

Development Trend of Fuel Cell Trains in Overseas

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The fuel cell is drawing attention as a clean power source that utilizes hydrogen as fuel to create electricity. In Japan, household-use fuel-cell systems have been sold since 2009, and fuel cell automobiles have come onto the market since 2014. In the field of railway vehicle, we, RTRI, are researching and developing a railway vehicle where fuel cells are used as a traction power source. In addition, Alstom, a French railway manufacturer, released a fuel cell railway vehicle in 2015, and an affiliated company of CRCC released a fuel-cell Low-floor trams in 2015. Recently, research and development of fuel cell trains has been initiated. So, we report on development trend of fuel cell trains in overseas.