



We offer **Solutions**
Worldwide



There Are Local and Global Challenges – and HUBER Solutions



There is a Solution for almost every problem –
We will find and use it

We face many challenges in our lives, and we have learned how to find solutions. We often have to look for support by experts. HUBER engineers are experts in water and waste treatment. If you have a problem of this kind, please ask us, please challenge us; we will find a solution and will be happy to share it with you.

Local and global challenges

Perhaps you are a plant operator or a consulting engineer. Perhaps you are looking for better performing and more efficient, cost-effective and reliable processes or equipment? Please speak with us!

Energy, water and food are becoming scarcer and ever more expensive. We are facing resource shortages, global warming and climate change with potentially catastrophic consequences for most people, especially the poor.

Only if we realize every possibility for sustainable and affordable development, only if we save and reuse our precious resources, are we acting responsibly.

This brochure should give you an overview of our Solutions. There are more, of course. If you challenge us with your problem, we will find and develop another one.

HUBER Products are building blocks for HUBER Solutions.

We Close the Loops!

HUBER makes wastewater a resource!



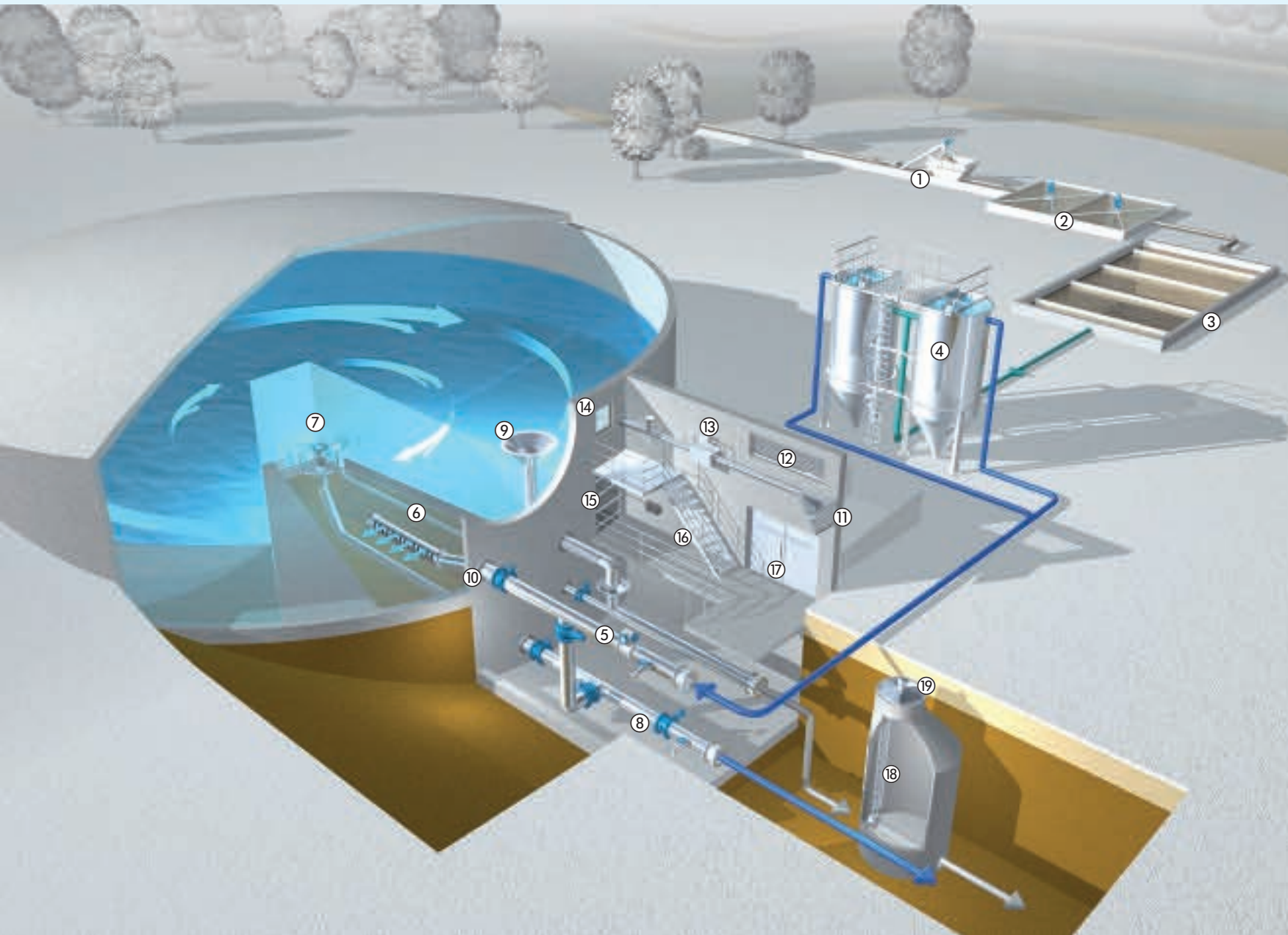
Let's work together and develop our common Solution!



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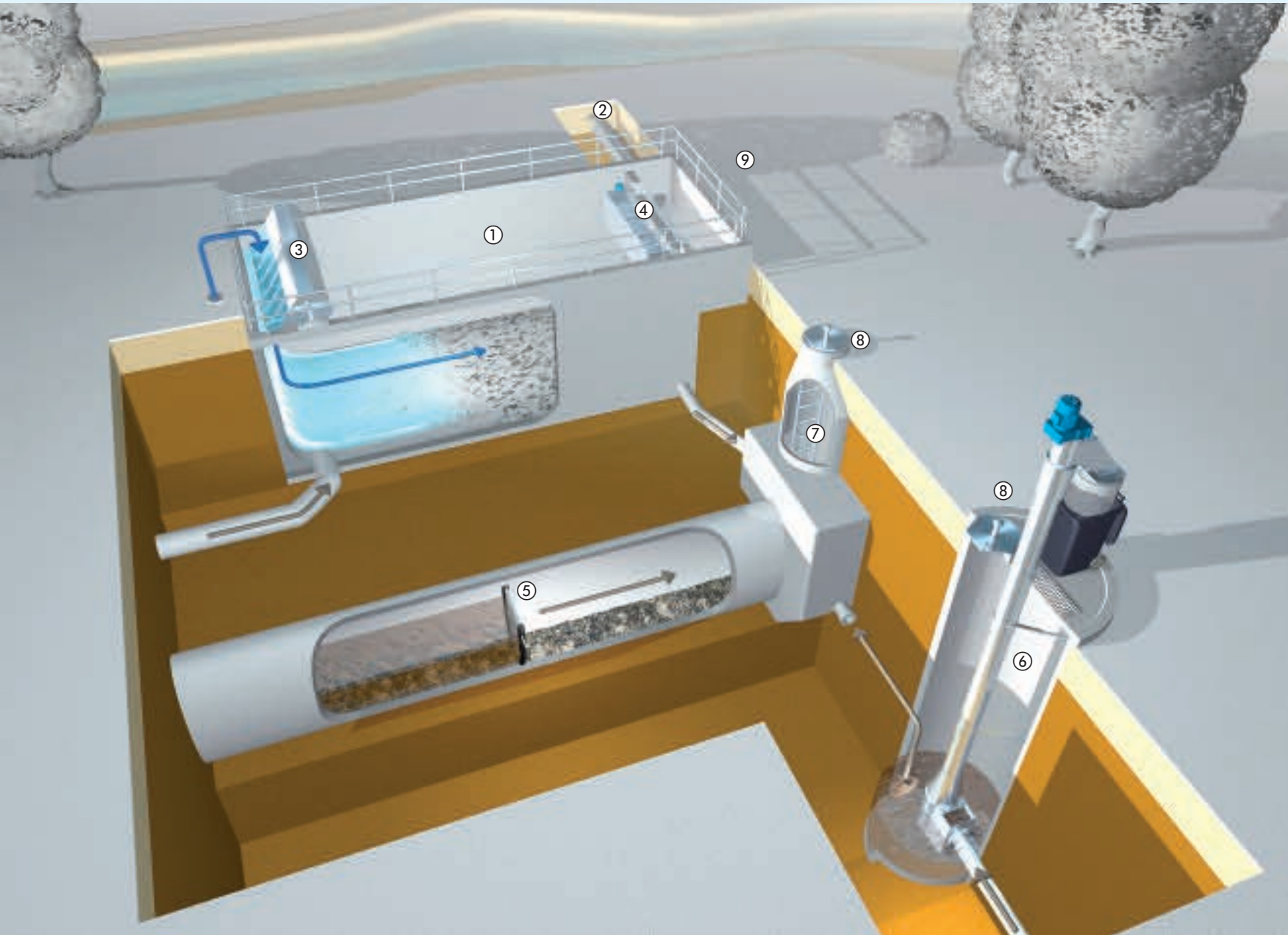
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HUBER Solution for Drinking Water Reservoirs



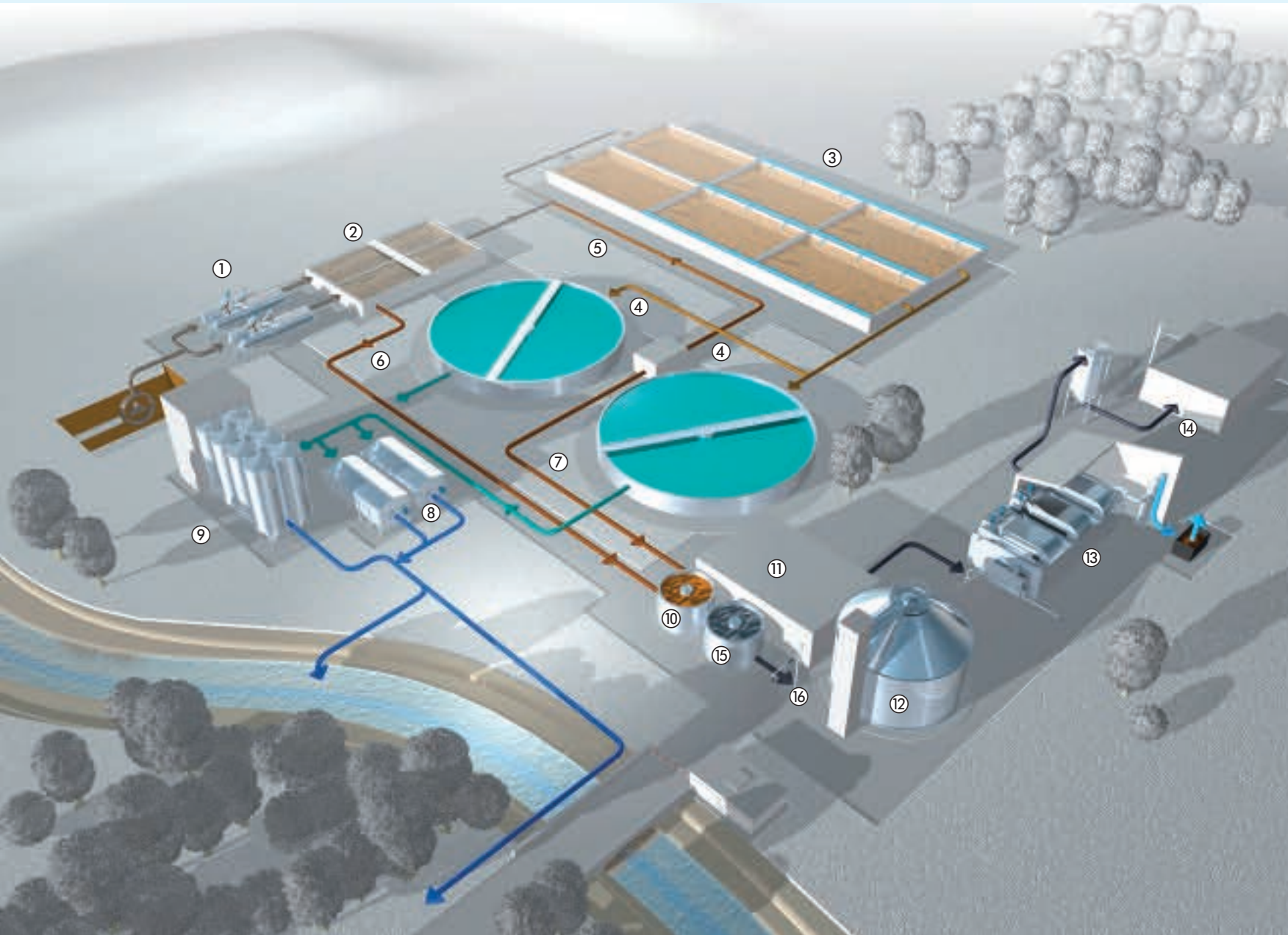
- ① ROTAMAT® Screens / Wastewater Screening
- ② Precipitation / Flocculation
- ③ Sedimentation Tank
- ④ CONTIFLOW® Sandfilter CFSF – Advanced Treatment / Filtration
- ⑤ Flow Metre
- ⑥ HUBER Feed Pipe
- ⑦ HUBER Outlet Turbine – Flow Guide Vanes
- ⑧ Back Valve
- ⑨ HUBER Overflow Funnel – Emergency Overflow
- ⑩ HUBER Wall Entrance in Stainless Steel
- ⑪ HUBER Security Ventilation Louvre in Stainless Steel with Coarse Filter
- ⑫ HUBER Ventilation Louvre in Stainless Steel
- ⑬ HUBER Air Filter Plant
- ⑭ HUBER Window with Stainless Steel Frame
- ⑮ Pressure-Tight HUBER Stainless Steel Door
- ⑯ HUBER Stainless Steel Platform, Stairs, Railing
- ⑰ HUBER Security Door in Stainless Steel
- ⑱ HUBER Safety Ladder with Guard Rail
- ⑲ HUBER Stainless Steel Manhole Cover

