

EXHAUST AIR TREATMENT

Reference list



UGN
UMWELTECHNIK



Location..... 63801 Kleinostheim (Germany)

Application..... Construction of an exhaust air filter as a pilot plant

Solution..... Pipe hybrid filter DN 400 standing

Flow rate..... 15 m³/h

Operation..... 2023 (Project 2023_013)



Location..... 04347 Leipzig (Germany)

Application..... Cleaning the exhaust air from the mixing chamber of a research biogas plant

Solution..... UGN® hybrid filter module XL

Flow rate..... 300 m³/h
max. 100 ppm

Operation..... 2023 (Project 2023_012)



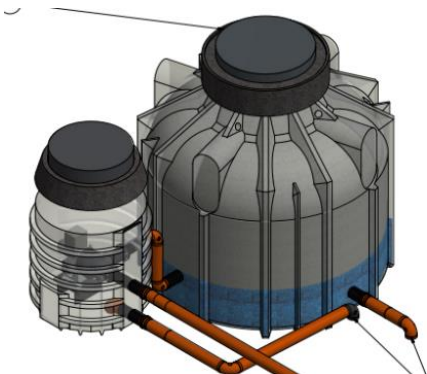
Location..... 01219 Dresden (Germany)

Application..... Construction of fan skids for an exhaust air system

Solution..... Fan skid with 2 plastic radial fans, 1700 Nm³/h, 1000 Pa

Flow rate..... Fan skid with 2 plastic radial fans, 2700 Nm³/h, 1510 Pa

Operation..... 2023 (Project 2023_009)



Location..... 15345 Altlandsberg (Germany)

Application..... Extraction of odor-contaminated air from a pressure pipeline terminal shaft

Solution..... UGN®- Hybridfilter-Modulsystem XL

Flow rate..... 150 m³/h
max. 500 ppm

Operation..... 2023 (Project 2023_008)

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Location..... 99830 Treffurt (Germany)

Application..... Creation of flow diagrams in the current state, measurement report, concept for improving the supply/exhaust air situation with regard to workplace exposure limits

Solution..... Enclosure of production lines with carrier frames made of rail system with plastic cladding with the aim of source capture

Flow rate..... 5.500 m³/h

Operation..... 2024 (Project 2023_001)



Location..... 11480 Potsdam (Germany)

Application..... Servicing and upgrading of exhaust air filter system pumping station

Solution..... Installation of a new ventilator, removal of conventional biofilter media, Installation

Flow rate..... 150 m³/h

Operation..... 2022 (Project 2022_010W)



Location..... 86316 Friedberg (Germany)

Application..... Elimination of unpleasant odors at a vacuum pumping station

Solution..... Installation grating and UgnCleanPellets S1.0 in existing exhaust duct

Flow rate..... 200 m³/h

Operation..... 2022 (Project 2022_008)



Location..... 07318 Saalfeld (Germany)

Application..... Supply air system with heating register, fan and filter as well as plastic duct, installed in the outside area

Solution..... Supply air unit with control cabinet

Flow rate..... 3000 m³/h

Operation..... 2022 (Project 2022_005)

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Location.....Alexandria (Egypt)

Application.....Exhaust air treatment system for reduction of odors from a sewage pumping station in Alexandria

Solution.....Hybride filter – module type M

Flow rate..... 15 m³/h

Operation..... 2023 (Project 2022_004)



Location.....06636 Burgscheidungen (Germany)

Application.....Installation of a hybride filter for the Treatment of the exhaust air from the pumping station

Solution.....Hybride filter – module type XXL

Flow rate..... 1000 m³/h

Operation..... 2023 (Project 2022_002)



Location.....93413 Cham (Germany)

Application.....Exhaust air cleaning system for industrial process

Solution.....Scrubber including droplet separator, water neutralization, fan and control cabinet

Flow rate..... 7000 m³/h

Operation..... 2022 (Project 2021_011)



Location.....07570 Wünschendorf (Germany)

Application.....Modification of an exhaust air system

Solution.....Installation of new pipelines made of plastic material

Flow rate..... /

Operation..... 2021 (Project 2021_008)

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Location.....14547 Beelitz (Germany)
Application..... Installation of hybride filter for the treatment of exhaust air from the faecal sludge storage facility
Solution.....Hybride filter – module type L Jumbo
Flow rate..... 200 m³/h
Operation..... 2022 (Project 2021_007)



