch
- ✓ Complementary with a Hydrogen Fuel Cell Future
  - Builds scale for Hydrogen storage tanks on vehicle
  - Drives Hydrogen fueling infrastructure

Hydrogen Engine Powered Excavator

Cummins 6









## Our Commitment: Continued investment in diesel across market segments alongside other technological investments leveraging scale