HUBER Solutions for Sewer Systems



- ① Storm Water Tank
- ② Combined Sewer Overflow
- ③ HUBER Tipping Buckets SK
- ④ ROTAMAT® Storm Screen RoK 2
- ⑤ Sewer Flushing System HUBER Power Flush®
- ⑥ Pump Station Screen ROTAMAT® RoK 4
- ⑦ HUBER Manhole Safety Ladder
- ⑧ HUBER Manhole Covers
- ⑨ HUBER Guardrails

HUBER Solutions for Centralized Wastewater Treatment

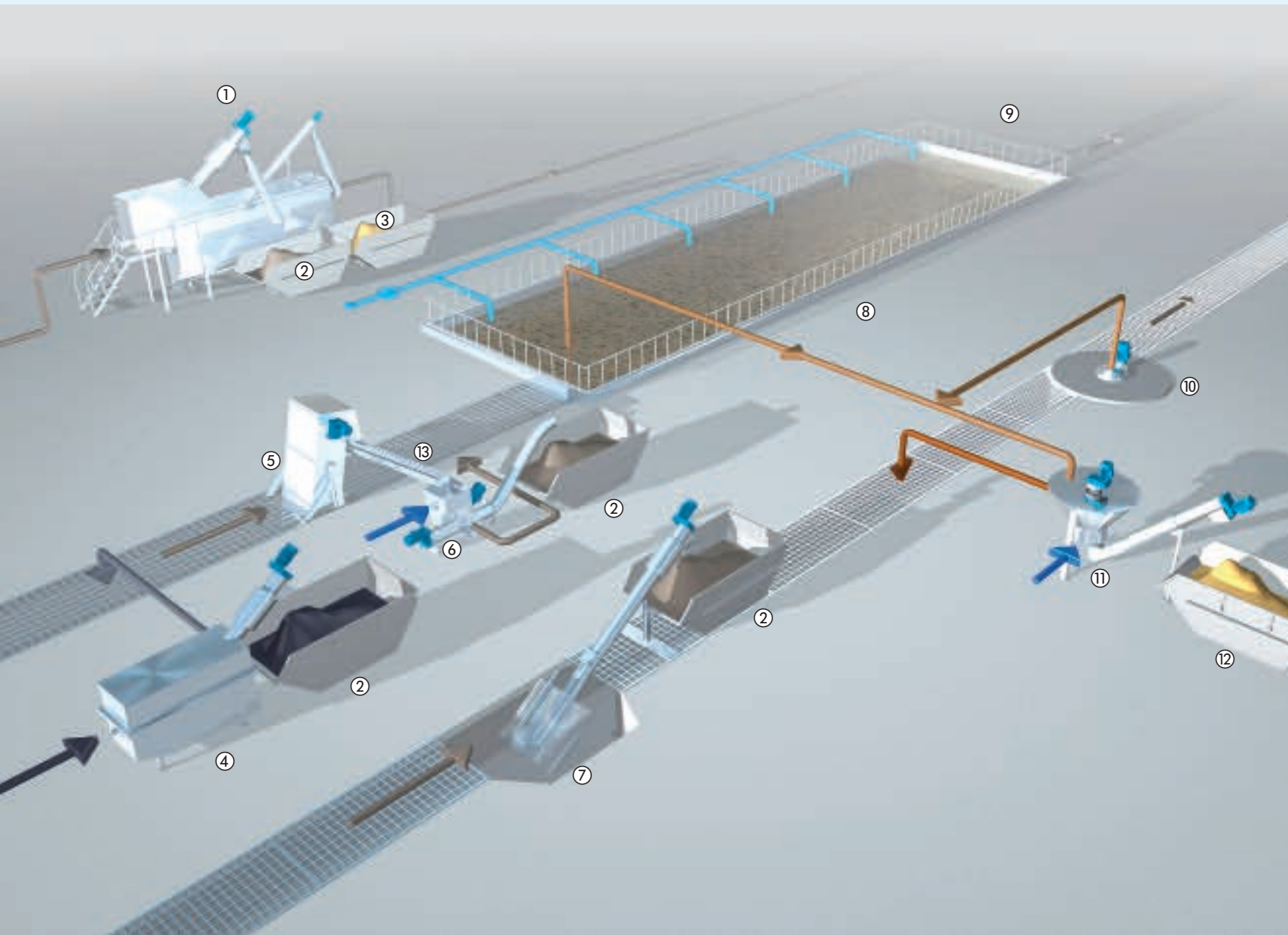


- ① Complete Mechanical Pre-Treatment: HUBER ROTAMAT® Complete Plant Ro 5
- ② Primary Clarifiers with HUBER Stainless Steel Equipment
- ③ Denitrification and Aeration Tanks with HUBER Stainless Steel Equipment
- ④ Secondary Clarifiers with HUBER Stainless Steel Equipment
- ⑤+⑥+⑦ Return Sludge + Primary Sludge + Waste Activated (Secondary) Sludge
- ⑧ RoDisc® Rotary Mesh Screen
- ⑨ HUBER CONTIFLOW® Sandfilter
- ⑩ Pre-Thickener with HUBER Stainless Steel Equipment
- ⑪ Sludge Treatment with HUBER Machines
- ⑫ Anaerobic Digester
- ⑬ HUBER Belt Dryer BT
- ⑭ Sludge Utilisation sludge2energy®
- ⑮ Post-Thickener with HUBER Stainless Steel Equipment
- ⑯ HUBER Liquid Sludge Gallow

Not shown in the drawing:

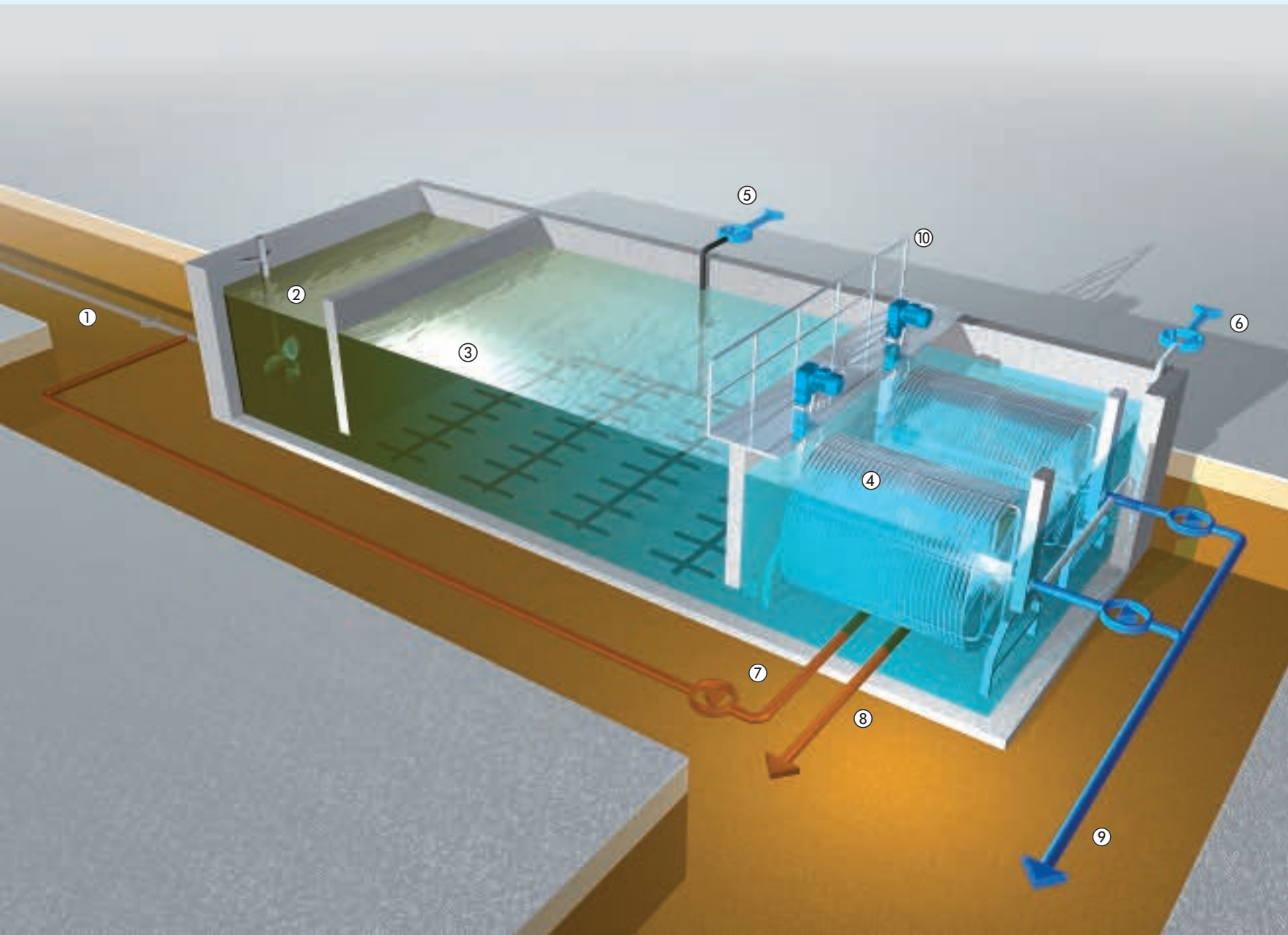
- HUBER Membrane Technology
- HUBER Heat Recovery
- HUBER Screenings and Grit Treatment

HUBER Solutions for Mechanical Wastewater Pre-Treatment



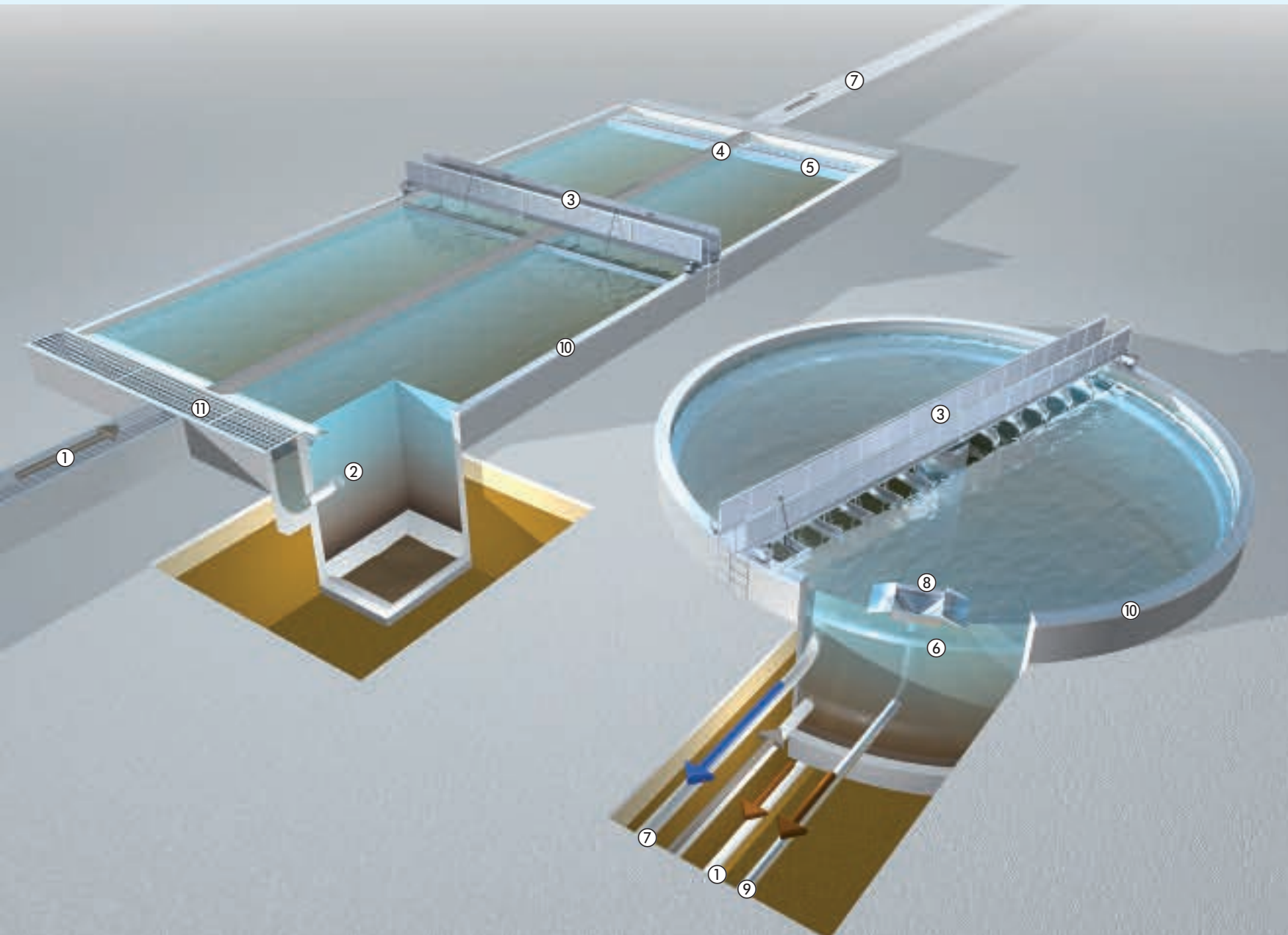
- ① HUBER ROTAMAT® Complete Plant Ro 5
- ② Washed and Compacted Screenings
- ③ Classified Grit
- ④ Septage Receiving Station: ROTAMAT® Sludge Acceptance Plant Ro 3.1
- ⑤ HUBER RakeMax® Multi-Rake Bar Screen
- ⑥ HUBER Screenings Wash Press WAP/SL
- ⑦ ROTAMAT® Rotary Drum Fine Screen Ro 2
- ⑧ Aerated Grit Channel with HUBER Stainless Steel Equipment
- ⑨ HUBER Guardrails
- ⑩ HUBER Vortex Grit Chamber VORMAX®
- ⑪ COANDA Grit Washer RoSF 4
- ⑫ Washed and Dewatered Grit for Reuse
- ⑬ ROTAMAT® Screw Conveyor Ro 8