Location.....14547 Beelitz (Germany)
Application..... Exhaust air treatment system for waste water screen and aerated sand trap
Solution.....Hybride filter – module type XXL
Flow rate..... 700 m³/h
Operation..... 2022 (Project 2021_006)



Location.....06618 Naumburg (Germany)
Application..... Modification of the screening system with the renewal of the intake structure, installation of a biofilter
Solution.....Biofilter - module BFMS incl. Humidifier unit
Flow rate..... 4000 m³/h
Operation..... 2021 (Project 2021_005)



Location.....06618 Naumburg (Germany)
Application..... Exhaust air cleaning at a inlet pumping station at waste water treatment plant
Solution.....Hybride filter – module type eco 1000-ERM
Flow rate..... 60 m³/h
Operation..... 2021 (Project 2021_005)

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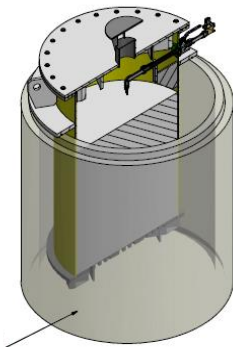
Reference list



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Location.....04575 Neukieritzsch (Germany)
Application.....Industrial exhaust air cleaning for soil remediation plant
Solution.....Replacement of 8 activated carbon filters made of PPs
Flow rate..... 5000-10000 m³/h;
Operation..... 2020 (Project 2020_024)



Location.....85774 Unterföhring (Germany)
Application.....Exhaust air purification in existing shaft construction
Solution.....Hanging filter cartridge
Flow rate..... 100 m³/h
Operation..... 2020 (Project 2020_009)



Location.....Schönefeld OT Waltersdorf (Germany)
Application.....Exhaust air treatment at wastewater treatment plant
Solution.....Hybride filter – module type eco 1000-ERM
Flow rate..... 75 m³/h
Operation..... 2020 (Project 2020_008)



Location.....09111 Chemnitz (Germany)
Application.....Maintenance at wet scrubber system including cleaning of plastic packing
Solution.....
Flow rate.....
Operation..... 2019 (Project 2019_021W)

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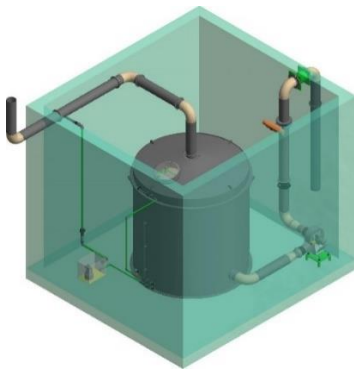
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Location.....31137 Hildesheim (Germany)
Application.....Concept for upgrading the exhaust air filter system at the sludge thickeners, replacement exhaust air filter system
Solution.....Hybride filter – module type XXL
Flow rate..... 1000 m³/h
Operation..... 2022 (Project 2019_019)



Location.....14641 Wustermark OT Elstal (Germany)
Application.....Treatment of Hydrogen Sulphide laden waste air from an underground sewage pumping station
Solution.....Hybrid filter-module XXL with condensate lifting system
Flow rate..... 1.000 m³/h
100 ppm H₂S
Operation..... 2019 (Project 2018_022)



Location.....21745 Hemmoor (Germany)
Application.....Odour removal system at a sewage pumping station
Solution.....Hybrid filter-module XL
Flow rate..... 300 m³/h
50 ppm H₂S
Operation..... 2019 (Project 2018_047)



Location.....21729 Freiburg (Elbe) (Germany)
Application.....Exhaust air treatment at wastewater treatment plant
Solution.....Hybrid filter-module XLJ
Flow rate..... 800 m³/h
10 ppm H₂S
Operation..... 2019 (Project 2018_054)

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Location.....08393 Oberschindmaas (Germany)

Application.....Exhaust air treatment at an hydrolysis tank on a biogas plant

Solution.....Hybrid filter-module XL

Flow rate..... 200 m³/h

Operation..... 2018 (Project 2018_011)

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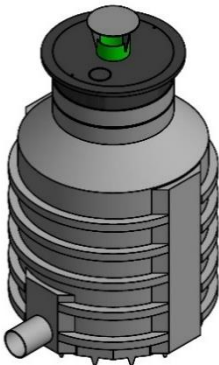
Location.....23970 Hornstorf (Germany)

