

Biogas Plant	Location	Constr. period	Input	Digester	Biogas utilisation	Features	Responsibility
Biogas plant ADIRONDACK	USA	Under construction	Dairy manure	Existing digester	Biogas upgrading system 450 m ³ /h	Extention of existing agricultural biogas plant, virtual gas pipeline (by truck), digestate heat recovery	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up, training for operator training
Biogas plant WOODCREST	USA	Under construction	Dairy manure	Steel tank 8,000 m ³	Biogas upgrading system 600 m ³ /h	Agricultural biogas plant: 1 digester 1 secondary digester with gas holder roof, mesophilic process, digestate heat recovery and dewatering system, external biological desulphurisation	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up, training for operator training
Biogasanlage Isenhagen	Germany	2022			Biogas upgrading system, CO ₂ -liquifaction		Basic evaluation, pre-, draft- and execution planning
Biogasanlage Heiligengrabe	Germany	2022	Cattle manure, chicken manure, horse manure, corn silage, grain corn, dirty water	4 x 2.286 m ³	Biogas upgrading system, injection into grid	2 fermentation sections, 2 fermenters, post-fermentation tank, gas-tight digestate storage, hydrolysis tank	Basic evaluation, pre-, draft-, approval- and execution planning
Biogas plant USA	USA	2019-2021	Straw and manure	Steel tank 6 x 8,000 m ³ + 1 concrete tank 5,000 m ³	Biogas upgrading system 4,600 m ³ /h	Industrial biogas plant: 7 digester, 2 secondary digester, thermophiloc process, dewatering, mechanical high pressure straw pretreatment	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, start-up, training for operator training

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Biogas Plant DERBY	Great Britain	2017/18	Kitchen waste solid and liquid, viscera (Cat. 2 waste), paper & cards, straw	Concrete tank 2 x 5,300 m ³	Biogas upgrading system	Industrial biogas plant for the digestion of hydrolysed waste. Thermal pressure hydrolysis process, buffer tank, cooling tank, mesophilic operation	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up, training for operators
Biogas Plant JIAOZUO	China	2016/17	Kitchen waste	Steel tank, welded 2 x 1,500 m ³	Biogas upgrading system	Biogas plant digesting organic waste: 2 digester, 1 storage tank (by client), 1 hydrolysis tank (by client), oil separation with heat recovery system	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up, training for operators
Biogas Plant WUHU	China	2016/17	Kitchen waste	Steel tank, welded 2 x 3,400 m ³	Biogas upgrading system	Biogas plant digesting organic waste: 2 digester, 1 storage tank (by client), 2 hydrolysis tanks (by client), oil separation with heat recovery system	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up, training for operators
Biogas Plant QINHUANGDAO	China	2013/14	Kitchen waste	Black steel, welded 2 x 3,400 m ³	Biogas upgrading system, biomethane used for vehicle fuel	Biogas plant digesting kitchen waste: pre-treatment, hydrocyclone, 1 hydrolysis tank, 2 digester, 1 storage tank, digestate treatment, mesophilic process, external heating and cooling	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up, training for operators
Biogas Plant DEQINGYAN	China	2012/13	Pretreated chicken manure, biowaste, corn straw, recirculating digestate	Stainless steel 2 x 2,600 m ³	Biogas upgrading system, biomethane used in households	Biogas plant digesting organic waste: 2 digester, 2 secondary digester, external gas storage, biogas upgrading and utilisation in households	Basic evaluation, pre-planning, draft planning, execution planning, tendering

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Biogas Plant VIERVERLATEN	The Netherlands	2012	Sugar beets and potato waste	Glass coated steel tanks 4 x 4,600 m ³	Biogas upgrading system, injektion into the grid	Industrial biogas plant: 4 digester, 1 secondary digester with gas holder, digestate treatment, gas cooling system, mesophilic operation, biogas upgrading system and injection into grid	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up, training for operators
Biogas Plant ANKLAM	Germany	2012	Sugar beet, vinasse	Glass coated steel tank 4 x 4,600 m ³	Biogas upgrading system, injektion into grid	Industrial biogas plant: 4 digester, 1 secondary digester, gas holder above secondary digester, digestate treatment, mesophilic operation, biogas upgrading and injection into grid	Basic evaluation, pre-, draft-, approval and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up, training for operators
Biogas Plant DINTELOORD	The Netherlands	2011	Sugar beet, vegetable waste (potato, chicoree)	Glass coated steel tanks 4 x 4,600 m ³	Biogas upgrading system, injection into grid	Industrial biogas plant: 4 digester, 1 secondary digester, digestate treatment, gas cooling system, mesophilic operation, biogas upgrading and injection into grid	Basic evaluation, consultancy services for approval planning, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling, local construction supervision, start-up, training for operators
Biogas Plant SEMD	Germany	2009/10	Corn silage	Prestressed concrete, prefabricated element tank 2,500 m ³	Biogas upgrading system, injektion into grid	Agricultural biogas plant: gas holder above digester, secondary digester and digestate storage tank, mesophilic operation, biogas upgrading and injection into grid	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling

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Biogas Plant INLAND EMPIRE	USA	2006	Manure, organic waste	Epoxy/Glass coated steel tanks 2 x 4,500 m ³	Feeding into gas distribution system	Industrial biogas plant: 2 digester, storage tank, feeding into gas distribution system (20,000 m ³ /d)	Basic evaluation, pre-, draft- and execution planning, start-up, consultancy service on site