

Proposal of power generation environment in water

A separator for a powdered semiconductor photocatalyst that decomposes water into hydrogen and oxygen, jointly developed with NEDO, the Artificial Photosynthesis Chemical Process Technology Research Association (ARPCChem), Shinshu University, Yamaguchi University, Tokyo University, and Industrial Technology Research Institute. We would like to realize commercialization together with power generation equipment in hydrogen utilization technology in the power generation environment in hydrogen power generation technology. New energy in zero emissions wants to realize its commercialization.

We would like to commercialize the request for industry-academia-government collaboration to the Japan Advanced Institute of Science and Technology and the borrowing of the lab to Ishikawa Science Park as a venture.

We would like to seek a foundation for entrepreneurship and corporate collaboration, request capital investment in venture capital, and present the possibility of commercialization.

We would like to propose product development for the combustion of hydrogen and oxygen, seeking high efficiency in the combustion of decomposed oxygen and hydrogen.

We would like to integrate the compact separator and generator with the fuel cell and realize its commercialization.