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Biogas Plant	Location	Year	Input	Digester	Co-generator	Features	Responsibility
Biomethan plant Im BRAHM	Germany	2024	Food waste, horse manure	Stock 2 x 1,200 m³ flat concrete digesters	Biogas upgrading system: 200 Nm³/h	2 digesters, 2 secondary digesters, 4 CHPs, digestate separator, extension: biogas upgrading plant (membrane) with heat recovery	Design planning, approval and implementation planning, tendering, participation in the awarding of contracts, support of site management, support of commissioning
Biomethan plant MEßSTETTEN	Germany	2022-2024	Municipal organic waste with green cuttings		Biogas upgrading system 500 m³/h	Municipal organic waste digestion plant (BAV) including biogas upgrading, CO2 liquefaction. Storage tank for liquid digestate, biofilter, digestate storage with gas storage roof, compost hall, regenerative thermal oxidation.	Basic evaluation, preliminary, draft, approval, and implementation planning
Biogas Plant KAWAGOE	Japan	2019/20	Kitchen waste	Glas coated steel tank 2 x 1,700 m³	Gas engine 3 x 360 kWel	Industrial biogas plant: 1 digester, 1 secondary digeste, mesophilic process	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 HUNTSTOWN	Ireland	2018/19	Thermal pressurised brown bin and food waste	Steel tank 4 x 4,650 m	Gas engine 2 x 2,4 MWel	Industrial biogas plant: 4 digester, 2 secondary digester, external gas holder, specials Grit removal, input material cooling, 2 buffer tanks	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 DERBY	Great Britain	2017/18	Kitchen waste solid and liquid, viscera (Cat. 2 waste), paper & cards, straw	Concrete tank 2 x 5,300 m³	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 FUKUOKA	Japan	2016/17	Kitchen waste, industrial waste	Enameled steel tank 2 x 5,000 m³	Gas engine 2 x 1,056 kWel	Biogas plant digesting organic waste: 2 digester, 1 secondary digester with gas holder roof, 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 WUHU	China	2016/17	Kitchen waste	Steel tank, welded 2 x 3,400 m³	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 CHIBA AGRI	Japan	2016	kitchen waste, pig manure	Enameled steel tank 2 x 1,900 m³	Gas engine 2 x 250 kWel	Biogas plant digesting organic waste: 2 digester, 1 secondary digester with gas holder roof, mesophilic operation	Basic evalution, pre- and draft planning
Biogas Plant CAN KARNEYAMA	Japan	2016	kitchen waste, cattle manure	Enameled steel tank 3,900 m³	Gas engine 2 x 360 kWel	Biogas plant digesting organic waste: 1 digester, 1 secondary digester with gas holder roof, mesophilic operation	Basic evalution, pre- and draft planning

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Biogas Plant	Location	Year	Input	Digester	Co-generator	Features	Responsibility
Digestion plant BACKNANG	Germany	2016	Separately collected household waste	Horizontal digester 2 x 1,600 m³; Kompogas process	Gas engine 2 x 800 kWel	Damage report on reduced biogas production caused by high ammonia concentration	Expert report
Biogas Plant HENGSHUI	China	2016	Destillers grain, yellow straw, vegetable waste, cow manure	Enameled steel tank 18 x 6,600 m³		Biogas plant digesting organic waste: 4 reception pits, 6 buffer tanks, 2 hydrolysis tanks, 18 digester, 7 secondary digester with gas holder roof, thermophilic operation	Basic evalution, pre planning
Biogas Plant HONSHU	Japan	2016	Kitchen waste, industrial waste	Enameled steel tank 2 x 5,000 m³	Gas engine 4 x 500 kWel	Biogas plant digesting organic waste: 2 digester, 1 secondary digester with gas holder roof, mesophilic operation, separation and dryingsystem for digestate	Basic evalution, pre- and draft planning
Biogas Plant MCDONNELL (Expansion)	Ireland	2014/15	Kitchen waste, animal by-products (ABP), cattle slurry, poultry manure, corn silage	Concrete tank 3,200 m³	Gas engine 250 kWel (existing on site)	Expansion of a biogas plant digesting food waste by 1 digester, gas desulphurisation, pump room and equipment	Basic evaluation, pre-, draft and execution planning, additional consulting services
Biogas Plant IM BRAHM II (Expansion)	Germany	2014	Kitchen waste, pig manure	Concrete tank 2 x 1,200 m³	Gas engine 4 x 190 kWel	Expansion of a biogas plant by 1 storage tank and 1 co-generator	Pre-planning, approval and execution planning, consultancy services, supervision of construction, training for operators