Application.....Exhaust air treatment at wastewater treatment plant

Solution.....Hybrid filter-module L

Flow rate..... 60 m³/h
200 ppm H₂S

Operation..... 2018 (Project 2017_019)



Location.....01099 Dresden (Germany)

Application.....Odour removal system at a sewage pumping station

Solution.....Hybrid filter-module eco 1000-ERM

Flow rate..... 50 m³/h

Operation..... 2018 (Project 2018_016)



Location.....09235 Burkhardtsdorf (Germany)

Application.....Odour removal on wastewater screen building at wastewater treatment plant

Solution.....Hybrid filter-module XLE

Flow rate..... 200 m³/h
500 ppm H₂S

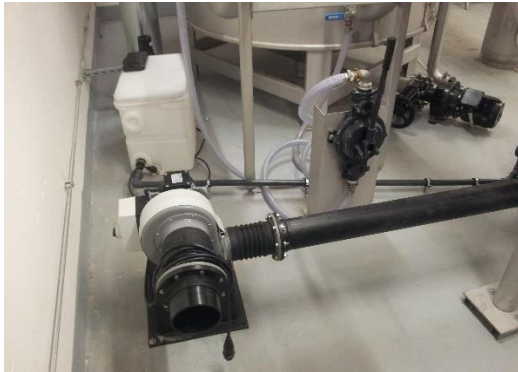
Operation..... 2018 (Project 2017_038)

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Location.....60265 Frankfurt am Main (Germany)
Application.....Odour removal at grease separator and
sewage water lifting system in bank building
Solution.....Hybrid filter-module L
Flow rate..... 100 m³/h
100 ppm H₂S
Operation..... 2017 (Project 2014_033)



Location.....28832 Achim (Germany)
Application.....Treatment of Hydrogen Sulphide laden
waste air from an underground sewage
pumping station
Solution.....Hybrid filter-module LJ
Flow rate..... 150 m³/h
50 ppm H₂S
Operation..... 2017 (Project 2017_007)



Location.....14542 Werder (Germany)
Application.....Improvement of exhaust air purification at
the sewage treatment plant
Solution.....Hybrid surface filter with UgnCleanPellets®
Flow rate..... 5.000 m³/h
50 ppm H₂S
Operation..... 2017 (Project 2016_043)



Location.....17235 Neustrelitz (Germany)
Application.....Odour removal on wastewater screen
building at wastewater treatment plant
Solution.....Hybrid filter-module XLJ
Flow rate..... 400 m³/h
max. 1.000 ppm H₂S
Operation..... 2017 (Project 2012_030)

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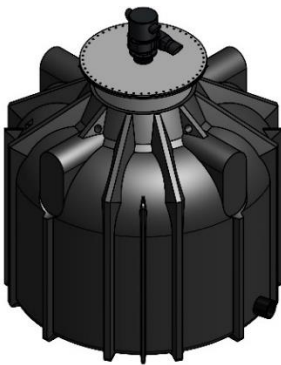
Location..... 99198 Hayn (Germany)

Application..... Exhaust air treatment at sewage water plant

Solution..... Hybrid filter-module XL

Flow rate..... 200 m³/h
50 ppm H₂S

Operation..... 2017 (Project 2017_037)



Location..... 36433 Möhra (Germany)

Application..... Odour removal at a wastewater pumping station

Solution..... Hybrid filter-module XLJ oasis 6000

Flow rate..... 200 m³/h
150 ppm H₂S

Operation..... 2016 (Project 2013_044)



Location..... 73770 Denkendorf (Germany)

Application..... Exhaust air purification at a pilot plant for textile fiber finishing

Solution..... Hybrid filter-module BEKOM H 5.0

Flow rate..... 60 m³/h
20.000 ppm H₂S

Operation..... 2016 (Project 2015_034)

No picture available

Location..... 32049 Herford (Germany)

Application..... Exhaust air purification at a sewage water plant in a textile factory

Solution..... Hybrid filter-module L

Flow rate..... 100 m³/h

Operation..... 2015 (Project 2015_041)

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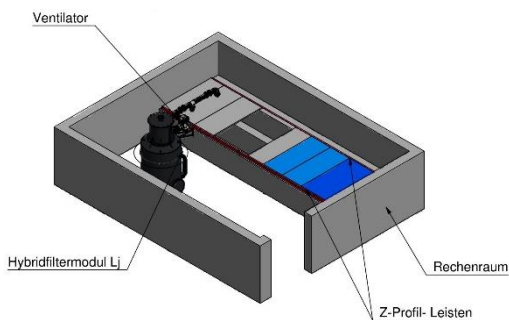
Location.....73337 Bad Überkingen (Germany)

