

Biogas Plant	Location	Constr. period	Input	Digester	Biogas utilisation	Features	Responsibility
Biomethan plant BIOFERM WHISKEY	USA	2023 - 2024	Distillery Stillage	Existing digester	Biogas upgrading system 5.300 Nm³/h	Industrial biogas plant: three digester tanks, three secondary digester tanks, one buffer tank, cooling system for stillage, gas holder above secondary digester tanks, mesophile and thermophile operation	Basic Evalution, Pre-, Draft- Approval- Excecution-Planning, Preparation of tendering/ awardess, Process management, monitoring, start-up, operator service
Biomethan plant BIOERDGAS ISENHAGEN	Germany	2023 - 2024	Energy plants, chicken and cattle dung	Existing digester	Biogas upgrading system, 1400 Nm³/h CO2-liquifaction	Extention of existing biogas plant, Virtual gas pipeline (by truck), heating recovery from digestate,	Basic evaluation, pre-, draft- and execution planning
Biomethan plant HEILIGENGRABE	Germany	2023 - 2024	Cattle manure, chicken manure, horse manure, corn silage, grain corn, dirty water	Existing digester	Biogas upgrading system, 905 Nm³/h 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
Biomethan plant ADIRONDACK	USA	2023 - 2024	Dairy manure	Existing digester	Biogas upgrading system 450 m³/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
Biomethan plant WOODCREST	USA	2023 - 2024	Dairy manure	Existing digester	Biogas upgrading system 600 m³/h	Extention of existing agricultural biogas plant, 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



Page 2 of 4

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Biomethan plant USA	USA	2019- 2021	Straw and manure	Steel tank 6 x 8,000 m³ + 1 concrete tank 5,000 m³	Biogas upgrading system 4,600 m³/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
Biomethan plant DERBY	Great Britain	2017 - 2018	Kitchen waste solid and liquid, viscera (Cat. 2 waste), paper & cards, straw	Concrete tank 2 x 5,300 m ³	Biogas upgrading system 1,200 m³/h	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 - 2017	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 - 2017	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 - 2014	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

Reference list RNG



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Biogas Plant DEQINGYAN	China	USA	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	
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

Reference list RNG



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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
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 m³/d)	Basic evaluation, pre-, draft- and execution planning, start-up, consultancy service on site