Biogas Plant DAISEN	Japan	2013/14	Pig manure, fats, sewage sludge, industrial kitchen waste	Glas coated steel tank 5,000 m³	Gas engine 2 x 370 kWel	Biogas plant digesting kitchen waste: 1 digester , 1 secondary digester with gas holder roof, expansion of an existing biogas plant, 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 QINHUANGDAO	China	2013/14	Kitchen waste	Black steel, welded 2 x 3,400 m³	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 SHINKO	Japan	2013	Kitchen waste, industrial waste	Digester 5,000 m³	Gas engine 1, 864 kWel	On site technical support of a waste digestion plant in Japan	Technical support and expert report
Biogas Plant DEQINGYAN	China	2012/13	Pretreated chicken manure, bio-waste, corn straw, recirculating digestate	Stainless steel 2 x 2,600 m³	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, tenderingBasic evaluation, pre-, draft- and execution planning, tendering
Biogas Plant TONGZHOU	China	2012/13	Organic kitchen- and municipal waste, black water	Glas coated steel tanks 4 x 3,100 m³	Gas conditioning, utilisation of biogas in households	Biogas plant digesting organic waste: pre-treatment, 4 digester, digestate storage, external gas holder, biogas upgrading and utilization in households	Basic evaluation, pre-planning

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Biogas Plant	Location	Year	Input	Digester	Co-generator	Features	Responsibility
Biogas Plant HARBIN	China	2012	Biowaste, Straw	Boxes, 12 x 425 m³	Box dry fermentation, mesophilic	PSA purification equipment	Technical support and consultancy
Biogas Plant SOUTHERN GERMANY	Germany	2012	Biowaste	Concrete tanks 3 x 7,500 m³ (existing on site)	Existing on site	Pre-treatment and pasteurisation of biowaste for digestion in existing digesters of a WWTP.	Basic evaluation, pre-planning
Biogas Plant HELSINKI	Finland	2011/12	Biowaste, household and industrial kitchen waste	Glas coated steel tanks 2 x 2,700 m³	Existing on site	Biogas plant digesting organic waste: 2 hydrolysis tanks, 2 digester, 1 secondary digester, mesophilic operation, (optional: digestate drying plant)	Basic evaluation, pre-, draft-, approval and execution planning, tendering
Biogas Plant WALLRAPP (Expansion)	Germany	2011	Pig manure, expired foodstuff (food, bread)	Lipp-Digester 1,100 m³	Dual fuel co-generator 100 kWel Gas engine 185 kWel	Expansion of a biogas plant for digesting food waste by 1 secondary digester	Basic evaluation, pre-, draft-, approval and execution planning, additional consulting services
Biogas Plant IM BRAHM (Expansion)	Germany	2010	Pig manure, horse manure, kitchen waste	Concrete tank 1,200 m³	Gas engine 3 x 190 kWel	Expansion of a biogas plant by co-generator, digester and storage tank	Basic evaluation, pre-, draft-, approval and execution planning, tendering, participating in contract awarding process, site management/project controlling
Biogas Plant SCHWABEN	Germany	2010	Biowaste, cuttings	Concrete tank 2,700 m³	Gas engine 526 kWel	Biogas plant digesting organic waste: dry digestion, horizontal digester, sand removal, mesophilic operation	Basic evaluation, pre-planning
Biogas Plant EARTH RENU	Canada	2010	Kitchen waste, fats, glycerin	Glas coated steel tanks 2 x 5,000 m³	Biogas upgrading system	Industrial biogas plant: 2 digester, 1 secondary digester, pasteurisation	Basic evaluation, pre-planning
Biogas Plant IFFEZHEIM	Germany	2010	Biowaste	Concrete tank 10 x 600 m³ (garage type)	Gas engine 2 x 600 kWel	Expansion of composting plant by a dry digestion plant.	Basic evaluation, pre-planning
Biogas Plant PETERBOROUGH	Great Britain	2009	Kitchen waste, canteen waste, expired food products	Glas coated steel tank 2,800 m³	Gas engine 800 kWel	Biogas plant digesting organic waste: biowaste treatment, 1 hydrolysis tank, 1 digester, pasteurisation, biofilter, mesophilic operation	Basic evaluation, pre-planning
Biogas Plant LISTOWEL	Canada	2009	Kitchen waste, market waste, manure, other organic waste	Glas coated steel tanks 2 x 5,000 m³	Biogas upgrading system, injektion into grid	Industrial biogas plant: 2 digester, 1 secondary digester, 1 storage tank, mesophilic operation	Basic evaluation, pre-planning
Biogas Plant MCDONNELL (Expansion)	Ireland	2014/15	Kitchen waste, animal by-products (ABP), cattle slurry, poultry manure, corn silage	Concrete tank 3,200 m³	Gas engine 250 kWel (existing on site)	Expansion of a biogas plant digesting food waste by 1 digester, gas desulphurisation, pump room and equipment	Basic evaluation, pre-, draft and execution planning, additional consulting services
Biogas Plant SEATTLE	USA	2008	Biowaste	Enamelded steel tank 4,900 m³	Gas engine 2 x 536 kWel	Biogas plant digesting organic waste: biowaste treatment system, 1 hydrolysis tank, 1 digester, 1 secondary digester, mesophilic operation	Basic evaluation, pre-planning