HUBER Solutions for Biological Wastewater Treatment: HUBER MBR Plants



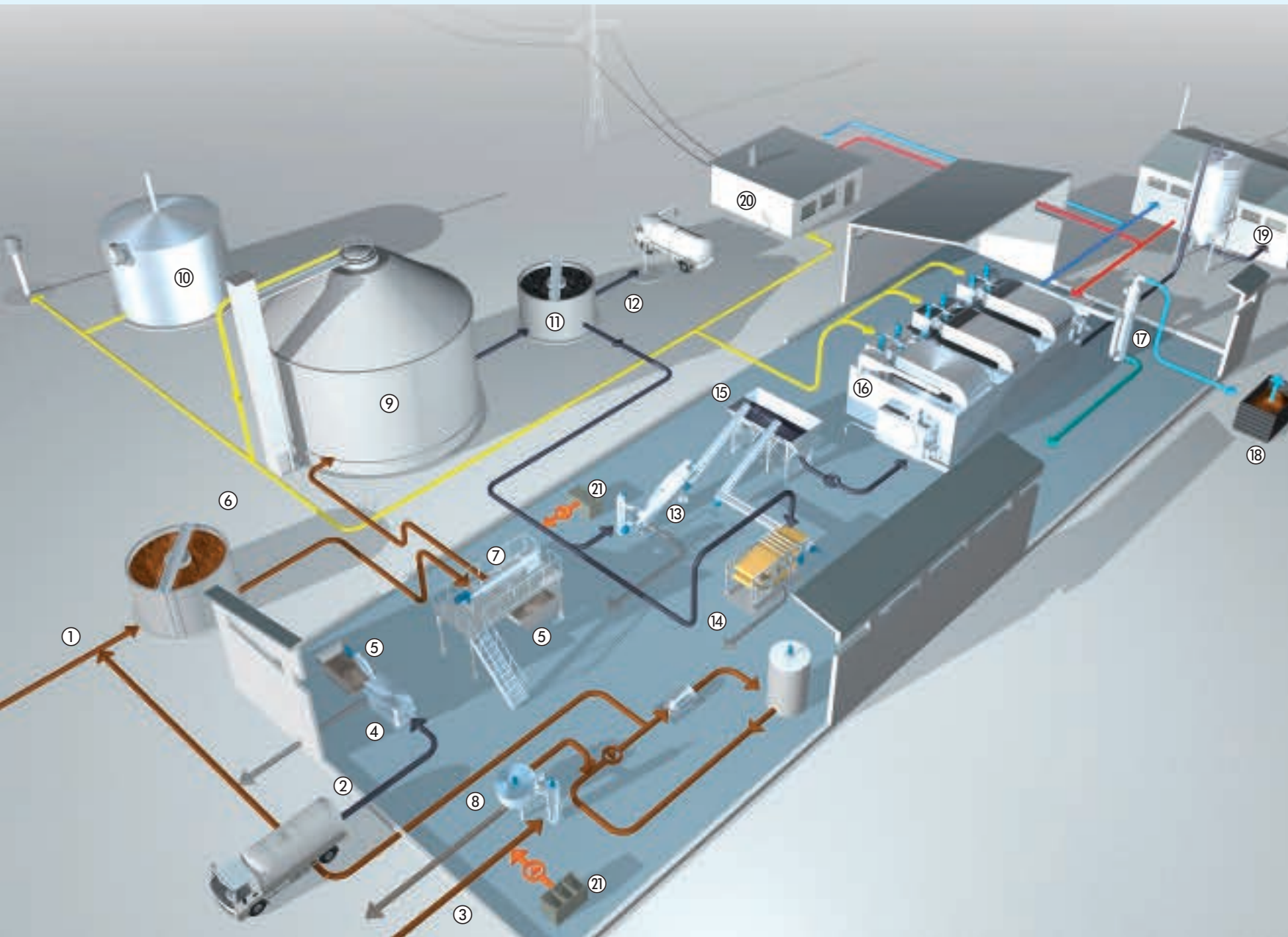
- ① Wastewater Inflow
- ② Denitrification Tank with Propeller Mixer
- ③ Aeration Tank with Air Diffusers (Pressure or Surface Aeration)
- ④ Vacuum Rotation Membranes HUBER VRM® in Filtration Tank
- ⑤ Aeration Blower
- ⑥ Scouring Air Blower
- ⑦ Return Sludge
- ⑧ Surplus (Waste Activated) Sludge to Further Treatment
- ⑨ Permeate Pumps & Clean and Disinfected Permeate Effluent Suitable for Reuse
- ⑩ HUBER Guardrail

HUBER Solutions for Sedimentation



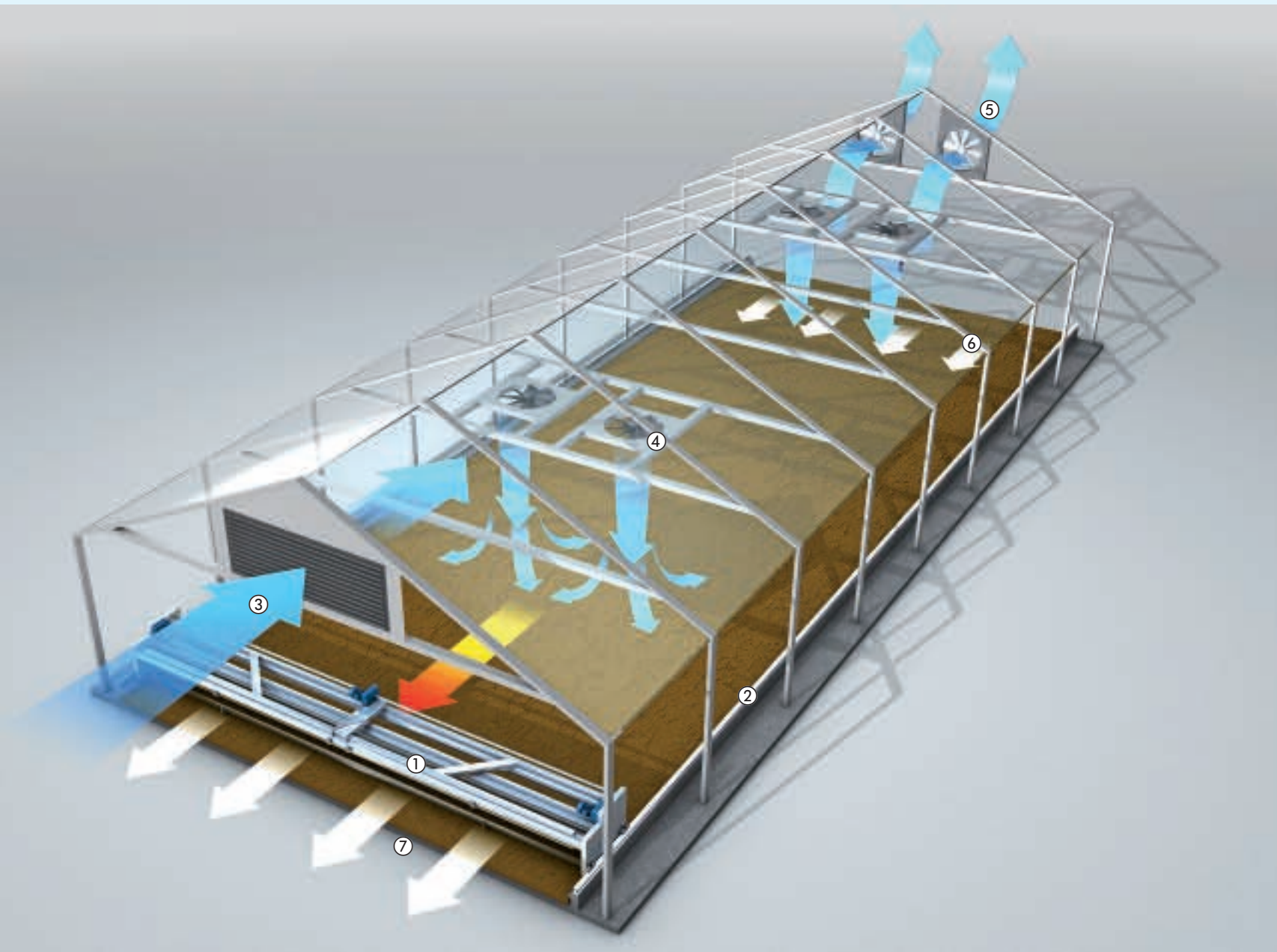
- ① Inlet
- ② HUBER Stengel-Type Inlet Construction
- ③ Sludge Scraper
- ④ HUBER Baffle
- ⑤ HUBER Overflow Channel with Overfall Weirs
- ⑥ HUBER Submerged Pipe Discharge System
- ⑦ Outlet
- ⑧ Scum Discharge Chamber
- ⑨ Sludge Lines
- ⑩ HUBER Covering for Tank Heads
- ⑪ HUBER Stainless Steel Grate Covers

HUBER Solutions for Sludge Treatment



- ①+②+③ Primary Sludge + Septic Sludge + Secondary Sludge
- ④ Septage Receiving Station: ROTAMAT® Sludge Acceptance Plant Ro 3.1
- ⑤ Screenings
- ⑥ Pre-Thickener
- ⑦ STRAINPRESS® Sludgecleaner
- ⑧ ROTAMAT® Disc Thickener RoS 25
- ⑨+⑩ Digester + Gas Holder
- ⑪ Post-Thickener
- ⑫ HUBER Sludge Gallow
- ⑬ ROTAMAT® Screw Press RoS 3
- ⑭ Belt Filter Press HUBER BogenPress BS
- ⑮ ROTAMAT® Screw Conveyors Ro 8 and Storage Tank RoSF 7
- ⑯ HUBER Belt Dryer BT
- ⑰+⑱ Quencher + Biofilter
- ⑲ HUBER sludge2energy® System for Sludge Utilisation
- ⑳ Power/Heat Cogen.
- ㉑ Polymer Stations

