

Fukuoka FCV Club was established through local industry-academia-government collaboration, to integrally promote the dissemination of FCVs and development of hydrogen stations as a community-wide initiative.

Fukuoka FCV Club

Major activities

- Promote understanding of FCVs
- Disseminate information relating to FCVs
- Spearhead the introduction of FCVs
- Promote the development of hydrogen stations

Fukuoka FCV Club

Date of establishment: Aug. 19, 2014

Representative: Mr. Yutaka Aso (Chairman, Kyushu Economic Federation)
Hiroshi Ogawa (Governor, Fukuoka Prefecture)

Membership: Companies, universities, administrative bodies, etc. in Fukuoka that are engaged or interested in the introduction of FCVs or the development of hydrogen stations

*276 members (as of Dec. 2019)



Kick-off event (Aug. 19, 2014)



Battle cry toward the creation of an FCV dissemination center



Exhibition hall

Dissemination of FCVs

Spearheading the introduction of FCVs



FCV official vehicle (Toyota MIRAI)



FCV official vehicle (Honda CLARITY)

3 FCVs introduced as official vehicles

Support for introducing FCV taxis



FCV taxi joint dispatch ceremony (Mar. 25, 2015)

5 FCV taxis introduced for the first time in Japan



Exhibitions and test-riding events (Fukuoka FCV Caravan)

Information provision

<http://www.fcvclub.jp>

Development of hydrogen stations

Land acquisition support

Consistent support, from the introduction of candidate sites to negotiations with land owners

Financial support

Support by means of prefectural subsidies in addition to national subsidies

<Hydrogen stations in Fukuoka prefecture>



Higashihama Hydrogen Station (Higashihama, Higashi-ku, Fukuoka-shi)

First hydrogen station in Western Japan to be located on the premises of a government office

Fukuoka Government Office Hydrogen Station (Higashikoen, Hakata-ku, Fukuoka-shi)



Iwatani Hydrogen Station Kokura (Takahama, Kokurakita-ku, Kitakyushu-shi)



Dr. Drive Self Koga SS Hydrogen Station (Kubo, Koga-shi)



Dr. Drive Self Ito SS Hydrogen Station (Saito, Nishi-ku, Fukuoka-shi)



Fukuoka City Chubu Sewage Treatment Center Hydrogen Station (Aratsu, Chuo-ku, Fukuoka-shi)



Dr. Drive Self Fukuoka Airport SS Hydrogen Station (Beppukita, Shime-machi, Kasuya-gun)



Dr. Drive Self Dazaifu Interchange SS Hydrogen Station (Mikasagawa, Ohnojo-shi)



Yahata-Higashida Hydrogen Station (Higashida, Yahatahigashi-ku, Kitakyushu-shi)



Fukuoka-Miyata Hydrogen Station (Kamiaruki, Miyawaka-shi)

Fukuoka Strategy Conference for Hydrogen Energy

7-7 Higashikoen, Hakata-ku, Fukuoka-shi, Fukuoka 812-8577

TEL.092-643-3448 FAX.092-643-3421 E-mail : info@f-suiso.jp URL : <http://www.f-suiso.jp/>

Feb. 2020

Industry-academia-government partnership established prior to nationwide

Fukuoka Strategy Conference for Hydrogen Energy

~Realizing a hydrogen energy society Towards~

Fukuoka Strategy Conference for Hydrogen Energy was founded in August 2004 as a pioneering all-Japan organization of its kind in the country run under industry-academia-government collaboration. Fukuoka's collective strength is being harnessed to propel a project for realization of a hydrogen energy society.

Fukuoka Strategy Conference for Hydrogen Energy

Date of establishment

Aug. 3, 2004

Advisers

Hiroshi Ogawa, Governor, Fukuoka Prefecture
Kenzo Yoneda, Director General, Kyushu Bureau of Economy, Trade and Industry
Kenji Kitahashi, Mayor, City of Kitakyushu
Soichiro Takashima, Mayor, City of Fukuoka
Chiharu Kubo, President, Kyushu University

Secretary

- Nippon Steel Engineering Co., Ltd.
- Toyota Motor Corporation
- Hydrogen Energy Test and Research Center
- Iwatani Corporation
- Kyushu Electric Power Co., Inc.
- Saibugas Co., Ltd.
- Shimizu Corporation
- JXTG Nippon Oil & Energy Corporation
- Electric Power Development Co., Ltd.
- Honda Motor Co., Ltd.
- Mitsubishi Hitachi Power Systems, Ltd.
- Panasonic Corporation
- Kyushu University International Research Center for Hydrogen Energy

President

Shinji Tanimoto, Nippon Steel Corp.