Application.....Exhaust air purification at a sewage water plant in a beverage bottling plant

Solution.....Hybrid filter-module XL

Flow rate..... 500 m³/h
60 ppm H₂S

Operation..... 2015 (Project 2014_031)



Location.....39343 Hillersleben (Germany)

Application.....Odour removal on wastewater screen building at wastewater treatment plant

Solution.....Hybrid filter-module LJ

Flow rate..... 100 m³/h
100 ppm H₂S

Operation..... 2015 (Project 2010_088)



Location.....04924 Bad Liebenwerda OT Zeischa

Application.....Odour removal at a wastewater pumping station

Solution.....Hybrid filter-module XL + AK800

Flow rate..... 300 m³/h
290 ppm H₂S

Operation..... 2014 (Project 2010_027)



Location.....14548 Ferch am Schwielowsee (Germany)

Application.....Odour removal at a wastewater pumping station

Solution.....Hybrid filter-module XLJ + AK800

Flow rate..... 300 m³/h
500 ppm H₂S

Operation..... 2014 (Project 2013_034)

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Location.....39340 Haldensleben (Germany)
Application.....Odour removal on wastewater screen building at wastewater treatment plant
Solution.....Hybrid filter-module L
Flow rate..... 300 m³/h
100 ppm H₂S
Operation..... 2014 (Project 2014_014)



Location.....60486 Frankfurt am Main (Germany)
Application.....Odour removal at grease separator and sewage water lifting system in bank building
Solution.....Hybrid filter-module L
Flow rate..... 100 m³/h
200 ppm H₂S
Operation..... 2014 (Project 2013_065)



Location.....14542 Werder OT Glindow (Germany)
Application.....Odour removal at a wastewater pumping station
Solution.....Hybrid filter-module J oasis 6000, completely underground installation
Flow rate..... 200 m³/h
1.000 ppm H₂S
Operation..... 2013 (Project 2013_019)



Location.....19055 Schwerin (Germany)
Application.....Treatment of Hydrogen Sulfide laden waste air from a manhole downstream of a sewer force main
Solution.....Hybrid filter-module XXL + AK 800
Flow rate..... 500 m³/h
Operation..... 2013

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Location.....39240 Gottesgnaden (Germany)

Application.....Treatment of Hydrogen Sulfide laden waste air from a sewage pumping station

Solution.....Hybrid-filer module XXL with activated carbon – module

Flow rate..... 250 m³/h

Operation..... 2013



Location.....02763 Zittau (Germany)

Application..... Retrofit of a open bed biofilter treating screening chamber waste air

Solution..... Retrofit of a open bed biofilter treating screening chamber waste air

Flow rate..... 2.500 m³/h

Operation..... 2013 (Project 2012_068)



Location.....07570 Wünschendorf (Germany)

Application..... Treatment of waste air from a food recycling plant

Solution..... Open bed biofilter with upstream humidifier

Flow rate..... 30.000 m³/h

Operation..... 2013



Location.....08340 Schwarzenberg (Germany)

Application..... Waste air treatment for a sewage treatment plant

Solution..... Hybrid filter-module XLJ

Flow rate..... 500 m³/h

Operation..... 2013

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Location.....08340 Schwarzenberg (Germany)
Application.....Sludge thickener waste air treatment
Solution.....Hybrid filter-module XLJ
Flow rate..... 500 m³/h
Operation..... 2013

No Picture available

Location.....06886 Zahna (Germany)
Application..... Exhaust air purification at a sewage pumping station
Solution.....Hybrid filter-module clearoline 2000
Flow rate..... 200 m³/h
Operation..... 2012 (Project 2011_072)



Location.....04626 Schmöln (Germany)
Application..... Treatment of hydrogen sulfide and ammonia laden waste air from a wastewater treatment plant
Solution.....4 Hybrid filter-modules XXL
Flow rate..... 1.000 m³/h pro Filtermodul
Operation..... 2012



Location.....66450 Bexbach (Germany)
Application..... VOC-containing waste gas from a grass-plastics-pelletizing plant
Solution.....6 Hybrid filter-modules XL-oasis with downstream humidifier
Flow rate..... 3.000 – 4.500 m³/h
Operation..... 2011(Project 2011_030)