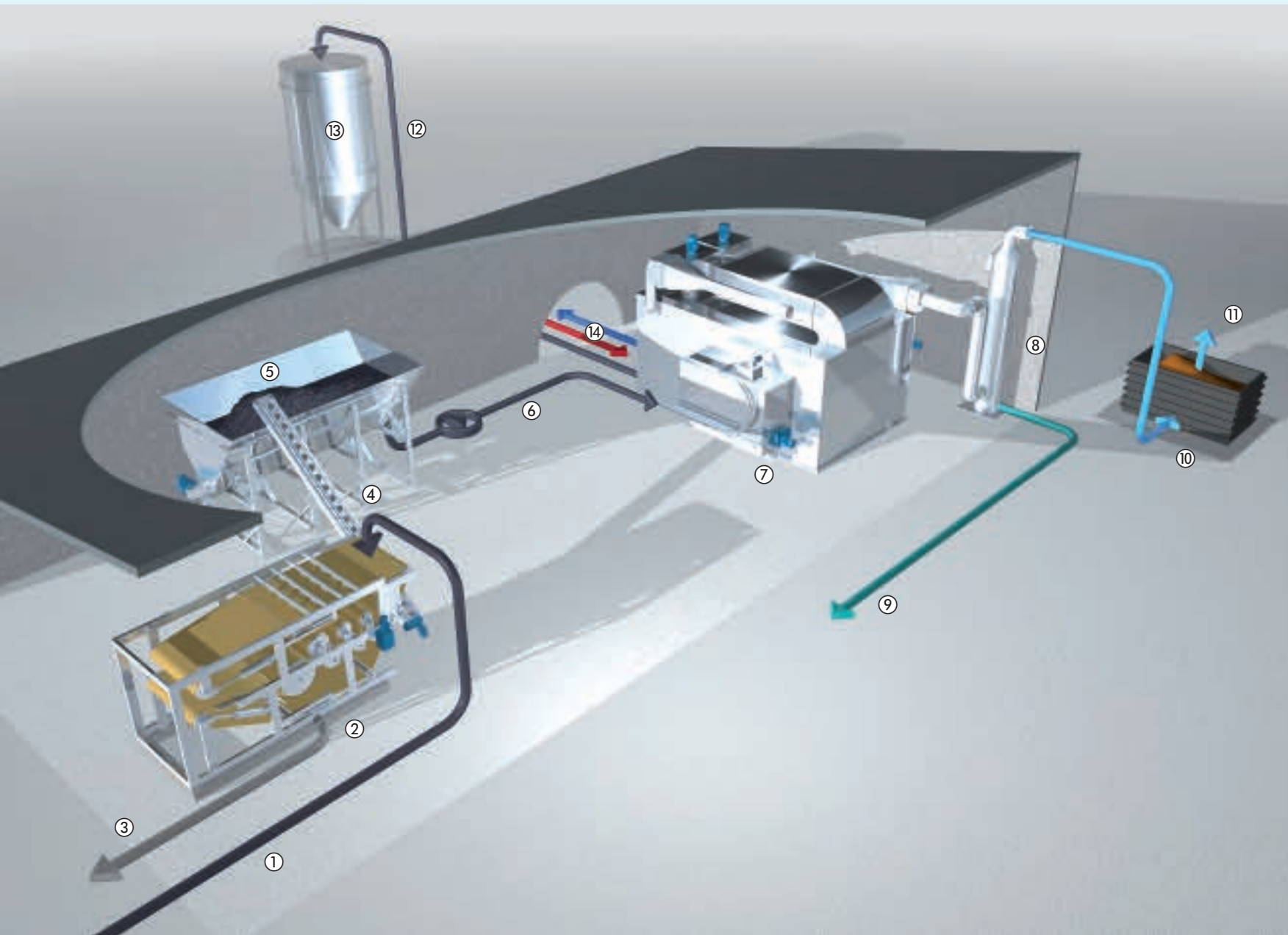
HUBER Solutions for Sludge Drying: HUBER Solar Active Dryer SRT



- ① Sludge Turner SRT, size 11, 9 or 6, for Greenhouses up to 12 m
- ② Driveway, Available in Different Materials
- ③ Fresh Air Intake on Dry Granulate Side
- ④ Process Ventilators
- ⑤ Ventilators, Optionally Available as Ridge Flaps
- ⑥ Wet Sludge Feed
- ⑦ Dry Granulate Removal

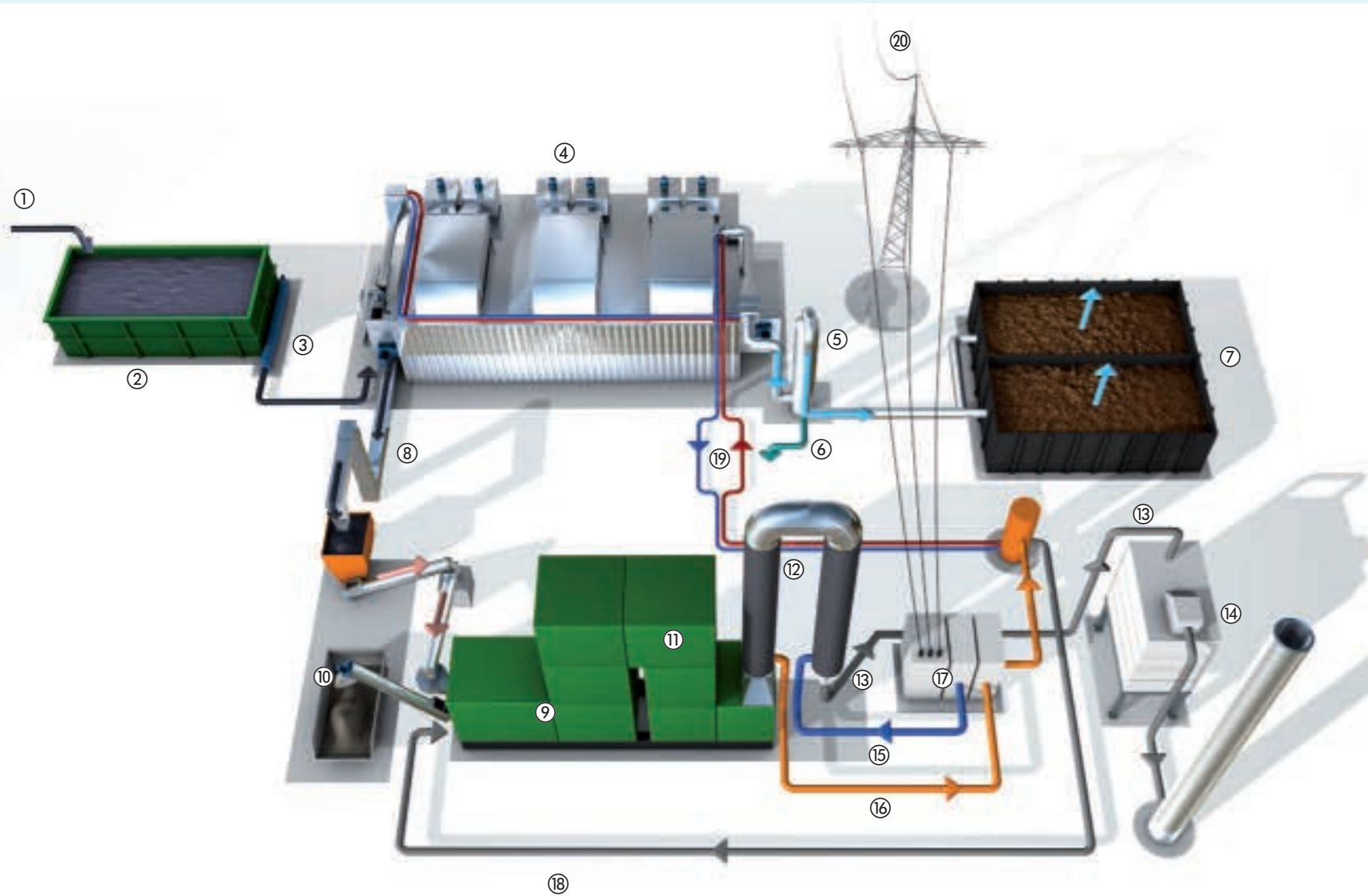
HUBER Solar Dryer with Underfloor Heating: See Page 36 – 37.

HUBER Solutions for Sludge Drying: HUBER Belt Dryer BT with Heat Supply



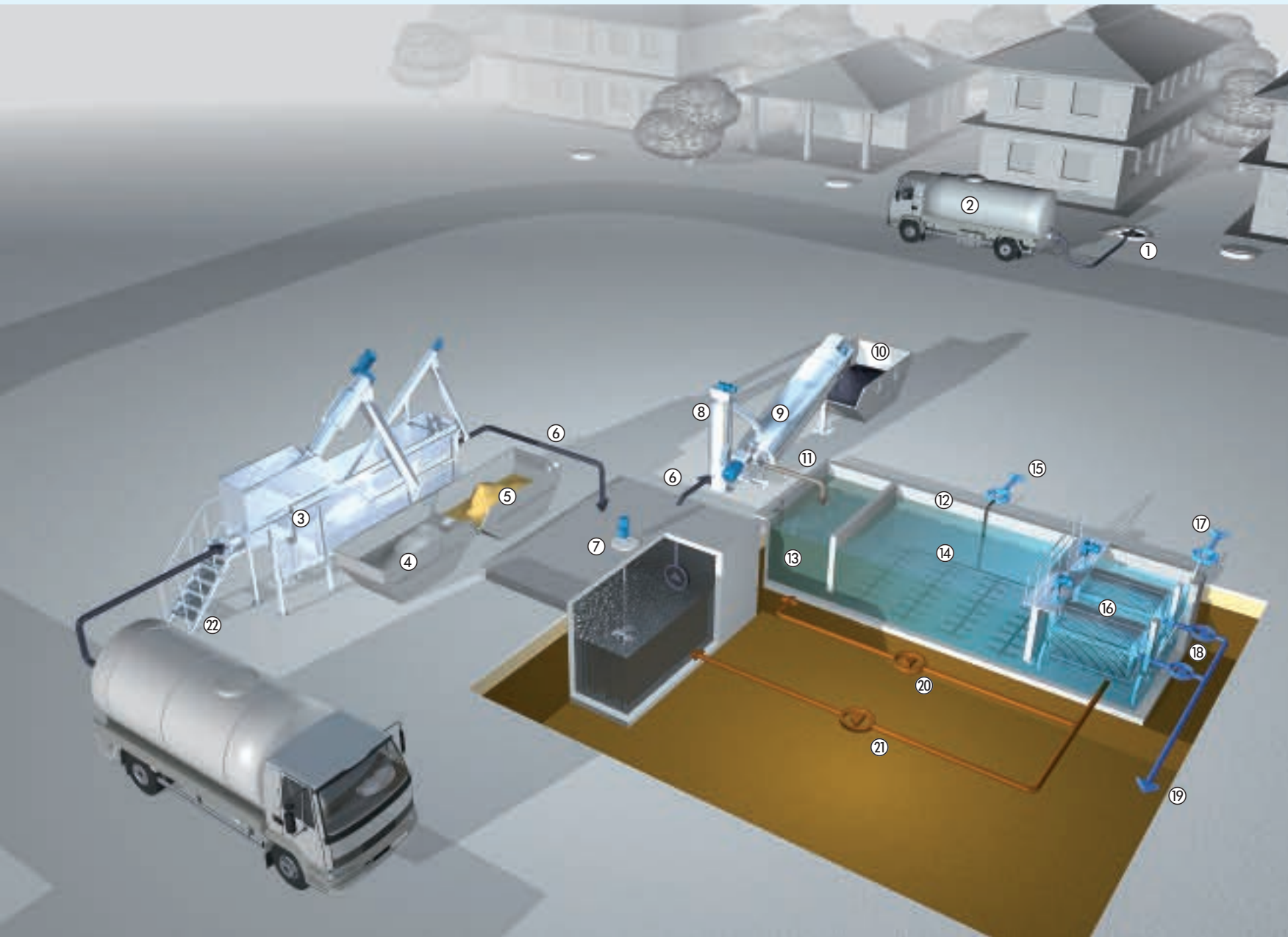
- ① Liquid Sludge
- ② Belt Filter Press HUBER BogenPress BS - other Sludge Dewatering Machines can also be used , e.g. our HUBER ROTAMAT® Screw Press RoS 3
- ③ Filtrate Return to Wastewater Treatment
- ④ HUBER ROTAMAT® Screw Conveyor Ro 8
- ⑤ Storage Tank with Bottom Screw ROTAMAT® RoSF 7
- ⑥ Dewatered Sludge to Dryer
- ⑦ HUBER Belt Dryer BT
- ⑧ Quencher
- ⑨ Condensate Return to Wastewater Treatment
- ⑩ Biofilter for Exhaust Air Deodorization
- ⑪ Low-Odour Exhaust Air
- ⑫ Bucket Conveyor for Dried Sludge
- ⑬ Dry Sludge Silo
- ⑭ Hot Water Supply for Heating (e.g. Block Heat and Power Plant)

HUBER Solutions for On-Site Sludge Incineration with HUBER sludge2energy® System



- ① Dewatered Sludge
- ② Sludge Bunker with Bottom Scraper
- ③ Piston Pump
- ④ HUBER Belt Dryer BT
- ⑤ Exhaust Air Quencher
- ⑥ Condensate to Wastewater Treatment
- ⑦ Biofilter
- ⑧ Bucket Conveyor for Dried Sludge
- ⑨ Grate Stoker Furnace
- ⑩ Ash
- ⑪ Hot Flue Gas
- ⑫ Heat Exchanger
- ⑬ Cooled Flue Gas
- ⑭ Flue Gas Filter
- ⑮ Cooled Air from Turbine
- ⑯ Hot Air to Turbine
- ⑰ Air Turbine
- ⑱ Hot Combustion Air
- ⑲ Dryer Heating with Hot Water
- ⑳ Power to Grid

