



**TNCHE Asia 2023 Conference**  
**" Decarbonization of Process Industry and**  
**Next-Generation Materials for Sustainability "**  
**Presenter Bio Data & Abstract**



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**Working Experience** : 6 years  
**Title of Presentation** : Alternative Fuel Toward Carbon Neutrality Using IHI's Standard Methanation  
**Presentation Abstract** :



The Paris Agreement sets out long-term goals to limit the increase in the global average temperature and reduce greenhouse gas emissions. In 2020, Japan declared that it aims to achieve carbon neutrality by 2050. In order to achieve carbon neutrality, suitable alternatives to fossil fuels are essential to supply energy for non-electric power sectors such as heat demand. Ammonia, hydrogen, e-methane, and so on are being considered as alternative fuels currently. Particularly, e-methane attracts attention because it can use existing supply chains. Green Growth Strategy Through Achieving Carbon Neutrality in 2050 sets goals to start injecting more than 1% of e-methane into city gas by 2030 and expand it to 90% by 2050.

IHI is a comprehensive engineering company and a leading technology provider in Japan; and has pledged to make its complete value chain carbon-neutral by 2050. Regarding the production of e-methane, IHI has started selling the Standard Methanation Unit and is engaged in various domestic demonstration projects using the Standard Methanation Unit. IHI provides the best possible solution for the realization of carbon neutrality.