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Location.....07554 Brahmenau (Germany)
Application.....Exhaust air purification at an sewage water screen plant
Solution.....Hybrid filter-module LJ
Flow rate..... 500 m³/h
50 ppm H₂S
Operation..... 2011 (Project 2011_060)



Location.....04932 Haida (Germany)
Application.....Exhaust air purification at a pneumatic sewage water pumping station
Solution.....Hybrid filter-module XLJ + AK800
Flow rate..... 200 m³/h
150 ppm H₂S
Operation..... 2011 (Projekt 2010_062)



Location.....99765 Uthleben (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a manhole downstream a force main.
Solution.....Man hole filter DN 800
Flow rate..... 25 m³/h
Operation..... 2011



Location.....03222 Lehde (Germany)
Application.....Treatment of loads of sulfide, dimethyl sulfide and -disulfide as well as biologically non-degradable VOCs and malodors from a pumping station
Solution.....Hybrid filter module L Jumbo with downstream activated carbon - module
Flow rate..... 60 m³/h
Operation..... 2008 / Extension 2011

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Location.....21762 Otterndorf (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a manhole downstream a force main.
Solution.....2 Hybrid filter modules XL
Flow rate..... 1.500 m³/h
Operation..... 2010



Location..... 14480 Potsdam (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pumping station
Solution.....Hybrid filter cartridge DN 600
Flow rate..... max. 30 m³/h
Operation..... 2010



Location.....30419 Hannover (Germany)
Application.....Hybrid pipe-filter DN 400
Solution.....Hybrid pipe-filter DN 400
Flow rate..... 20 m³/h
Operation..... 2010



Location.....15711 Königs Wusterhausen (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a poultry processing plant
Solution.....Wet scrubber
Flow rate..... 30.000 m³/h Abluft
Operation..... 2010

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UGN
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Location.....07138 Saalfeld-Köditz (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from sludge dewatering
Solution.....Hybrid filter module XL
Flow rate..... 600 m³/h
Operation..... 2003 / modification 2010



Location.....01139 Dresden-Kaditz (Germany)
Application.....Removal of H₂S and odours coming from centrate basin at sludge handling plant
Solution.....Hybrid filter module XL
Flow rate..... 350 m³/h
Operation..... 2009



Location.....09514 Lippersdorf (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a vacuum - pumping station
Solution.....Hybrid filter module M
Flow rate..... max. 150 m³/h
Operation..... 2009



Location.....06217 Merseburg-Süd (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pumping station
Solution.....Hybrid filter module L
Flow rate..... max. 60 m³/h;
H₂S-Frachten bis 60 ppm
Operation..... 2009

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UGN
UMWELTECHNIK



Location.....09575 Eppendorf (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a sludge storage chamber
Solution.....Hybrid filter module XL
Flow rate..... 1.250 m³/h
Operation..... 2009



Location.....04932 Präsen (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pumping station
Solution.....Hybrid filter module M
Flow rate..... 70 m³/h
Operation..... 2009



Location.....04910 Elsterwerda Promenade (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a manhole downstream a force main
Solution.....Hybrid filter module L Jumbo
Flow rate..... 250 m³/h
Operation..... 2009



Location.....08233 Treuen (Germany)
Application.....Cyanide containing waste gas from flame bonding processes (textile finishing)
Solution.....wet scrubber + hybrid filter module
Flow rate..... max. 15.000 m³/h
Operation..... 2008

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UGN
UMWELTECHNIK



Location.....08491 Netzschkau (Germany)
Application.....Cyanide containing waste gas from flame bonding processes (textile finishing)
Solution.....wet scrubber + hybrid filter module
Flow rate..... max. 15.000 m³/h
Operation..... 2008



Location.....38723 Rden-Seesen (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a force main – gravity pipeline junction
Solution.....Hybrid filter module S
+ Hybrid filter module L
Flow rate..... 50 m³/h bzw. 500 m³/h
Operation..... 2008



Location.....07987 Mohlsdorf (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a sludge storage chamber and grit housing
Solution.....Biofilter – module XL
Flow rate..... max. 800 m³/h
Operation..... 2008



Location.....06636 Trbsdorf (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pump receiver
Solution.....Biofilter – module XL
Flow rate..... 900 m³/h
Operation..... 2008