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Biogas Plant	Location	Year	Input	Digester	Co-generator	Features	Responsibility
Biogas Plant VATTENFALL	Germany	2008	Green waste	Box fermenter, 1.000 m³	Gas-Otto-Motor 500 kW_{el}	Biogas plant digesting green waste by dry fermentation	System comparison
Biogas Plant PORTA (Expansion)	Spain	2007	Pig manure, food waste	Concrete tank 1,400 m³	Gas engine 2 x 191 kWel	Expansion of a biogas plant digesting food waste by co-generator and gas cooling	Basic evaluation, pre-, draft- and execution planning, additional consulting services
Biogas Plant GÖTTINGEN	Germany	2007	Percolate of biowaste compost	Concrete tank 1,900 m³	Gas engine 254 kWel	Integration of a biogas plant in an existing compost plant incl. heat utilisation	Basic evaluation, pre-, draft-, approval and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up, consultancy
Biogas Plant NOYON	France	2007	Sewage sludge, fats, food residuals, process water	Glas coated steel tank 3,500 m³	Gas engine 716 kWel	Industrial biogas plant: 1 digester, 1 secondary digester with gas holder, digestate treatment with separation and drying of solid phase, mesophilic operation, heat utilisation	Basic evaluation, pre-, draft-, approval and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up
Biogas Plant DUBLIN	Ireland	2007	Kitchen- and garden waste, food waste, sewage water	Glas coated steel tank 4,600 m³	Gas engine 2 x 500 kWel	Biogas plant digesting organic waste: biowaste treatment system, 1 hydrolysis tank, 1 digester, 1 secondary digester, pasteurisation	Basic evaluation, pre-planning
Biogas Plant PORTA	Spain	2006	Pig manure, food waste	Concrete tank 1,400 m³	Gas engine 191 kWel	First agricultural biogas plant in Spain	Basic evaluation, pre-, draft- and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up
Biogas Plant IM BRAHM	Germany	2004/5	Pig manure, kitchen waste, horse manure	Concrete tank 1,200 m³	Dual fuel co-generator 2 x 190 kWel	Biogas plant digesting organic waste: 1 digester, 1 secondary digester, mesophilic operation, heat utilisation (pasteurisation kitchen waste, heating of buildings)	Basic evaluation, pre-, draft-, approval and execution planning, tendering, participating in contract awarding process, site management/project controlling, start-up
Biogas Plant KOGEL	Germany	2004	Kitchen waste, canteen waste, packaged food	Concrete tank 2 x 2,800 m³	Gas engine 1 MWel	Biogas plant digesting organic waste: 2 digester, 1 secondary digester, 2 storage tanks	Basic evaluation, pre-planning
Biogas Plant GROSS MUEHLINGEN (Expansion)	Germany	2003	Manure, organic waste	Steel tanks, 2 x 750 m³	Gas engine, 730 kWel	Expansion of an existing biogas plant by pasteurisation, storage tanks, hydrolysis tank, process control system for the whole plant	Basic evaluation, pre-, draft- and approval planning, additional consulting services
Biogas Plant PAJU	Korea	2002	Manure and kitchen waste		Gas engines, 470 kWel	Work on a consultative capacity for a general contractor for the assessment of a co-fermentation biogas plant	Consultancy on the expansion of an existing biogas plant, preparation of a study
Biogas Plant HEILIGENKREUZ	Austria	2002	Manure, fats, corn, glycerin, kitchen waste, grass, concentrate of fruits, waste of bakeries	Concrete tank, 1,100 m³	Gas engines, 511 kWel	Biogas plant for digesting organic waste: 1 hydrolysis tank, 1 digester, 1 secondary digester, heat utilisation in the village	Basic evaluation, pre-, draft-, approval and execution planning of main components, measurement and process technology, start-up
Biogas Plant BERLIN-MARIENFELDE	Germany	1999-2000	Kitchen waste, fats, depackaged food	Stainless steel tanks 4 x 60 m³	Gas engine, 2 x 90 kWel	Biogas plant digesting organic waste: 1 digester, 1 secondary digester	Basic evaluation, pre-, draft and execution planning for buffer- and hydrolysis tank, digesters

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Biogas Plant	Location	Year	Input	Digester	Co-generator	Features	Responsibility
Biogas Plant BRAUNSCHWEIG	Germany	1997 - 1999	Municipal biological waste (OFMSW)	2 x 1.600 m³ horizontal digesters	Gas sale	Biogas plant digesting organic waste: Dry fermentation, Kompogas process	Process engineering for pretreatment system and digestion system, detailed engineering, optimisation, operation of plant, commissioning. Process development and implementation of sand removal.