Vice Presidents

Koji Toyoshima, Toyota Motor Corp.
Manabu Tsuyoshi, Iwatani Corp.
Yutaka Kuwahara, JXTG Nippon Oil & Energy Corp.
Kazunari Sasaki, Kyushu University

Members

822 companies and organizations

(as of Feb. 2020)

Development and aggregation of new industries in the hydrogen energy sector

Detailed support for new industries, from product development to business matching

Product development support

Commercialization support from HyTReC (Hydrogen Energy Test and Research Center (HyTReC))

The world's highest level of testing, including durability and performance evaluations, is offered to help companies in their development of products and review of regulations.

Original subsidy system

<Case examples where the original subsidy system has been applied>

Hydrogen fuel CO densitometer



Yabegawa Electric Industries, Ltd.

Hydrogen telemetry



Kyushu Electro Technology

High durability rubber O-ring for hydrogen



Techno-Tsukihoshi co.

Compact hydrogen sensor

[Sensor unit] Detector



Sensor head
A detector that utilizes the Visible Hydrogen Sheet that reacts specifically to hydrogen
Kyushu Keisokki Co., Ltd. / Atsumitec Co. Ltd.

Metal packing for ultra-high pressure hydrogen



TOKI engineering

Combustor for ENE-FARM



TEC PRECISION CO., LTD.

Knowledge provision (component workshops)

Knowledge of the structures and functions of component parts is provided with the cooperation of hydrogen manufacturers.

Individual consultation and advice

Technical advisors (former employees of hydrogen-related companies) are dispatched to help companies identify technical issues, offer advice for improvement and provide individual support in making technical proposals to manufacturers.

Residential fuel cell (ENE-FARM)

FCV / Hydrogen station



Mr. Noboru Hashimoto
(former employee of
Panasonic Corporation)

Mr. Hidemi Ohnaka
(former employee
of Toyota Motor
Corporation)



Mr. Kimihide Horio
(former employee
of Toyota Motor
Corporation)

Business matching support

Support is provided to help companies participate in trade fairs toward cultivating sales channels for their products.

R&D

Support by the most advanced research centers in the world

Support is provided for R&D projects on hydrogen manufacturing, transportation, storage and usage, from global research centers on hydrogen and fuel cells that are congregated in Kyushu University.

HYDROGENIUS

(Kyushu University Research Center for Hydrogen Industrial Use and Storage)

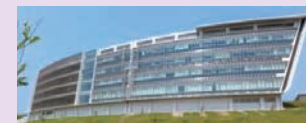
HydroMate

(AIST-Kyushu University Hydrogen Materials Laboratory)



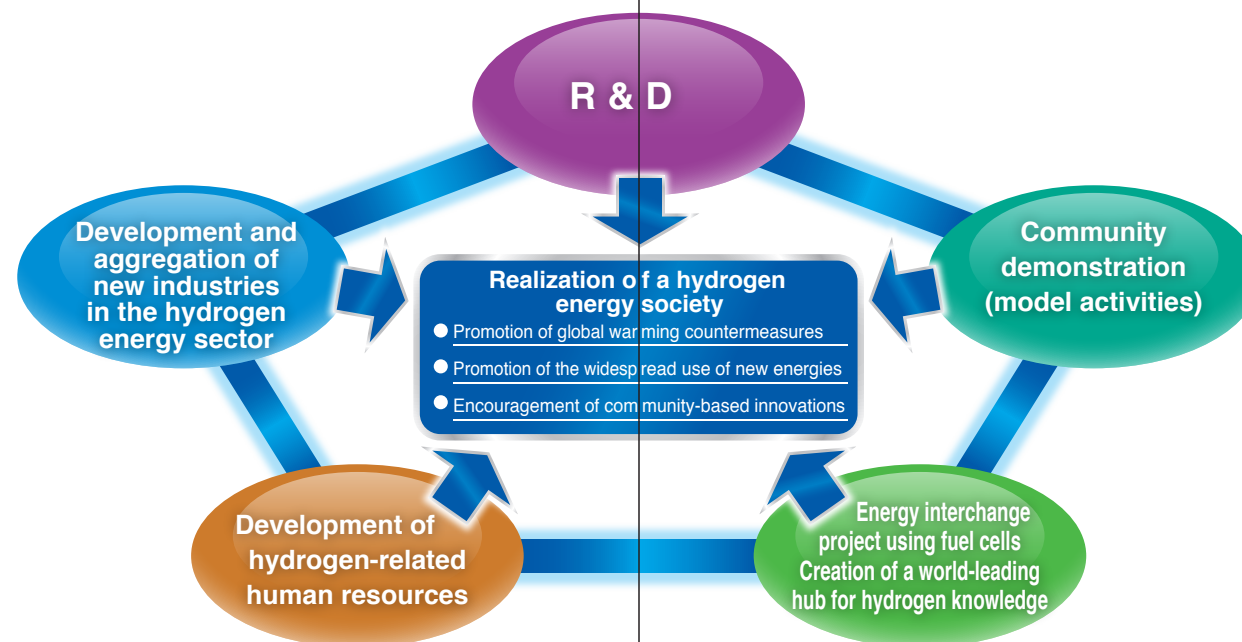
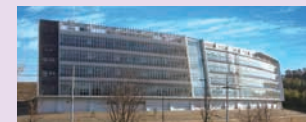
NEXT-FC