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UGN
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Location.....39340 Althaldensleben (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pump receiver
Solution.....Biofilter – module L Jumbo
Flow rate..... 380 m³/h,
50 ppm H₂S
Operation..... 2008 / extension 2018



Location.....39345 Planken-Neuenhofe (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pumping station
Solution.....Hybrid filter module M
Flow rate..... 30 m³/h
Operation..... 2008



Location.....14480 Potsdam (Germany)
Application.....Treatment of odorous hydrogen sulfide and VOC laden exhaust air from a pump station
Solution.....Hybrid filter-module L for H₂S + Hybrid filter-module L with UgnCleanPellets® C 1.0 for VOC
Flow rate..... 100 m³/h
Operation..... 2008



Location.....26169 Friesoythe (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a sewage collector pipe
Solution.....Hybrid filter module M
Flow rate..... 150 m³/h
Operation..... 2008

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Location.....Dubai
Application.....Hydrogen sulfide laden waste air treatment downstream a wet scrubber for exhaust air from a sewage pump station.
Solution.....2x Biofilter module XL
Flow rate..... 2.500 m³/h
100 ppm H₂S
Operation..... 2007



Location.....60327 Frankfurt am Main (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a hotel off-grid wastewater treatment plant.
Solution.....Biofilter module M
Flow rate..... 50 m³/h
Operation..... 2007



Location.....24558 Henstedt-Ulzburg (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a force main terminal manhole
Solution.....Hybrid filter module M
Flow rate..... 150 m³/h
Operation..... 2007



Location.....04838 Eilenburg Mitte (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pump station
Solution.....Hybrid filter module L
Flow rate..... 300 m³/h
300 ppm H₂S
Operation..... 2007

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UGN
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Location.....22844 Norderstedt (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a pump-receiver
Solution.....Hybrid filter module M
Flow rate..... 150 m³/h
Operation..... 2007



Location.....Ungarn
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from foil printer
Solution.....Hybrid filter module L
Flow rate..... Teilstrom 500 m³/h
Operation..... 2007



Location.....60313 Frankfurt am Main (Germany)
Application.....Skimming tank and syphoning plant aeration for an off-grid small scale wastewater treatment plant
Solution.....Pipe-filter DN 250
Flow rate..... 20 m³/h
Operation..... 2007



Location.....14827 Wiesenburg-Mark (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from sludge storage container and grit housing
Solution.....Hybrid pipe filter DN 400
Flow rate..... 80 m³/h
Operation..... 2007

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Location.....24118 Kiel (Germany)

Application.....Aeration and exhaust air treatment for a
skimming tank – sewage duct junction.

Solution.....Hybrid filter module M

Flow rate..... 150 m³/h

Operation..... 2007



Location..... 98701 Großbreitenbach (Germany)

Application..... Treatment of odorous hydrogen sulfide
laden exhaust air from a sludge storage tank

Solution..... 2 Biofilter – module L

Flow rate..... 2x 500 m³/h

Operation..... 2006



Location.....32049 Herford (Germany)

Application..... Treatment of odorous hydrogen sulfide
laden exhaust air from a off-grid wastewater
treatment plant

Solution..... Biofilter – module L

Flow rate..... 250 m³/h

Operation..... 2006



Location.....01920 Räckelwitz (Germany)

Application..... Treatment of odorous hydrogen sulfide
laden exhaust air from a force main – gravity
pipeline junction and grit housing

Solution..... Biofilter – module L

Flow rate..... max. 60 m³/h,
700 ppm H₂S

Operation..... 2006

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Location.....04105 Leipzig (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a force main – gravity pipeline junction
Solution.....Biofilter – module L
Flow rate..... max. 100-500 m³/h;
400-850 ppm H₂S
Operation..... 2004



Location.....76131 Forschungszentrum Karlsruhe
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a research fermentation tank
Solution.....Biofilter – module S
Flow rate..... 50 m³/h
Operation..... 2004



Location.....07366 Blankenstein (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a lime-slurry processing pilot-plant
Solution.....Biofilter – module L
Flow rate..... max. 250 m³/h
Operation..... 2003



Location.....07318 Saalfeld/Saale (Germany)
Application.....Treatment of odorous hydrogen sulfide laden exhaust air from a smokehouse
Solution.....activated carbon – module L
Flow rate..... 500 m³/h
Operation..... 2002