

# Innovation Elimination and Control $H_2S$ gas in biogas digester by chemical method

*Invented & Developed  
by  
Thai Researchers*

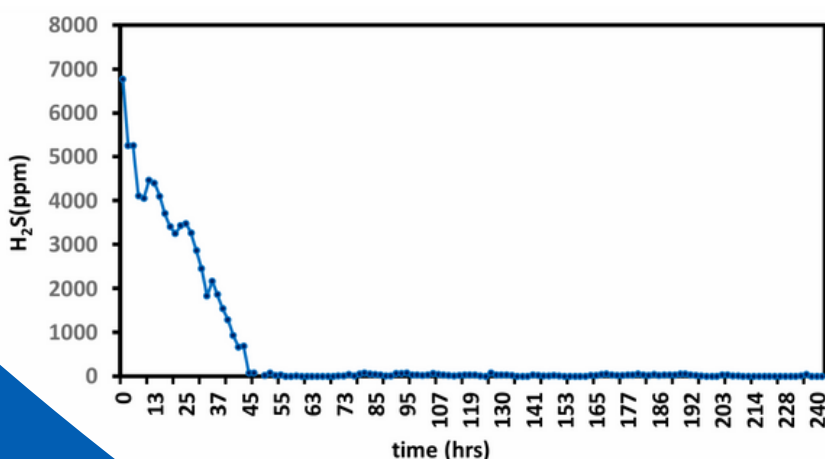
**Certified Petty Patent**  
**Patent Number 25097**

## 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 วอเตอร์เทส 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