(Next-Generation Fuel Cell Research Center)



I²CNER

(International Institute for Carbon-Neutral Energy Research)



Development of hydrogen-related human resources

Support for corporate human resources development

Technical courses that include hands-on training

Held course

- Introductory course on hydrogen
- Specialized course on hydrogen

Implementation of lecture courses in response to increasing needs accompanying the dissemination of FCVs and the ENE-FARM system (attended by 1,400 participants to date)



Energy interchange project using fuel cells Creation of a world-leading hub for hydrogen knowledge

Global dissemination and local introduction of knowledge

International Hydrogen Energy Development Forum

Dissemination of Japan's initiatives with a focus on Fukuoka, and local introduction of knowledge from other countries



2010 IPHE* Excellence in Leadership Award

Award presented to individuals, organizations and international projects that are recognized for their contribution to the transition toward a hydrogen economy



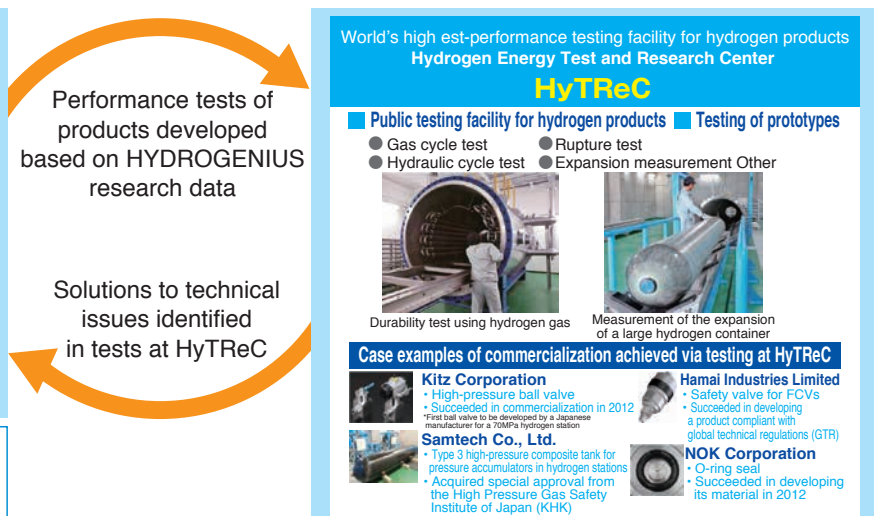
Creation of a world-leading hub for hydrogen knowledge
Awarded to an organization for the first time in the world

*International Partnership for Hydrogen and Fuel Cells in the Economy (framework of policy makers from institutions representing 18 worldwide countries)

Support framework for the FCV and hydrogen station sector

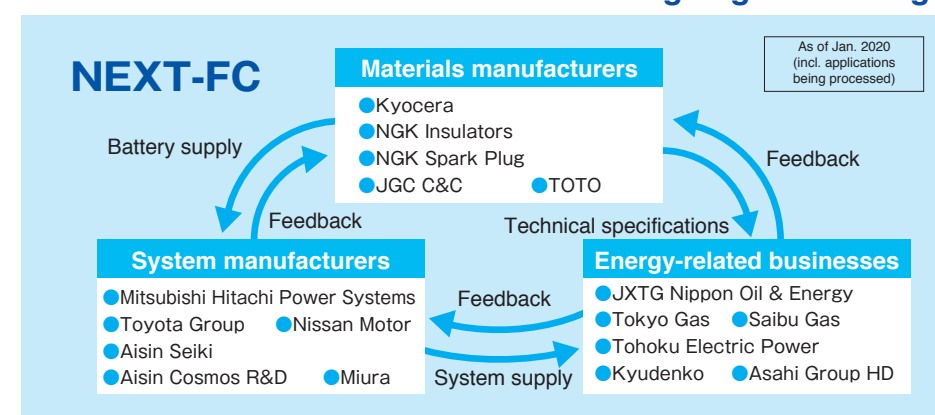
- Support for corporate technical development
- Acceleration of regulation reviews
- Contribution to international standardization

➤ Safety improvement, cost reduction



Support framework for the next-generation fuel cell sector

- World's first industry-academia intensive research in the next-generation fuel cell sector (Next-Generation Fuel Cell Research Center (NEXT-FC))
 - Corporate laboratory ensuring strict confidentiality. Approx. 15 resident companies.
 - One-stop support (consistent support from basic research to demonstration)
- Utilization of the seeds of diverse cutting-edge technologies in the university



World's cutting-edge analysis facilities available to resident companies

