



[Overseas report] For Indonesia

Introduction example of biogas desulfurization facility

Company name: Singapore THINK NOLOGIES pte Ltd
 Customer: Biogas desulfurization (H₂S) facility in Indonesia
 Delivered 8 units of Mu-Aerator MA-25PP

Facility outline: We proposed a desulfurization facility using a Mu-Aerator as a device to remove hydrogen sulfide (H₂S) generated from a biogas refining plant.

A microbial carrier was used to remove hydrogen sulfide, and a mu aerator was placed to stir the wastewater in the desulfurization tower. **Achieved a hydrogen sulfide (H₂S) removal rate of >99.0% or more in actual operation.** It contributed to stable operation as a biogas plant for renewable energy.



Photo-1 Full view of the site

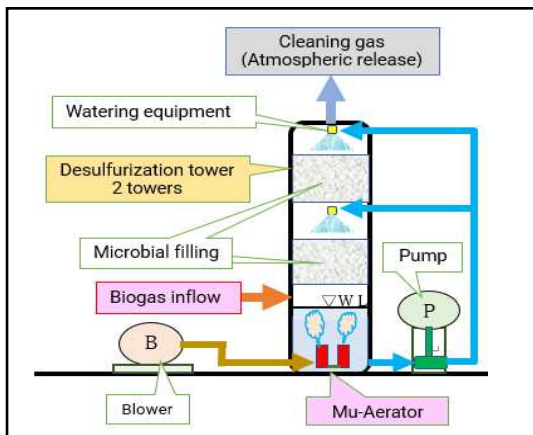


Fig. 1 Facility flow sheet



Photo-2 Stirring water tank using a Mu-Aerator



Photo-3 [Reference] Aeration agitation status of the Mu-Aerator

Comments from THINKNOLOGIES pte Ltd R Ananthan, CEO



R Ananthan, CEO

This biogas plant project was planned, designed and constructed from 2020 to 2021, and the facility was successfully completed and put into service.

In order to stabilize the removal of hydrogen sulfide (H₂S), it is necessary to consider the design such as the biogas passage speed of the microbial filling part and the reliable sprinkling of circulating water. Under these circumstances, **we received a design proposal from Mu Company Limited, knowing the existence of a maintenance-free "Mu-Aerator" that has no aerator failure.**

As a result of facility operation, the hydrogen sulfide (H₂S) removal rate was >99.0% or more, which was extremely good, and the numerical value below the design was hit, and the guarantee and high performance of Mu products were overwhelming. Similar facilities are planned in other countries in the future, and we would like to consider them from the planning stage. Mu products are reasonably priced and maintenance-free.

I hope that it will become the de facto standard for aeration stirrers in the future.

THINKNOLOGIES Pte Ltd homepage has also posted various projects that we have successfully completed www.thinknologies.net/projects



MU Company Ltd.

18-8 Ueno Park, Taito-ku, Tokyo 110-0007 Japan

TEL: +81-3-3828-7090 FAX: +81-3-3823-2890

http : //www.mu-company.com

Patents: China, USA, EU, Germany, Singapore , Japan

• Specifications are subject to change without notice. ©2022.4 Mu Company Ltd.