Political Initiative to Hydrogen Energy Society

~ to seek partnership for global energy security ~



Japan Liberal Democratic Party

Policy Study Group for Hydrogen Energy Society focusing on Fuel Cell Vehicle Secretary General

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Established the Liberal Democratic Party (LDP) Policy Study Group for Hydrogen Energy Society focusing on Fuel Cell Vehicle. Crystalized the authentic public-private partnership with robust political initiative.

LDP Policy Study Group for Hydrogen Energy Society (180 members)



Secretary- General	Mineyuki	Special Advisor to Minister of State for
Adviser	Akira Amari	Minister of State for Economic and Fiscal Policy Former Minister of Economy, Trade and Industry Former Chairman, LDP Policy Research Council
Deputy Chairman	Kazunori Tanaka	Director-General, LDP International Bureau Former Vice Minister of Environment Former Vice Minister of Finance
Deputy Chairman	Taro Kono	Chairman, the National Public Safety Commission Minister of State for Disaster Management Minister of State for Regulatory Reform
Chairman	Yuriko Koike	Former Minister of Defense Former Minister of Environment Former Special Advisor to Prime Minister

- Approx. 180 national Diet members are involved
- Policy consultation held once in two weeks

Private Sector (21 companies)

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- 1. Toyota
- 2. Air Liquide Japan 8. Kawasaki Heavy
- 3. Nissan
 - Honda 9. Hitac
- 5. Hino

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- 6. JX Nippon Oil & ¹ Energy
- Industry 9. Hitachi

Iwatani

- 10. Fuji Electric
- 11. Toshiba

Government

- Ministry of Economy, Trade and Industry (METI)
- Agency for Natural Resources and Energy
- Ministry of Land, Infrastructure, Transport and Tourism (MLIT)
- Ministry of Environment (MOE)
- Fire and Disaster Management Agency
- Cabinet Office
- Ministry of Education, Culture, Sports, Science and Technology (MEXT)

The Policy Study Group plays a critical role to achieve the hydrogenfocused Strategic Energy Plan, the Strategic Roadmap for Hydrogen and Fuel Cells as well as PM Abe's full support for hydrogen technologies.



Source: Satsuki Channel Special (http://www.youtube.com/watch?v=tqrbe0t13jw)

Best model to start: Hydrogen application to the existing fossil fuel facilities to improve production efficiency as well as to reduce CO2 emission.



Hydrogen society model in Yokohama City





Many countries have invested in hydrogen. However, the scale of investment is not sufficient as well as the scope is limited to hydrogen mobility.

Limitation of Scale and Scope



US Department of Energy (USA), National Hydrogen and Fuel Cell Technology Innovation Program (Germany)

There is no politics-driven initiative to exceed the level of existing approach mostly driven by government office and private sectors.

Results of Interviews and Research



Political initiative are hardly seen in the world. The efforts are limited to the scale of bureaucracy and private sector-driven approach.

Key proposal to IPHE Steering Committee

- 1. Establish an international political caucus to develop hydrogen industry
- All politicians with hydrogen business in their constituency gather to discuss innovative policy coordination for hydrogen promotion with out-of-the-box thinking.
- The politicians who attended the international caucus will organize their domestic chapter to promote hydrogen industry in each country and to accelerate technology innovation in hydrogen

- 2. Upgrade IPHE to policy consultation platform among politician, government officials and private business
- IPHE invites hydrogen business companies to participate and let them propose the necessity of deregulation as well as new rule
- IPHE provide the opportunity for private companies to display the state-of-art hydrogen technologies to policymakers gathered from all over the world.

3. Add another function to provide policy suggestion in hydrogen to COP

The following strategic purpose should be added to the current role of IPHE meetings held twice a year.

Summer: IPHE suggests what agenda should be discussed in COP

Winter: Report on the progress of CO2 reduction program using the specific hydrogen technology agreed in COP

In Japan, hydrogen technology expanded to health/beauty industry and food industry . Hydrogen possess a great potential to economic development in various industries.

Boom in hydrogen supplement



Condensed hydrogen water





Hydrogen stove





Hydrogen tablet