



September 29, 2023

Ammonia cracking technology development project funded by NEDO

Enhancing planetary health

Masahiro AIKA

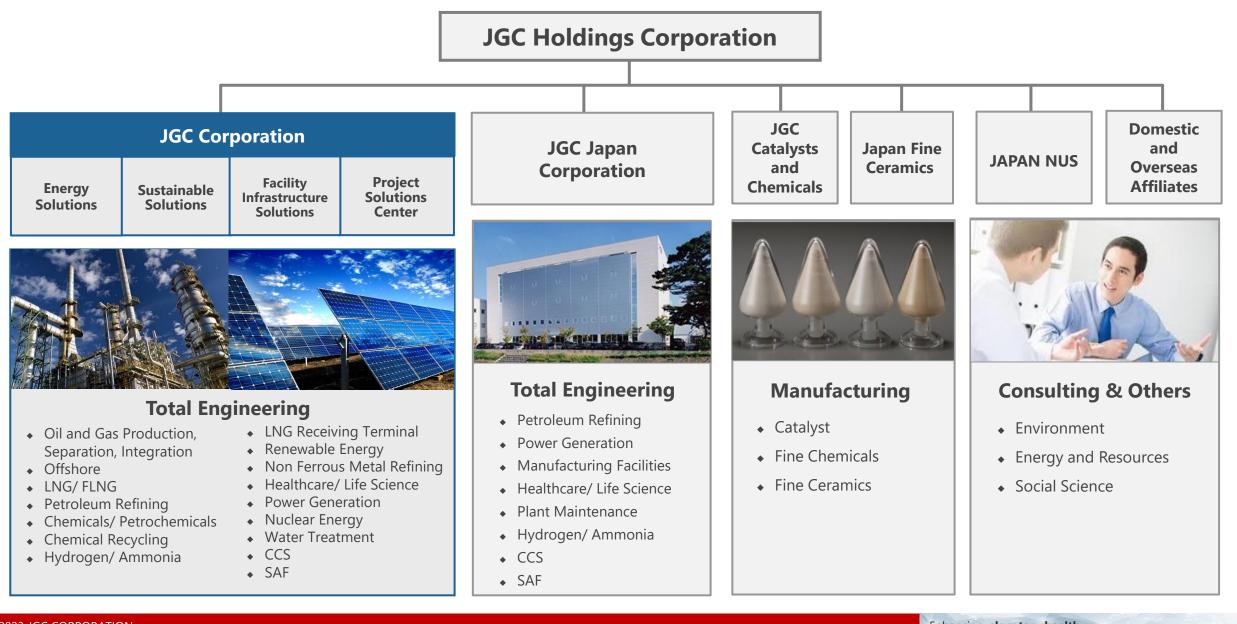
Senior Executive Officer,

Technology Commercialization Officer,

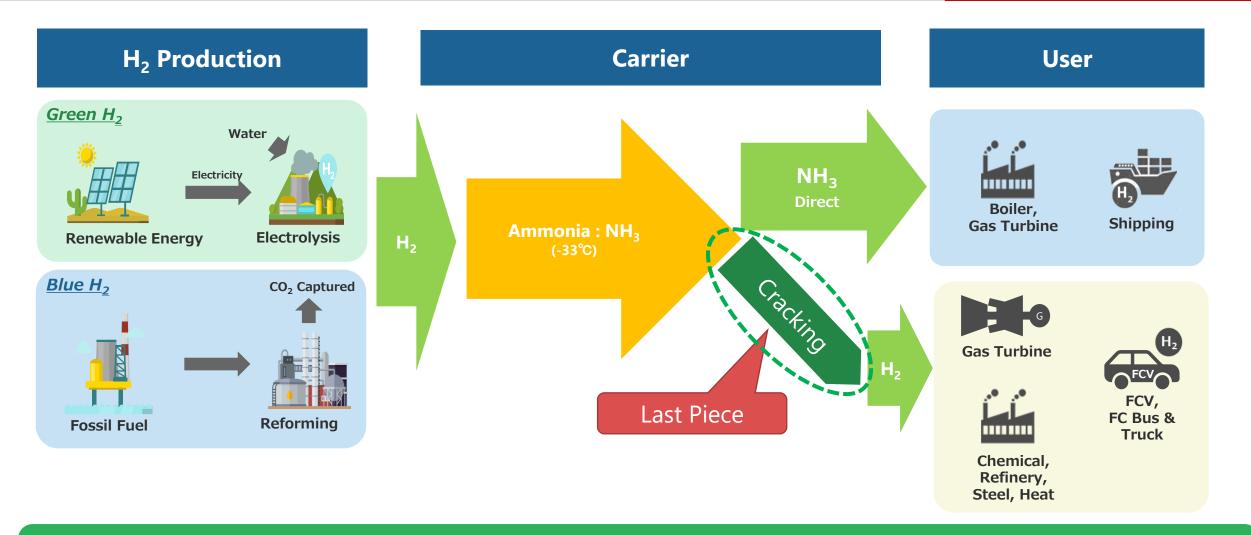
General Manager, Sustainable Co-Creation Office,

