

Tsubame BHB



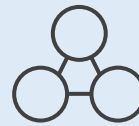
We are the ammonia synthesis technology company using electrified catalyst for tackling social issues such as food security

Our Vision

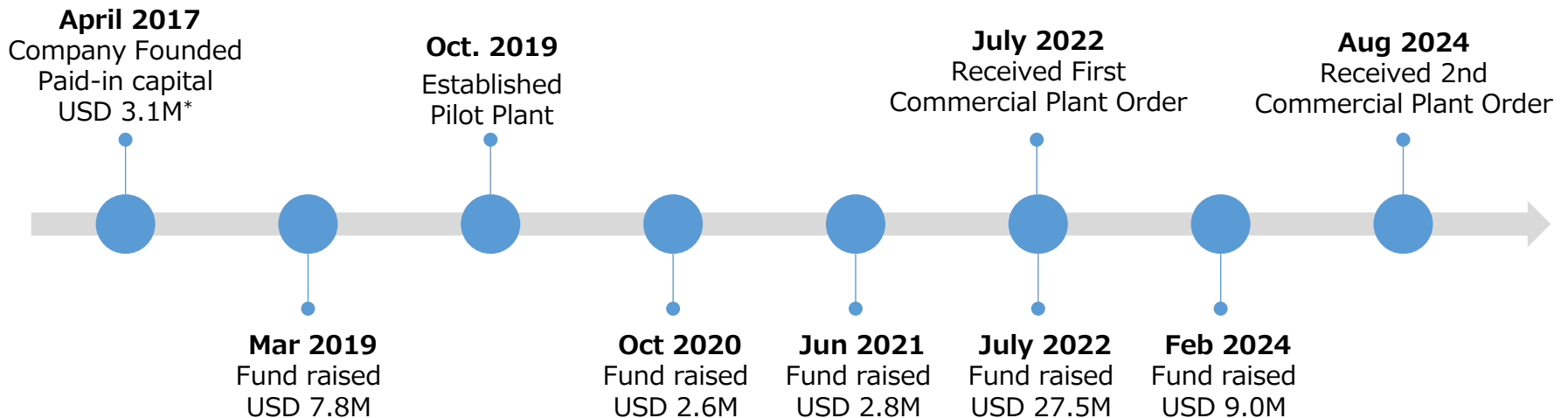
We tackle social issues, including environmental and food problems, using our unique state-of-the-art technologies



Founded in 2017 aiming for commercializing the innovative ammonia synthesis catalyst, or **Electrified catalyst**, originally developed by Professor Emeritus Hideo Hosono