HUBER Solution for Septic Sludge Treatment



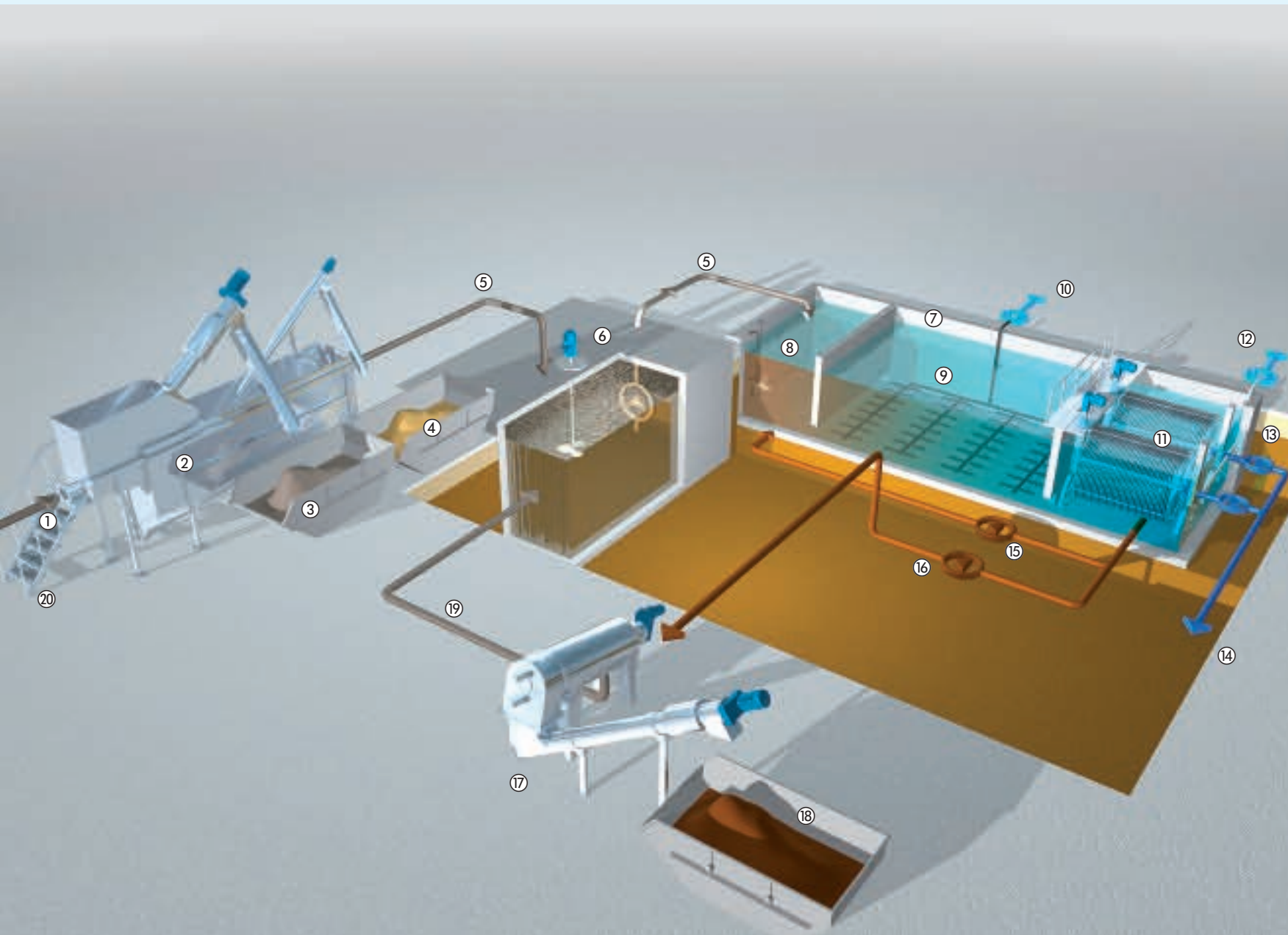
- ① Septic Tanks
- ② Sludge Collection Vehicle
- ③ HUBER ROTAMAT® Sludge Acceptance Plant Ro 3.3
- ④+⑤ Washed and Compacted Screenings + Classified Grit
- ⑥ Pre-Treated Septic Sludge
- ⑦ Septic Sludge Storage Tank
- ⑧+⑨ Flocculation Reactor + HUBER ROTAMAT® Screw Press RoS 3
- ⑩ Dewatered Septic Sludge
- ⑪ Filtrate
- ⑫ HUBER MBR Plant
- ⑬ Denitrification Tank with Stirrer
- ⑭+⑮ Aeration tank with Pressure Aeration
- ⑯ HUBER Vacuum Rotation Membranes VRM®
- ⑰ Scouring Blower
- ⑱ Permeate Pumps
- ⑲ Treated, Disinfected Effluent (Permeate), e.g. for Irrigation
- ⑳ Return Sludge
- ㉑ Surplus Sludge
- ㉒ HUBER Stairs and Railing

HUBER Solutions for Decentralized Wastewater Treatment



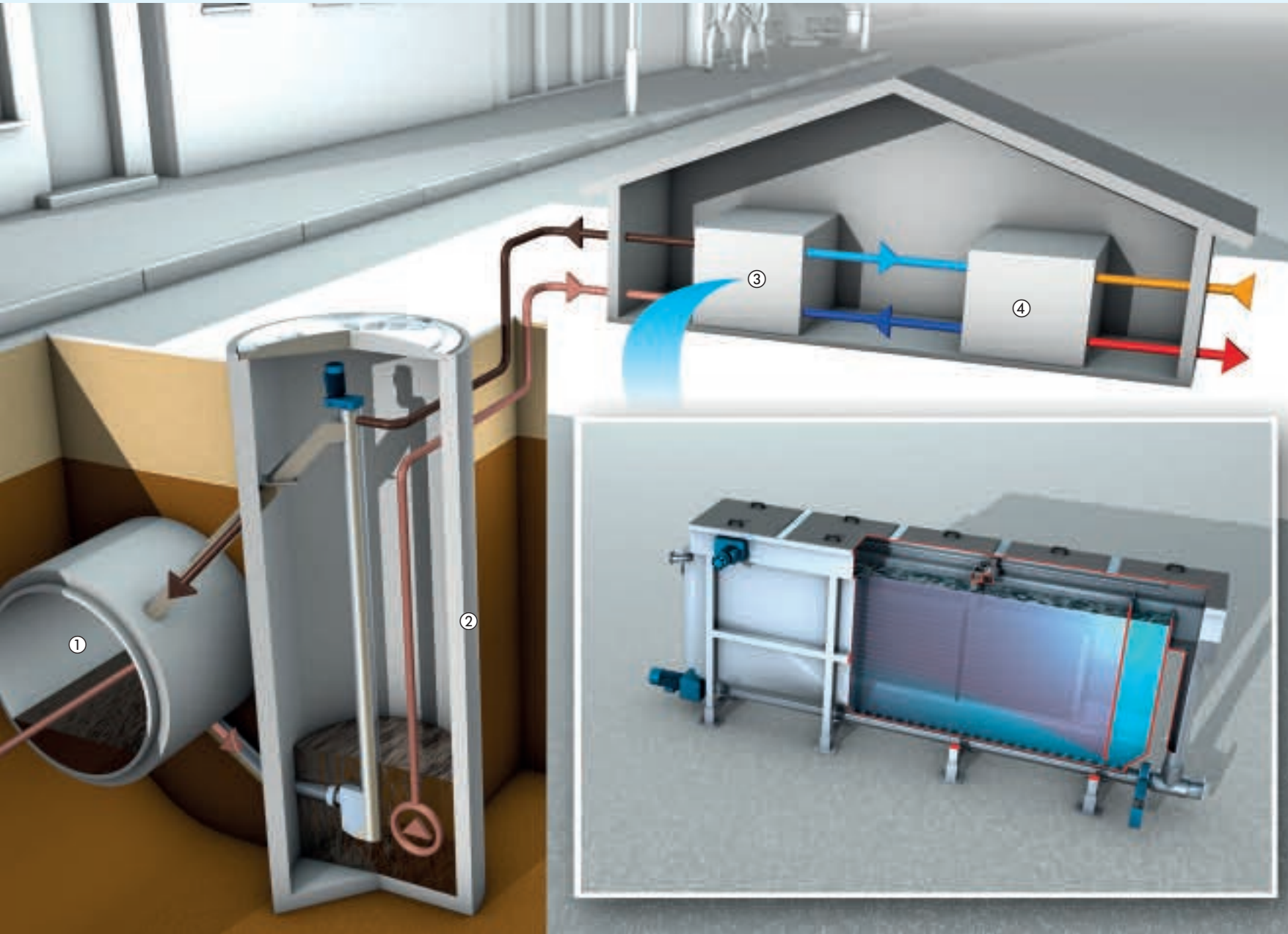
- ① Well with HUBER stainless steel manhole covers
- ② Water works
- ③ Polluted water
- ④ Decentralised HUBER solution with membrane technology
- ⑤ Semi-centralised HUBER solution with HUBER BioMem®
- ⑥ Treated germ-free service water for toilet flushing and laundry washing
- ⑦ Treated germ-free service water for irrigation
- ⑧ Treated germ-free effluent discharged to receiving water course

HUBER Solution for Decentralized or Semi-Centralized Wastewater Treatment with Reuse



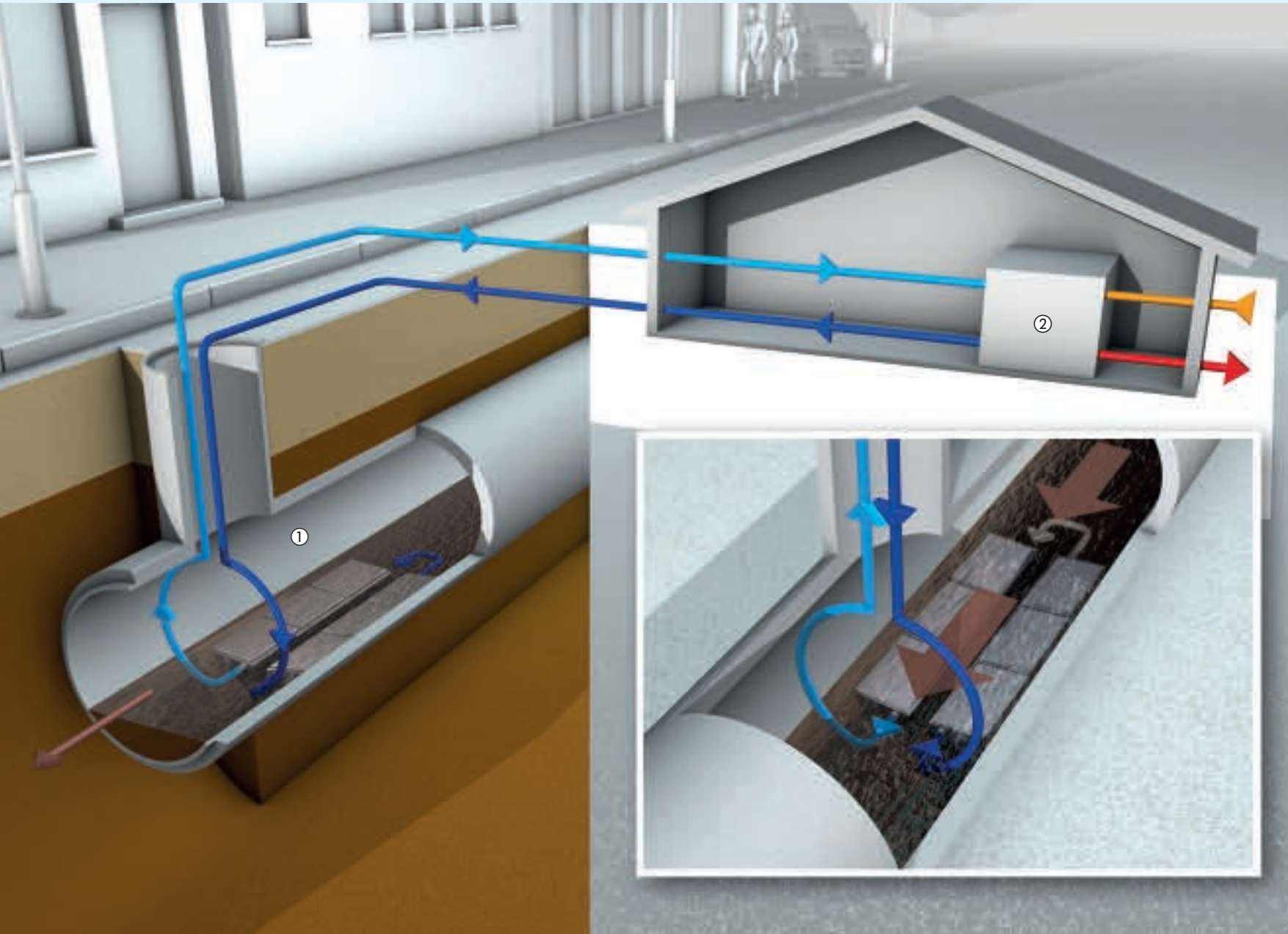
- ① Wastewater Inflow
- ② Pre-Treatment Plant:
HUBER ROTAMAT® Complete Plant
Ro 5
- ③ Washed and Compacted Screenings
- ④ Classified Grit
- ⑤+⑥ Pre-treated Wastewater +
Storage and Equalization Tank
- ⑦ HUBER Membrane Bioreactor
- ⑧ Denitrification Tank with Mixer
- ⑨ Aeration Tank with Air Diffusers
- ⑩ Aeration Air Blower
- ⑪ Vacuum Rotation Membranes
HUBER VRM®
- ⑫ Scouring Air Blowers
- ⑬ Permeate Pumps
- ⑭ Clean, Disinfected and Reusable
Permeate Effluent
- ⑮ Return Sludge
- ⑯ Surplus Sludge
- ⑰ HUBER ROTAMAT® Screw Press
RoS 3Q
- ⑱ Dewatered Sludge
- ⑲ Filtrate
- ⑳ HUBER Stair and Catwalk