Biogas Plant EITTING	Germany	1997 - 1999	Municipal biological waste (OFMSW)	2 x 1.600 m³ horizontal digesters	Gas sale	Dry fermentation; Kompogas process	Optimisation and commissioning.
Small digestion Plant W&A	Germany	1997-1999	Black water, kitchen waste	6 m³	Gas oven	Biogas plant digesting organic waste (blackwater of several houses, vacuum toilets, kitchen waste) by one 6 m³ digester, modular system	Basic evaluation, pre-, draft- and execution planning incl. pre-fabrication and final assembly, site management/project controlling, start-up (for TBW GmbH)
Digestion Plant BEG BIOENERGIE GMBH	Germany	1997/ 1998	Biowaste, separately collected in households, sewage sludge	Steel tanks, 3 x 350 m³		Biogas plant digesting organic waste: IMK-process, two-stage with aerobic hydrolysis, sedimentation tank, external gas storage tank	Basic evaluation, pre-, draft- and execution planning for digesters, sedimentation tank, gas holder, process optimisation after start-up
Biogas Plant GAERTEC	Germany	1997	Kitchen waste, organic industrial residues	Steel tank, 150 m³	Dual fuel co-generator, 27 kWel	Biogas plant digesting organic waste: Pilot plant, Freese system	Basic evaluation, pre-, draft- and execution planning, tendering and construction of digester
Biogas Plant BARZ	Germany	1996-1998	Manure, kitchen waste	Concrete tanks, 20 m³ and 250 m³	Dual fuel co-generator, 45 kWel	Biogas plant digesting organic waste: 2 digester, pasteurisation	Basic evaluation, pre-, draft-, approval and execution planning, site management/project controlling, start-up (for TBW GmbH)
Biogas Plant PREUSSAG - NOELL AG	Germany	1995 - 1997	Municipal biological waste (OFMSW), market wastes		Anaergie process - Vertical 2-stage digester	Dry and wet fermentation	Process design and process optimisation, start up, operation of pilot plant, research.
Biogas Plant RoRo-ENERGIE	Germany	1996-1998	Biowaste, separately collected in households, residues from breweries	Concrete tank, 1,000 m³	Dual fuel co-generators, 2 x 95 kWel	Biogas plant digesting organic waste: pre-treatment for all input substrates, pasteurisation, 1 central located digester, 1 storage tank, other digester decentralized	Basic evaluation, pre-, draft-, approval and execution planning (for TBW GmbH)
Biogas Plant BLUEMEL (Kompostbetrieb)	Germany	1994/ 1995	Biowaste, separately collected in households	Concrete tanks, 2 x 800 m³	Dual fuel go-generators, 2 x 160 kWel	Biogas plant digesting organic waste: 2 digester	Basic evaluation, pre-, draft-, approval and execution planning, site management/project controlling, start-up (for TBW GmbH)
Digestion Plant Technical University of HAMBURG-HARBURG	Germany	1993/ 1994	Biowaste, separately collected in households	Steel tank, 100 m³		Pilot biogas plant: 1 digester, ATF-dry fermentation	Basic evaluation, pre-, draft-, approval and execution planning, site management/project controlling, start-up (for TBW GmbH)
Biogas Plant SCHLÖTTER	Germany	1992/ 1993	Manure, other organic waste	Glass fiber tank, 100 m³	Dual fuel co-generator, 27 kWel	Biogas plant digesting organic waste: 1 digester, Baader system, gas holder above 400 m³ manure storage tank	Pre-, draft-, approval and execution planning, site management/project controlling, start-up
Biogas Plant v. BODELSCHWING'SCHE ANSTALTEN	Germany	1991	Manure, kitchen waste	Steel tank, 100 m³	Dual fuel co-generator, 27 kWel	Biogas plant digesting organic waste: 1 digester, gas bag	Assembly of tubes, pumps, mixers, heating and gas systems