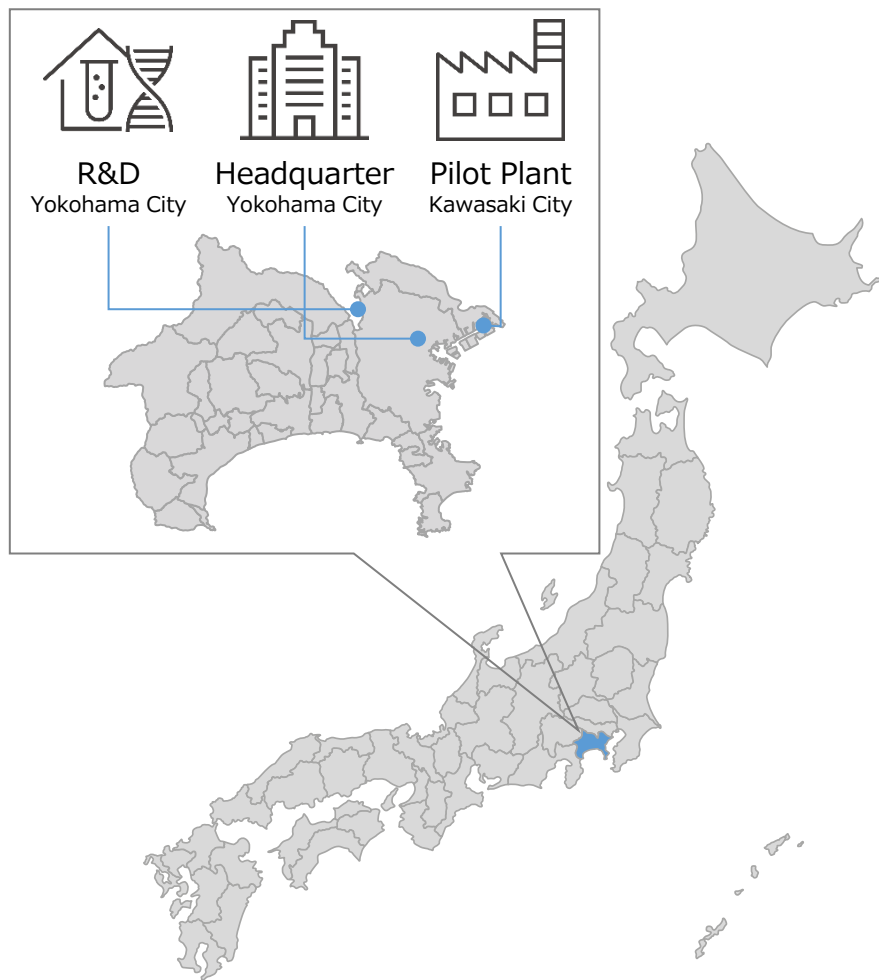


Roll out **distributed ammonia production system** to make sure that people from every corner of the world have access to ammonia, a key raw material for nitrogen fertilizer



* Calculated based on an assumption that USD 1.0 is equal to JPY 145.0 (idem from the following pages on)

We are headquartered in Yokohama city, neighbouring to our R&D facility and pilot plant, energized by 50+ talented employees



58
Employees*¹



12
Patents for electrified catalyst
and related process*²



18
Major shareholders



US\$ 52 MM
Fund raised in total






9
Awards received

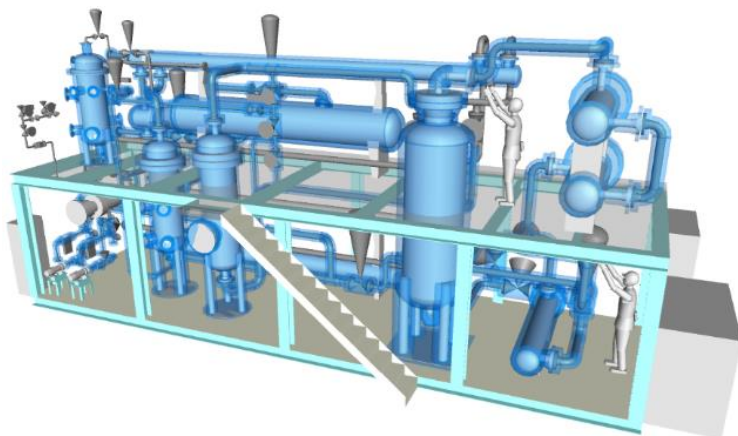
*¹ Number of direct employees as of August 2024

*² This includes (a) the patents that Tsubame BHB Co., Ltd. has exclusive right to use and (b) the cases to be pending with the examination

Our services include installing of NH₃ production system ranging from 500-5,000MT/y capacity, along with catalyst supply & training

	Capacity	Footprint*1
1	500MT /year	W16 x L21 m
2	3,000MT /year	W20 x L30 m
3	5,000MT /year	W25 x L40 m

Our Services	
	Installation of NH ₃ Related System*2 (Engineering and Procurement)
	Supply of Catalyst
	Operation Training