HUBER ThermWin® Solution for Heat Recovery from Sewage



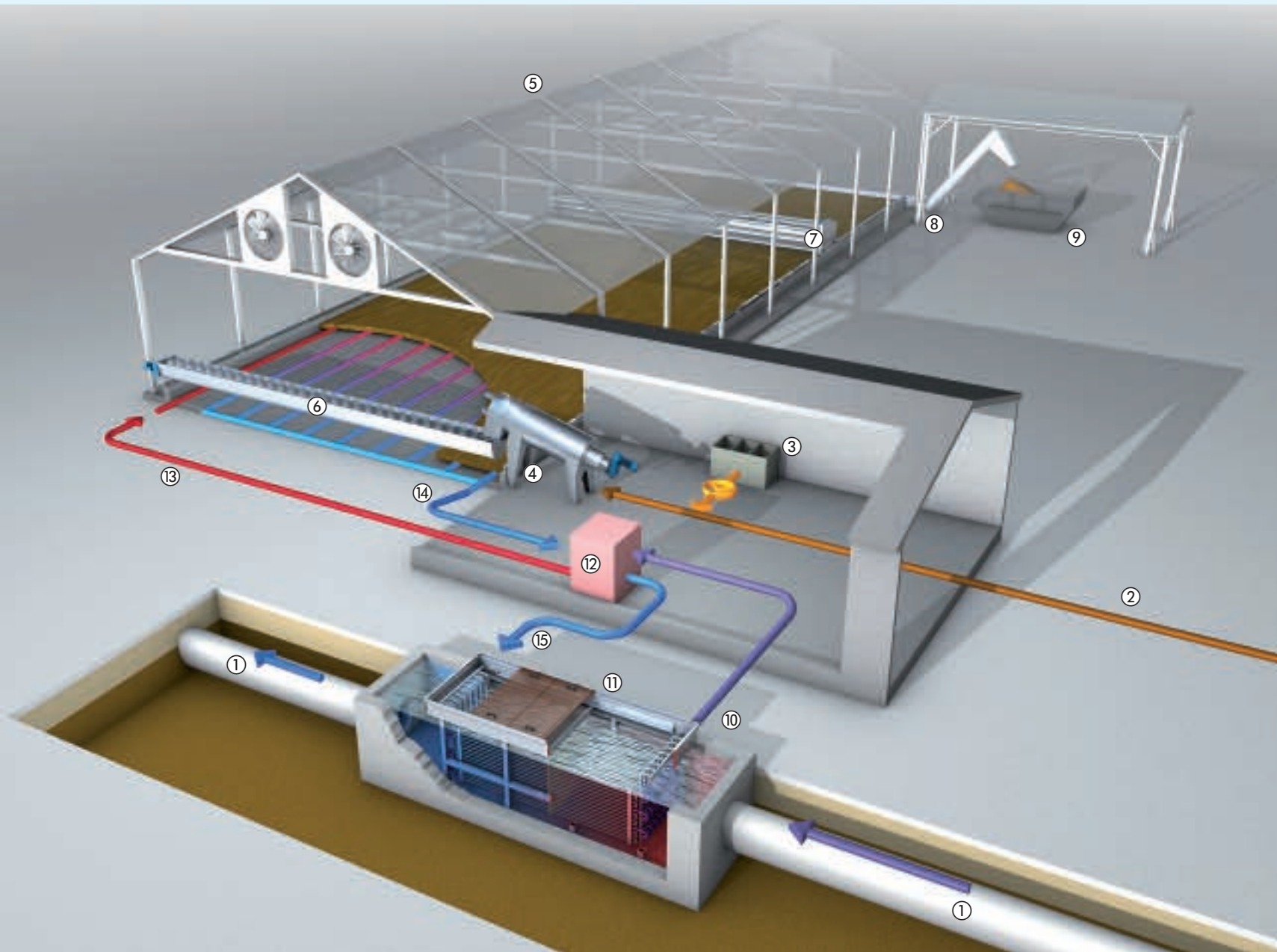
- ① Sewer
- ② Sewage Shaft with Screen and Delivery Pump
- ③ HUBER Wastewater Heat Exchanger RoWin
- ④ Heat Pump

HUBER TubeWin solution for the recovery of heat from raw wastewater



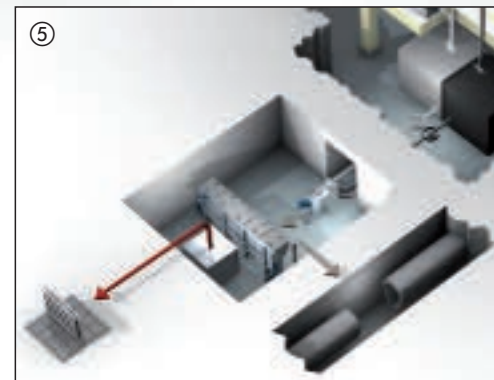
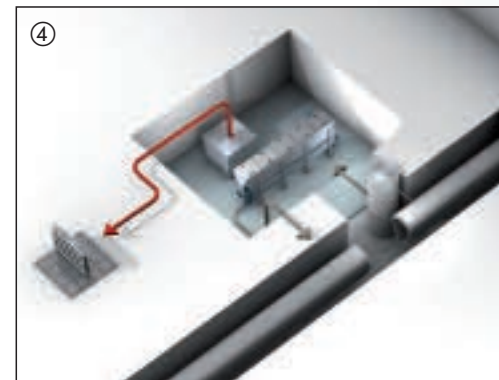
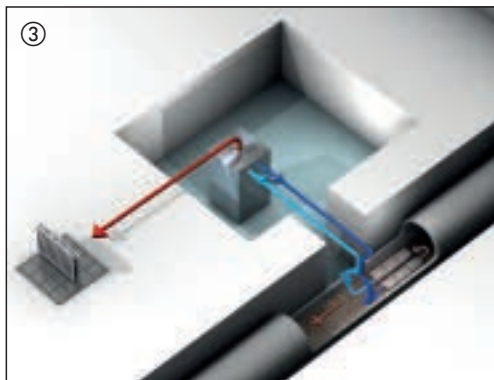
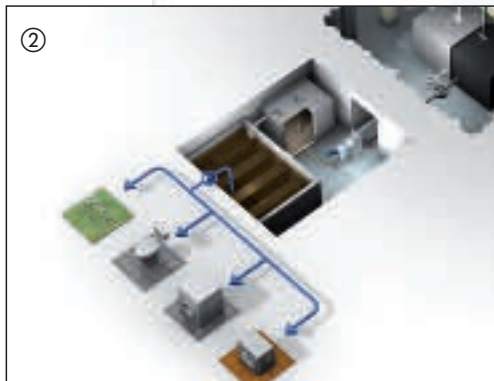
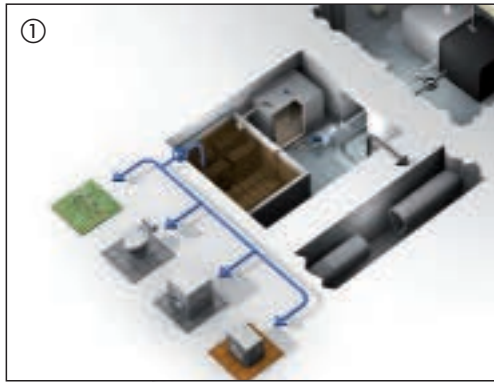
- ① HUBER TubeWin Heat Exchanger installed in the sewer
- ② Heat pump

HUBER Solution for Heat Recovery from Wastewater: Heat Recovery from Plant Effluent for Sludge Drying



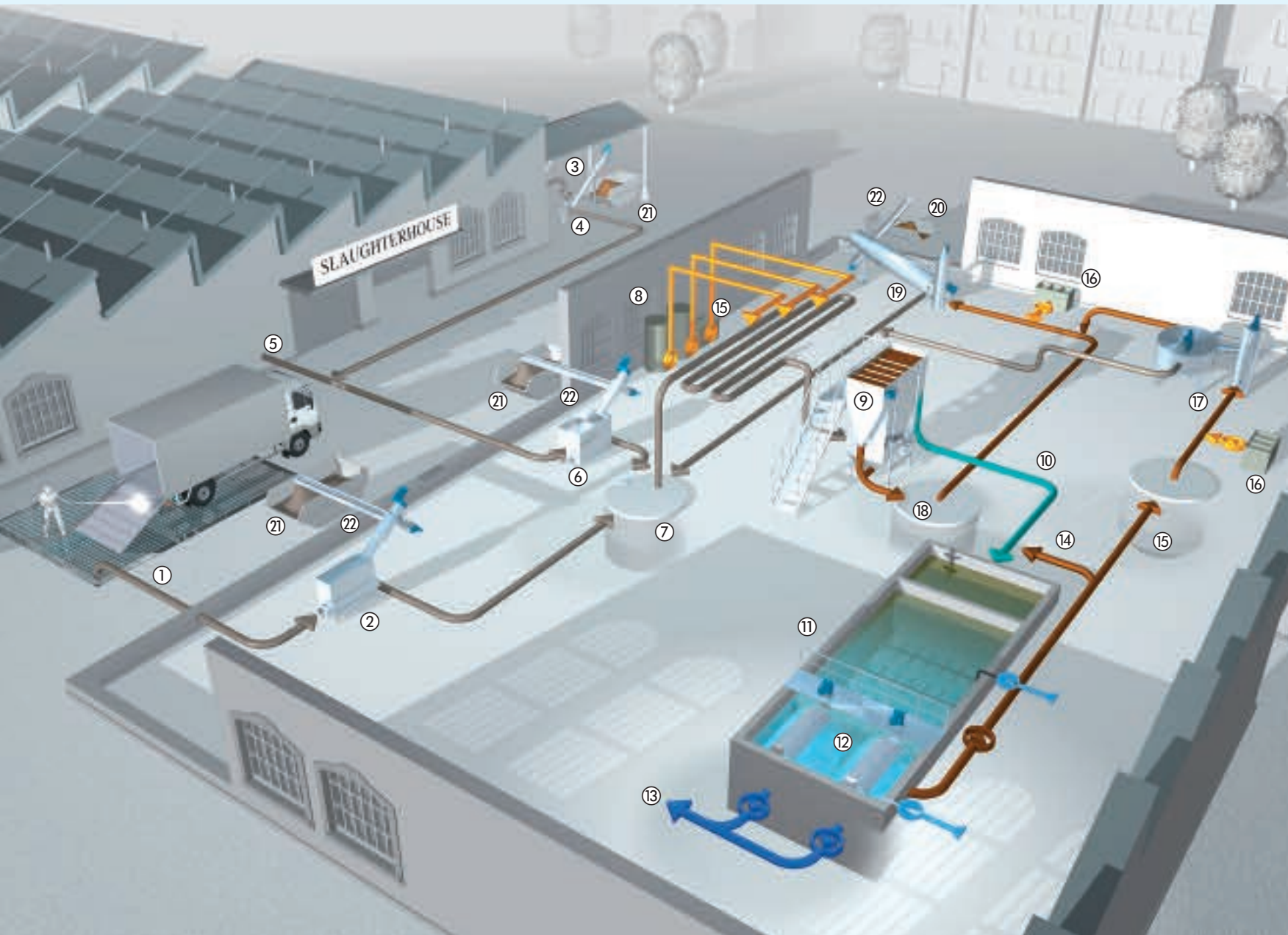
- ① Wastewater Treatment Plant Effluent
- ② Liquid Sludge
- ③ Polymer Station
- ④ Screw Press ROTAMAT® RoS 3Q
- ⑤ HUBER Solar Active Dryer SRT with Greenhouse
- ⑥ Distribution Screw for Dewatered Sludge
- ⑦ Travelling Sludge Turner
- ⑧ HUBER ROTAMAT® Screw Conveyor Ro 8
- ⑨ Dried Sludge Product to Incineration
- ⑩ Flow to Heat Pump
- ⑪ HUBER Heat Exchanger RoWin B
- ⑫ Heat Pump
- ⑬ Warm Water for Underfloor Heating
- ⑭ Cooled Water Return to Heat Pump
- ⑮ Water Return to HUBER Heat Exchanger RoWin B

