

# KITEMIX TECHNOLOGY

## Mixing equipment for lagoons

Agitation system for covered lagoons up to 100 m long.  
Increasing the efficiency of anaerobic digestion in lagoons.  
Up-grading of anaerobic digestion systems for the use of renewable energies.

Uniform distribution of nutrients and bacteria.



Avoid floating and sinking layers.



Active support for degassing of digested sludge.



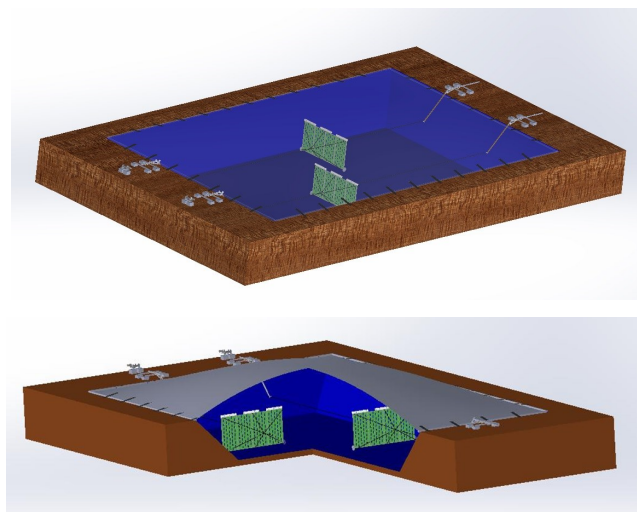
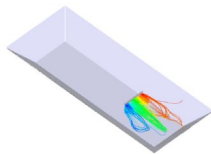
Uniform temperature distribution.



## Patent

### pending

**AD** Solutions has developed a revolutionary concept of lagoon mixing technology in anaerobic digestion processes with low energy consumption.



## TECHNICAL DATA

<b>Mixing speed</b>	Max. 0.5 m/s	Variable speed
<b>Maximum lagoon mixing length</b>	Max. 100 m	Variable according to project requirements
<b>Energy consumption</b>	3 kW @ 11,2/6,4 A	Maximum energy savings in mixing
<b>Motor data</b>	Type	Geared motor
	Frequency	50-60 Hz
	Voltage	230-400 V
	Protection	IP54
	Speed, max	1456
<b>Materials</b>	Structures	Carbon steel and stainless steel
	Mixing plate	PVC, carbon and stainless steel
<b>Application data</b>	Liquid temp. max.	50°C
	Density of liquid, max.	1100 kg/m <sup>3</sup>
	pH range of mixed liquid	5-8
	Immersion depth, max.	10 m

## AD Solutions UG

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