



Technology Description (TD) for Anaerobic Digestion Technologies

Contact Information:

TECHNOLOGY/ EQUIPMENT SUPPLIER	<i>Name of institution:</i>	ZAKŁAD USŁUG PROJEKTOWYCH I WYKONAWCZYCH OCHRONY ŚRODOWISKA MAREK BARYS		
	<i>Name of contact Person:</i>	MAREK BARYS		
	<i>Street:</i>	Brzozowa 11/23		
	<i>Town:</i>	Bydgoszcz	<i>Zip code:</i>	85-154
	<i>Country:</i>	Poland		
	<i>Phone:</i>	+48603115973		
	<i>e-mail:</i>	barysprojekt@wp.pl		
	<i>www:</i>			
	<i>Date (of filling the TD):</i>	23.11.2016		

Technology Description:

NAME OF TECHNOLOGY	Recycling of the industrial wastes with use of the fermentation methodology
ASSIGNMENT OF TECHNOLOGY	Recycling of waste products
TECHNICAL READINESS LEVEL	<p>1 2 3 4 5 6 7 8 9</p>
<p>TRL 1 - basic principles observed TRL 2 - technology concept formulated TRL 3 - experimental proof of concept TRL 4 - technology validated in lab TRL 5 - technology validated in relevant environment (industrially relevant environment in case of key enabling technologies) TRL 6 - technology demonstrated in relevant environment (industrially relevant environment in case of key enabling technologies) TRL 7 - system prototype demonstration in an operational environment TRL 8 - system completed and qualified TRL 9 - actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)</p>	



TECHNOLOGY/EQUIPMENT AVAILABILITY		
PATENT RIGHTS		NO
METHOD OF MAKING THE TECHNOLOGY AVAILABLE	<i>Licence selling</i>	YES
	<i>Licence granting</i>	YES
POSSIBLE END USERS OF TECHNOLOGY	<i>Please name end users/ contacts that should be invited to project workshops</i>	1. Zakłady Mięsne "Kier" ,Jastrzębie Pomorskie, 86-140 Drzycim. 2. FOOD SERVICE Sp. z o.o., ul. Mszczonowska 35a, 96-200 Rawa Mazowiecka

Description of the technology/equipment:

All animal-by products are fragmented and subjected to the preliminary thermal treatment, and then processed in digester chamber of the fermentation in mesophilic conditions. Biogas and agricultural fertilizer are ultimate products of these processes. In addition biogas is burnt in the factory boiler room, whereas the natural fertilizer is being used for fertilizing agricultural cultivations.