HUBER Solution for Water Reuse and Heat Recovery



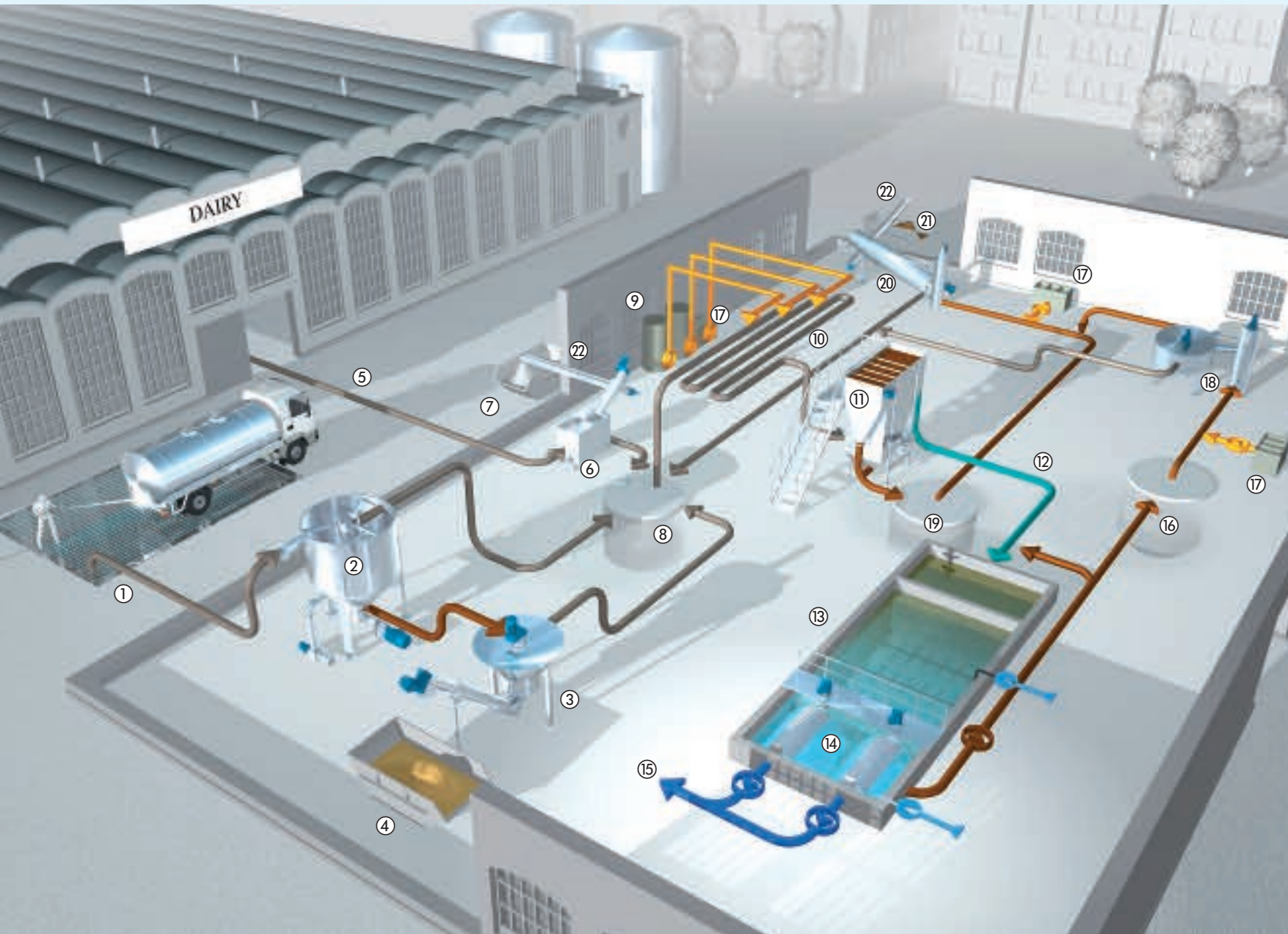
- ① Solution 1:
Greywater Treatment
HUBER GreyUse®
- ② Solution 2:
HUBER Combined Water Treatment
- ③ Solution 3:
HUBER TubeWin Heat Exchanger
- ④ Solution 4:
Heat Recovery from Sewers
HUBER ThermWin®
- ⑤ Solution 5:
Heat from Wastewater
HUBER RoWin

HUBER Solution for Slaughterhouses and the Meat Processing Industry



- ① WW from Truck Washing
- ② ROTAMAT® Micro Strainer Ro 9 Screen
- ③ Paunch Contents
- ④ ROTAMAT® Screenings Compactor Ro 7
- ⑤ Production Wastewater
- ⑥ HUBER ROTAMAT® Rotary Drum Fine Screen Ro 2
- ⑦ Mixing and Equalization Tank
- ⑧+⑨+⑩ Dosing of Chemicals + HUBER Dissolved Air Flotation (DAF) Plant + DAF Effluent
- ⑪+⑫ HUBER Membrane Bioreactor (MBR) + Vacuum Rotation Membranes VRM®
- ⑬ Reusable Effluent
- ⑭+⑮ Return Sludge + Surplus Sludge
- ⑯ Polymer Stations
- ⑰ ROTAMAT® Disc Thickener RoS 25
- ⑱ Floate Sludge Tank
- ⑲ HUBER ROTAMAT® Screw Press RoS 3
- ⑳ Dewatered Sludge
- ㉑ Compacted Screenings
- ㉒ HUBER ROTAMAT® Screw Conveyor Ro 8

HUBER Solution for Dairies



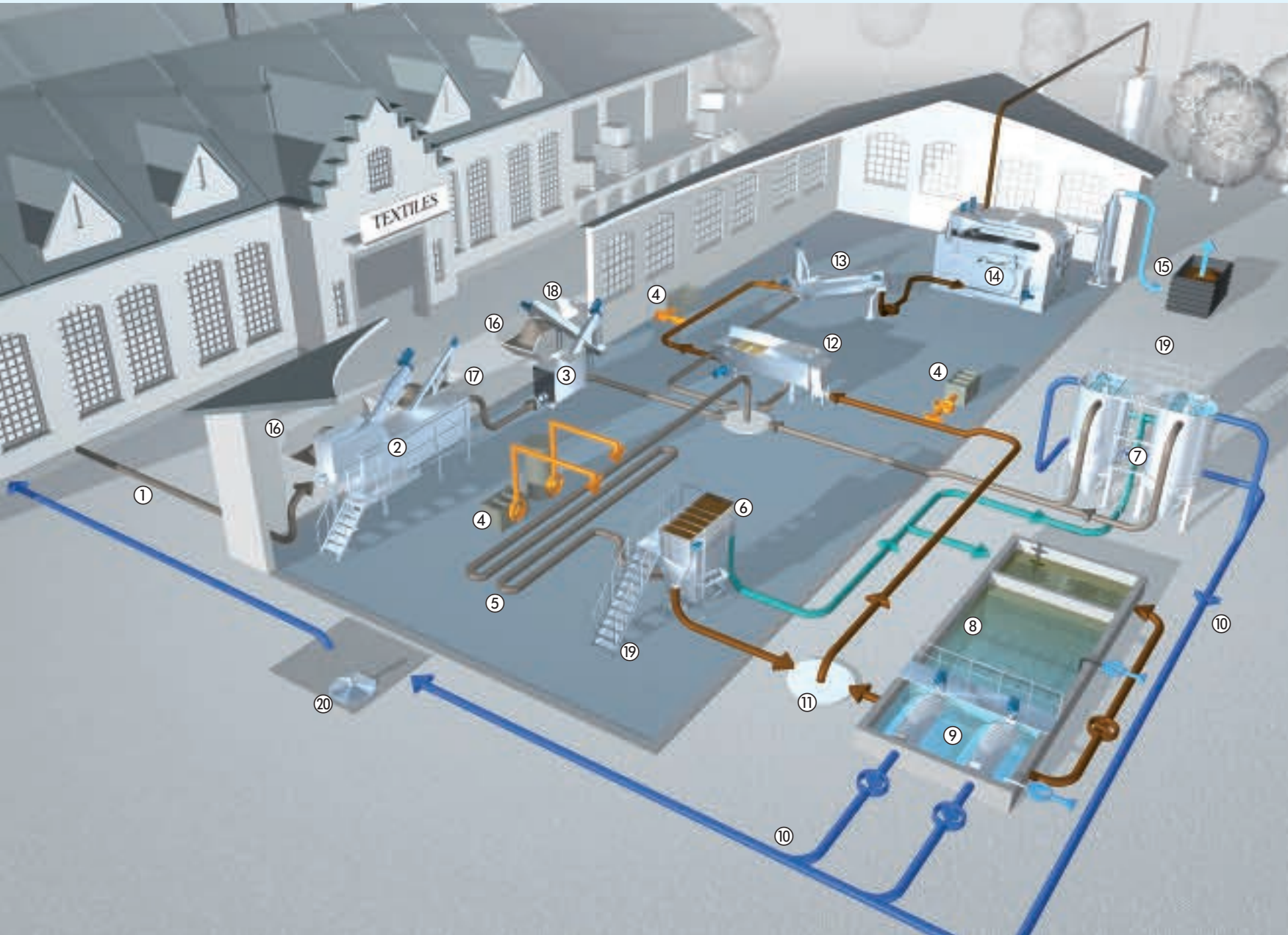
- ① WW from Truck Washing
- ② Circular Grit Trap ROTAMAT® HRSF
- ③+④ COANDA Grit Washer RoSF 4 + Reusable Washed Grit
- ⑤ Production Wastewater
- ⑥+⑦ + HUBER ROTAMAT® Rotary Drum Fine Screen Ro 2 + Compacted Screenings
- ⑧ Mixing and Equalization Tank
- ⑨+⑩ Dosing of Chemicals + Tubular Reactor
- ⑪+⑫ Dissolved Air Flotation (DAF) HUBER HDF + DAF Effluent
- ⑬+⑭ HUBER Membrane Bioreactor + Vacuum Rotation Membranes VRM®
- ⑮ Reusable Effluent
- ⑯ Surplus Sludge Tank
- ⑰ Polymer Stations
- ⑱ HUBER ROTAMAT® Disc Thickener RoS 2S
- ⑲ Flotate Sludge Tank
- ⑳+㉑ HUBER ROTAMAT® Screw Press RoS 3 + Dewatered Sludge
- ㉒ HUBER ROTAMAT® Screw Conveyors Ro 8