JGC HOLDINGS CORPORATION

JGC Group Structure

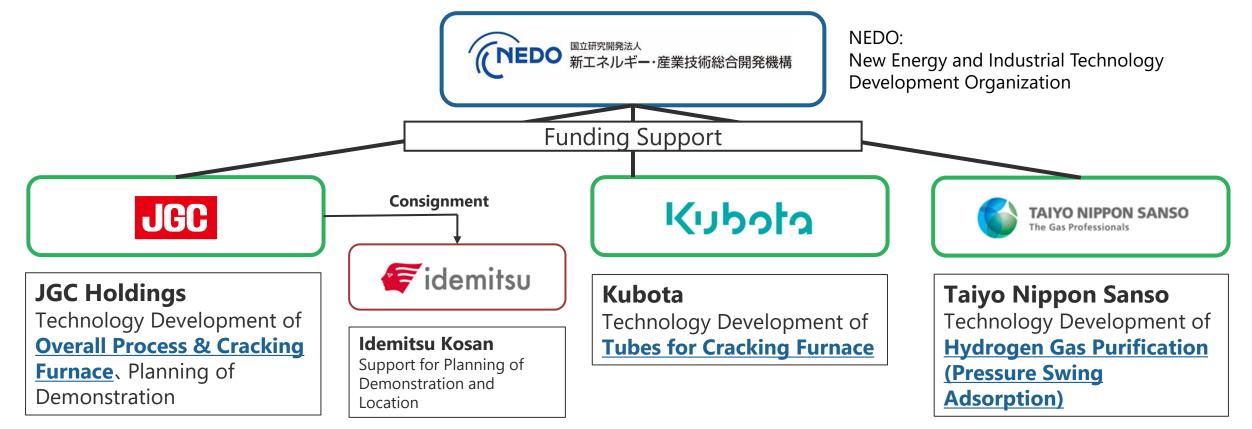


Background of the Project



Ammonia cracking technology is the last remaining piece of development. Cracking technology can deliver carbon neutral energy to various users. "Research and development of large-scale external thermal ammonia decomposition hydrogen production technology" project funded by NEDO

Organization of NEDO Funding Ammonia Cracking Technology Development Project

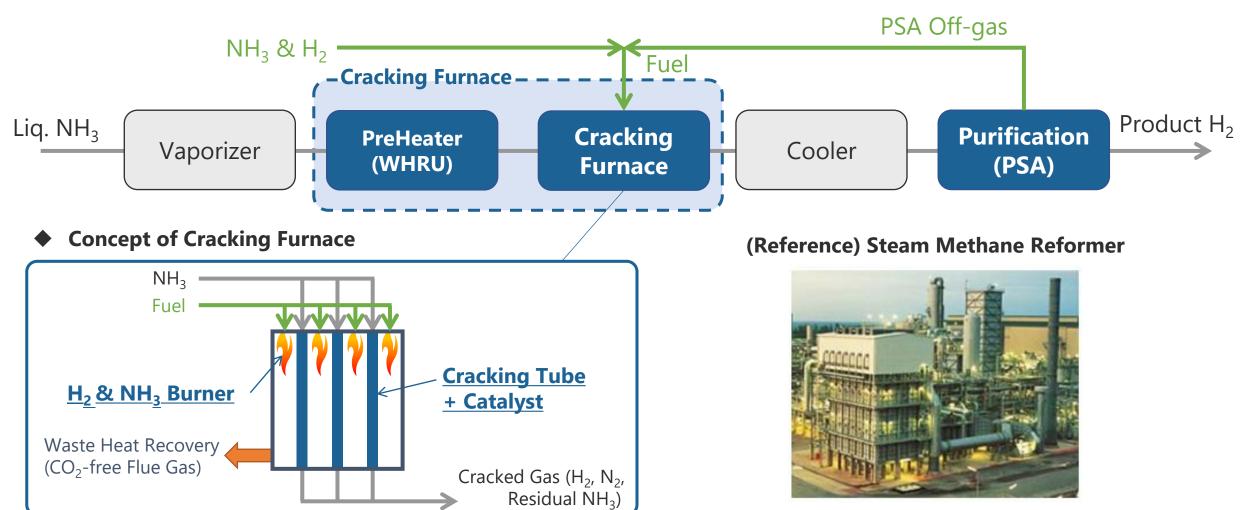


Period of NEDO Funding Ammonia Cracking Technology Development Project

Fiscal Year 2023 \sim 2024

"Research and development of large-scale external thermal ammonia decomposition hydrogen production technology" project funded by NEDO

Block Flow Diagram for Fired Tubular Ammonia Cracking and Hydrogen Production



... <u>large-scale</u>, <u>high-efficient</u>, and <u>zero-emission</u> cracking system

https://www.jgc.com/en/news/assets/pdf/20230706e.pdf

THANK YOU FOR YOUR KIND ATTENTION