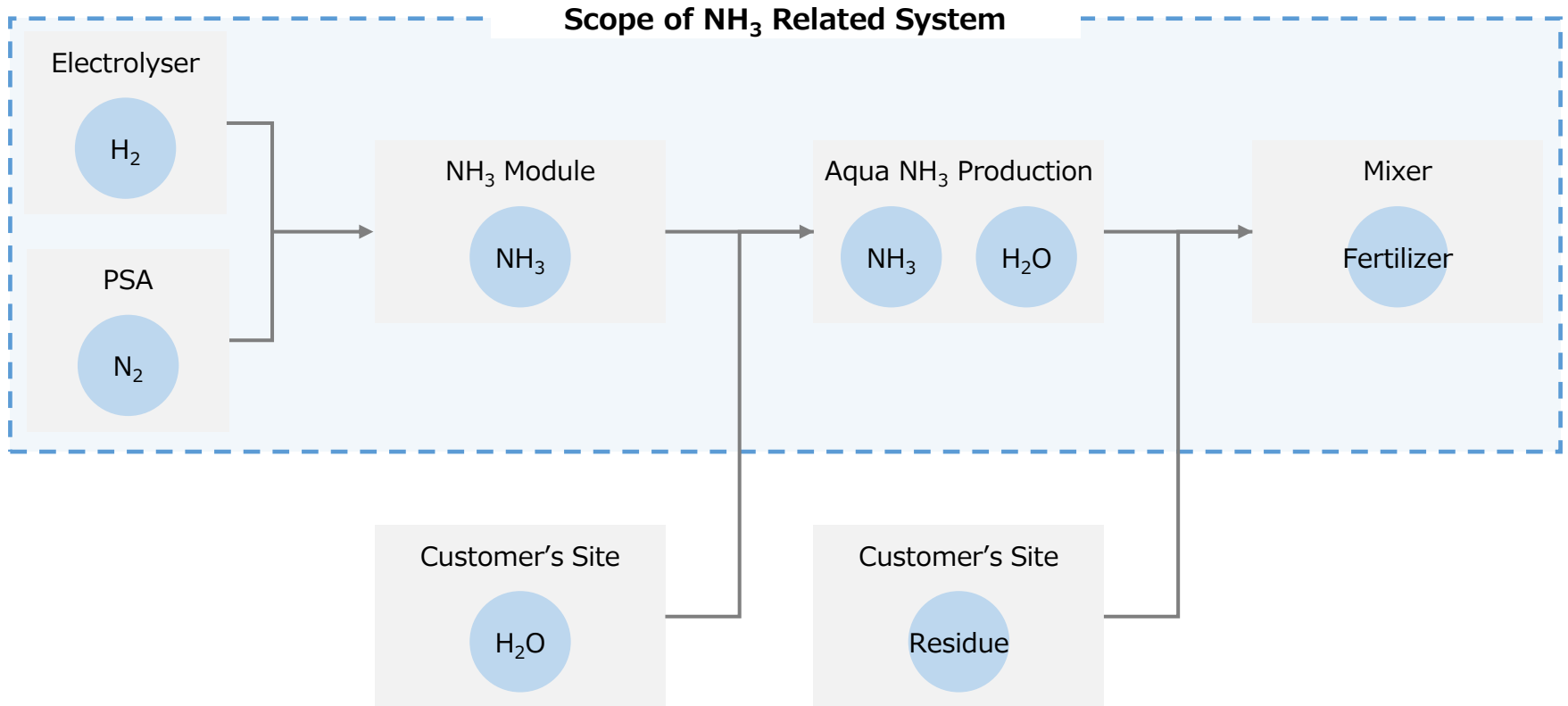


*1 Footprint is subject to change as process design improves

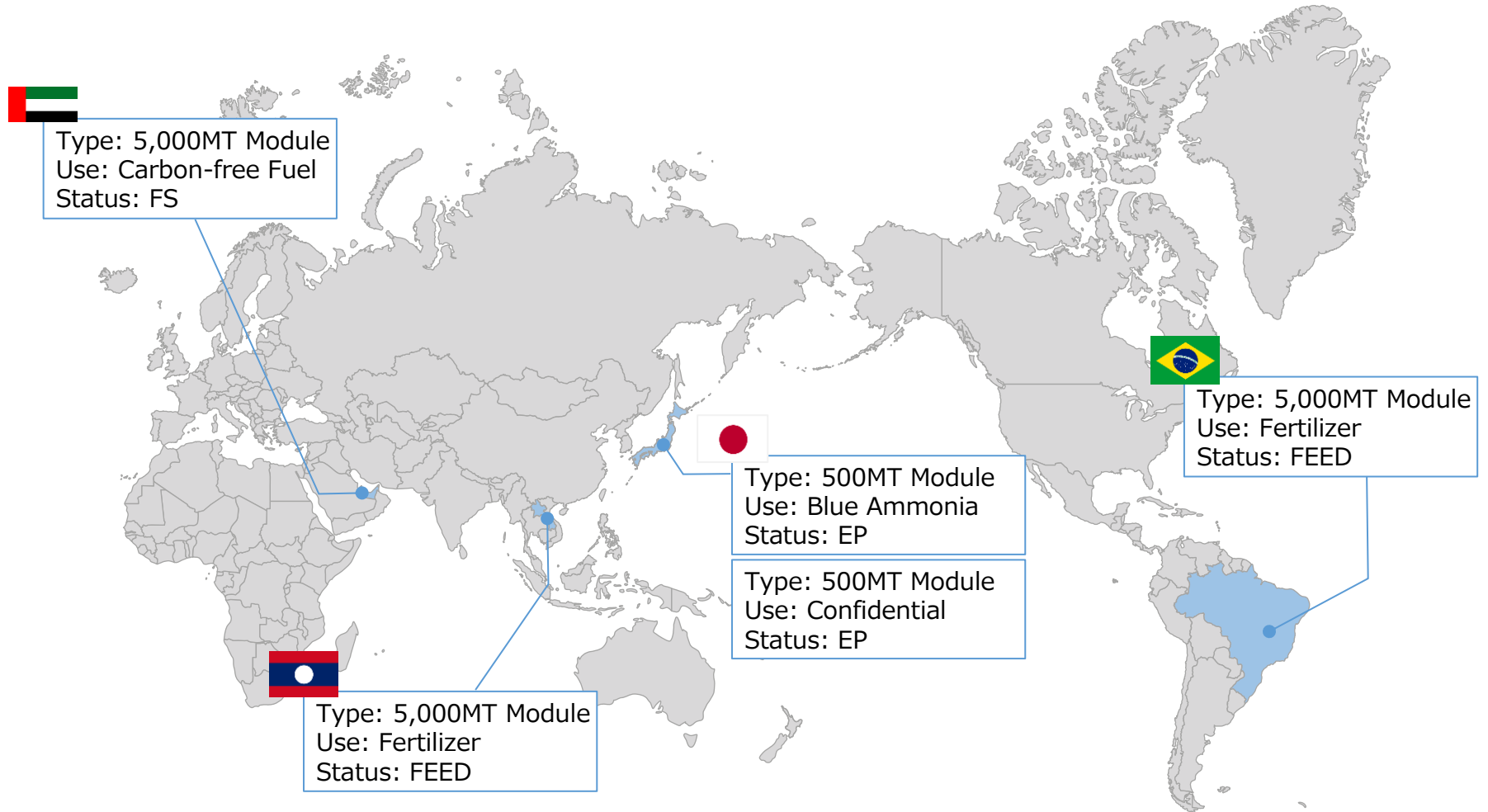
*2 NH₃ related system includes not only NH₃ production facility but H₂ and N₂ generator as well as the production facility of final product such as fertilizer

We are capable of engineering and procuring not only NH₃ module but the production facility of upstream/downstream product as well

In the case of fertilizer application



We have already received 2 commercial orders in Japan, while discussing other projects with partners overseas



We believe in ammonia, a material that is becoming a fabric of the world of decarbonization

