

# Innovation Elimination and Control

$H_2S$  gas in biogas digester  
by chemical method

Invented & Developed  
by  
Thai Researchers

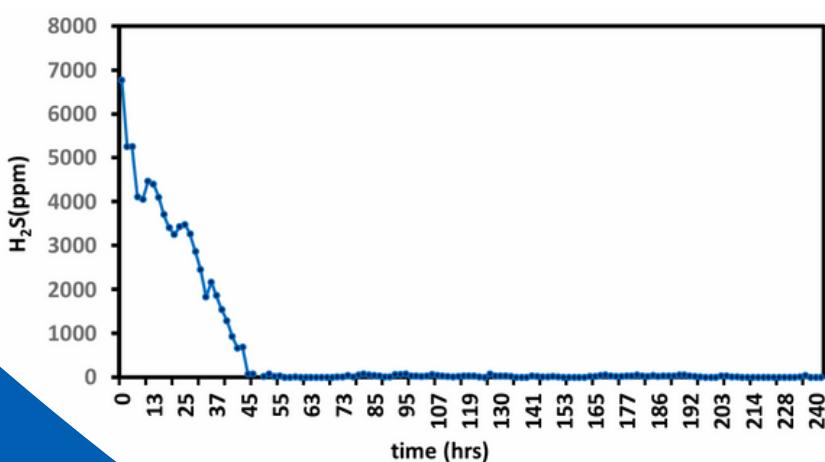
Certified Petty Patent  
Patent Number 25097

**Suitable for Industries**  
“with biogas production systems”

- Beer Factory
- Sugar Factory
- Food Production Factory
- Palm oil Production Factory
- Biogas Power Plant

**Performance**

$H_2S$  composed in biogas dramatically decrease  
after introducing treatment system



**Highlights of Innovation**

- This process involves the hydrogen sulfide gas removal from its original source within a biogas digester.
- **Decrease the concentration of  $H_2S$  composed in biogas from exceeding 10,000 ppm to below 100 ppm.**
- Methane gas levels have been increased by more than 10%.
- **No need to use Bio Scrubber.**
- Reduce the capital investment cost for biogas treatment system.
- Safety for users and operators.
- Reduce the corrosion problems of engines and equipments.



บริษัท วอเตอร์ทีส์ จำกัด  
WATER TEST CO., LTD.

208/14 Soi Phaholyothin 54/4 Yeak3 (Khankhai) Phaholyothin Rd.,  
Saimai, Saimai Bangkok 10220 Thailand  
Tel.(662) 9936625, 9936627, Tel.-Fax : (662) 9936634  
E-mail : water@ksc.th.com Website: www.water.co.th