



Hydrogen Filling Station Approved for Mazda

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([PRWEB](#)) April 2, 2005 -- Mazda Motor Corporation has received authorization from the Japanese government to operate a hydrogen-gas filling station near its Hiroshima headquarters. The station stores and supplies fuel to Mazda vehicles powered by hydrogen rotary engines; the vehicles are currently under development. The station should be able to fill up to 10 vehicles a day.

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The novel concept appeared as part of the Mazda display at the International Detroit Motor Show in January, and builds on the colossal worldwide success of the Mazda RX-8 four-door coupe. The H2RE is powered by a modified version of Mazda's award-winning RENESIS rotary engine and features an electronically controlled hydrogen direct injection system on the rotor housing.

The hydrogen/rotary combination also offers superior environmental performance - zero CO2 emissions and near zero NOx emissions. The innovative engine can be built reliably at a relatively low cost because existing parts and production facilities are utilized. More importantly, the hydrogen/gasoline dual fuel system will enable the H2RE to travel beyond the range of the few hydrogen filling stations now available.

Mazda will continue to develop this technology for practical use and for a hydrogen-fuelled society of the future.

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