

# Technical support for the spread of fuel cell mobility

Supporting the evolution of hydrogen production with evaluation technology

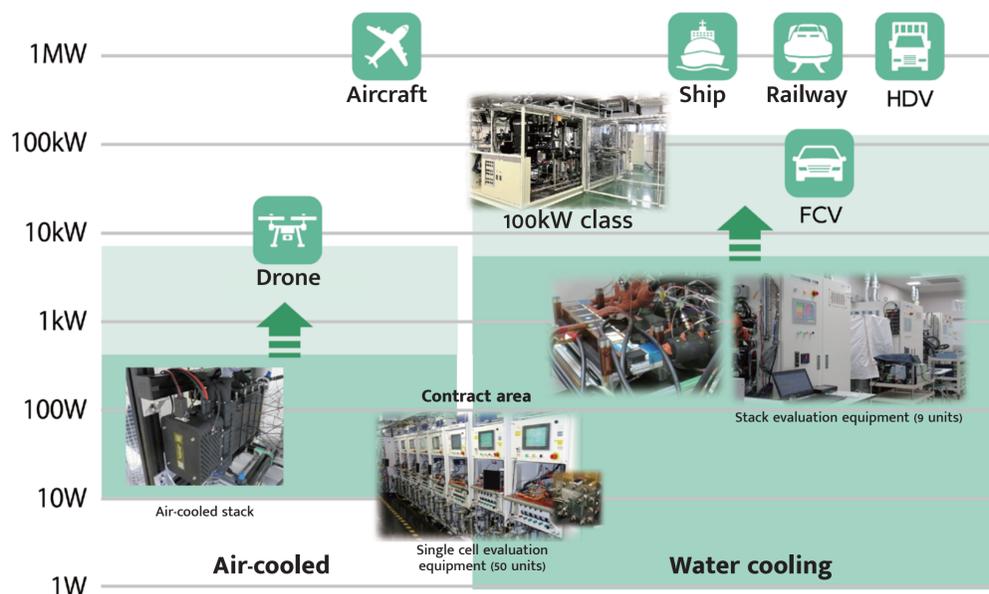
We support the development of fuel cell mobility, including FCVs and HDVs, which are expected to become widespread from 2030 onwards, from single cells to 100kW-class stack evaluations.

## Circumstance/Assignment

We provide multifaceted support, including proposals, testing, and analysis, to help customers solve their problems.

- Securing resources, such as engineers and testing equipment, and building up the necessary technology to evaluate the characteristics of devices (single cells and stacks) are major challenges in developing PEFCs.
- At KRI, we've built a testing system that can meet our customers' requirements by leveraging our extensive PEFC evaluation resources and analytical techniques cultivated through many years of contract evaluation work.

### Fuel Cell Mobility Map



### Hydrogen supply equipment



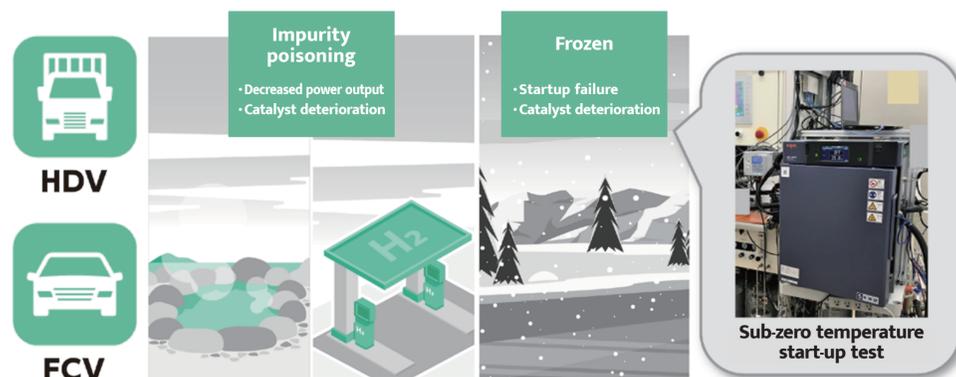
Storage volume : 5800m<sup>3</sup>

## Suggestion

We handle everything from standard tests to tests that simulate the real-world environment of fuel cell mobility.

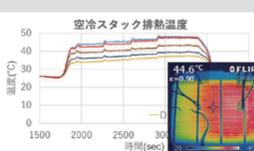
### Special environment testing for fuel cell mobility

- High-temperature characteristic testing is possible, simulating the 120°C operating temperature required for HDVs.
- Testing is possible in special environments, simulating start-up in cold regions (30°C) and impurity poisoning caused by driving in hot springs, etc.

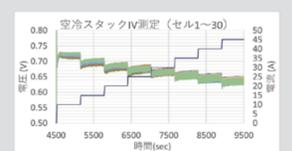


### Various evaluations of air-cooled stacks

- We can handle a wide range of tasks, from individual testing of air-cooled stacks to system operation analysis.



System behavior analysis



Stack unit test