HUBER Solution for Breweries and the Beverage Industry



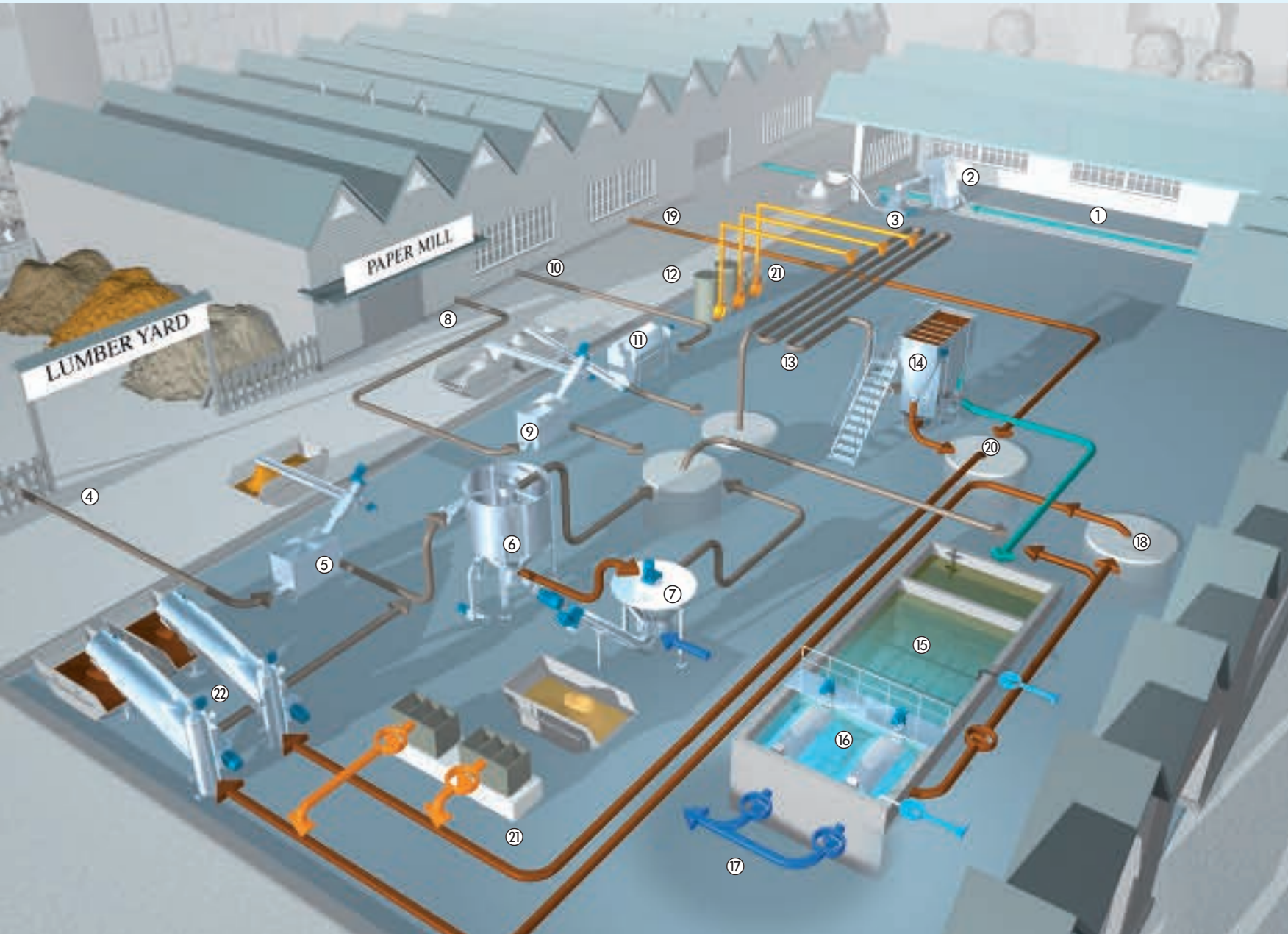
- ① Raw Sewage
- ② ROTAMAT® Micro Strainer Ro 9
- ③ Fine Screening with ROTAMAT® Rotary Drum Screen RoMesh®
- ④ HUBER MBR Plant
- ⑤ HUBER Vacuum Rotation Membrane VRM® Bioreactor
- ⑥ Reusable Service Water
- ⑦ Return and Surplus Sludge
- ⑧ Polymer Stations
- ⑨ Sludge Thickening with ROTAMAT® Disc Thickener RoS 2S
- ⑩ Sludge Dewatering with ROTAMAT® Screw Press RoS 3
- ⑪ Filtrate
- ⑫ Washed and Compacted Screenings
- ⑬ Dewatered Sludge Cake
- ⑭ Screenings Transport with ROTAMAT® Screw Conveyor Ro 8

HUBER Solution for the Textile and Leather Industry



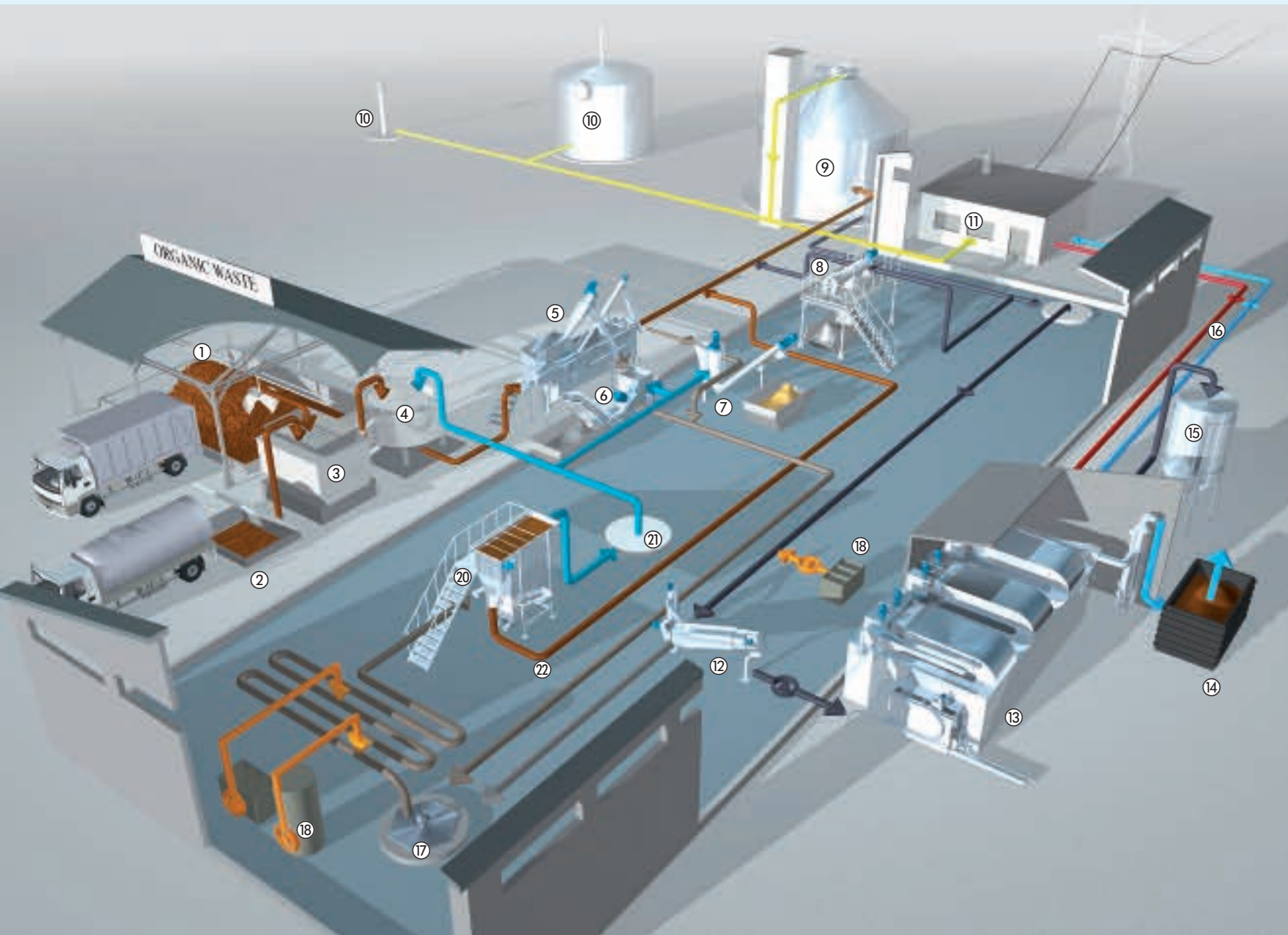
- ① Raw Sewage
- ② ROTAMAT® Complete Plant Ro 5 – Complete Mechanical Treatment
- ③ ROTAMAT® Membrane Screen RoMem – Ultrafine Screening
- ④ Addition of Flocculants / Chemicals
- ⑤ Tubular Reactor
- ⑥ HUBER Dissolved Air Floation Plant HDF
- ⑦ CONTIFLOW® Sandfilter
- ⑧ HUBER MBR Plant
- ⑨ HUBER Vacuum Rotation Membrane VRM® Bioreactor
- ⑩ Service Water
- ⑪ Flotate and Surplus Sludge
- ⑫ HUBER Drainbelt DB – Sludge Thickening
- ⑬ ROTAMAT® Screw Press RoS 3 – Sludge Dewatering
- ⑭ HUBER Belt Dryer BT – Sludge Drying
- ⑮ Exhaust Air Quencher and Biofilter
- ⑯ Screenings
- ⑰ Separated Grit
- ⑱ ROTAMAT® Screw Conveyor Ro 8 – Screenings Transport
- ⑲ HUBER Platform, Stairs, Ladder, Railing
- ⑳ HUBER Stainless Steel Manhole Cover

HUBER Solutions for Paper Mills



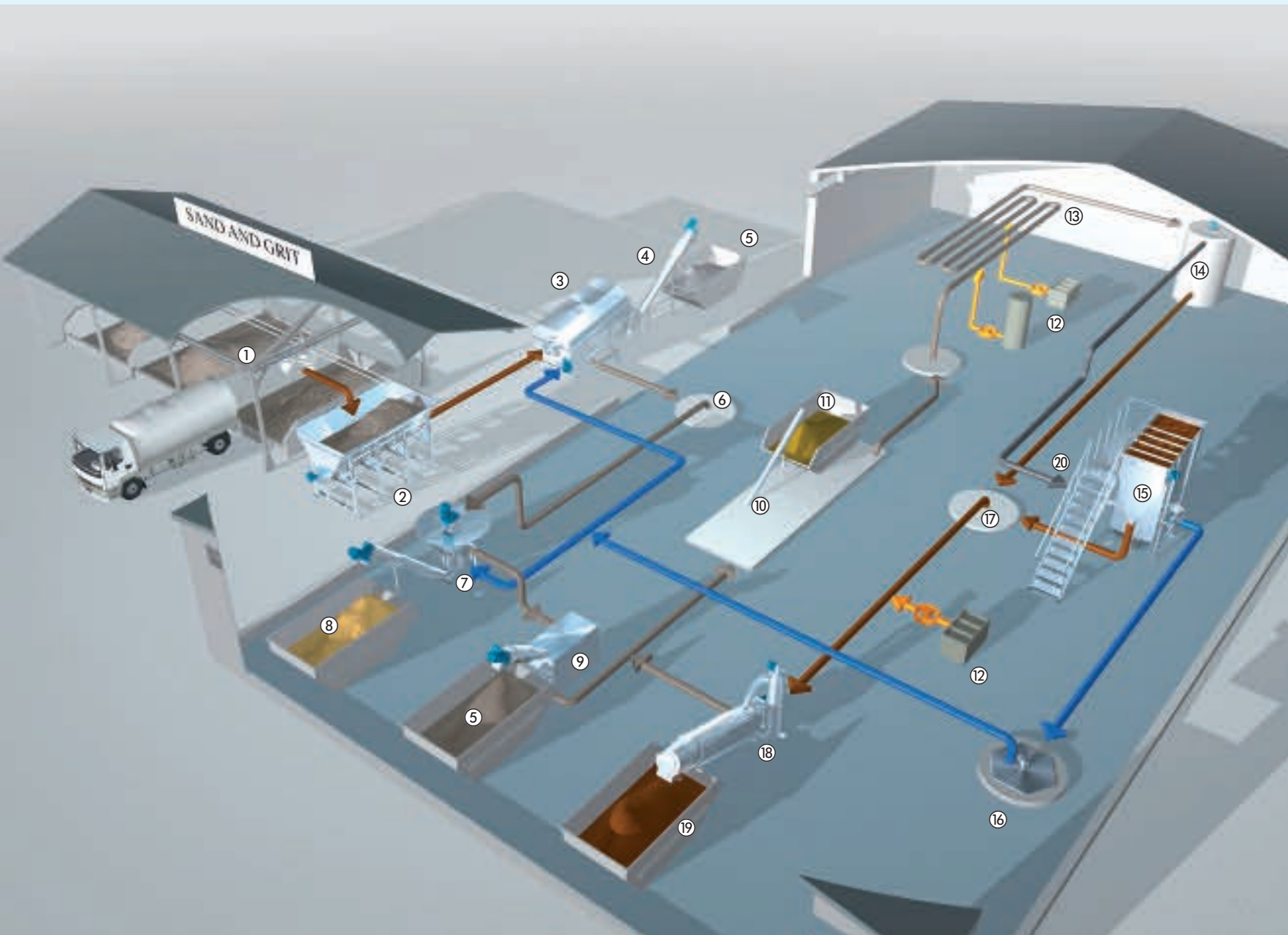
- ① Process Water Inflow
- ②+③ Multi-Rake Bar Screen RakeMax®
+ HUBER Screenings Wash Press WAP
- ④ WW from Lumber Yard
- ⑤ Fine Screen ROTAMAT® Ro 1
- ⑥+⑦ HUBER Circular Grit Trap HRSF
+ COANDA Grit Washer RoSF 4
- ⑧ Highly Polluted WW
- ⑨ HUBER ROTAMAT® Rotary Drum Fine
Screen Ro 2
- ⑩ WW with Paper Fibres
- ⑪ Rotary Drum Screen RoMesh®
- ⑫+⑬+⑭ Dosing of Chemicals + Tubular
Reactor + Dissolved Air Flotation
(DAF) Plant
- ⑮+⑯ HUBER Membrane Bioreactor
(MBR) + Vacuum Rotation Mem-
branes HUBER VRM®
- ⑰ Service Water
- ⑱+⑲+⑳ Surplus Sludge Tank + Fibre
Sludge + Sludge Storage Tank
- ㉑ Polymer Stations
- ㉒ HUBER ROTAMAT® Screw Press RoS 3

HUBER Solutions for Organic Waste Processing



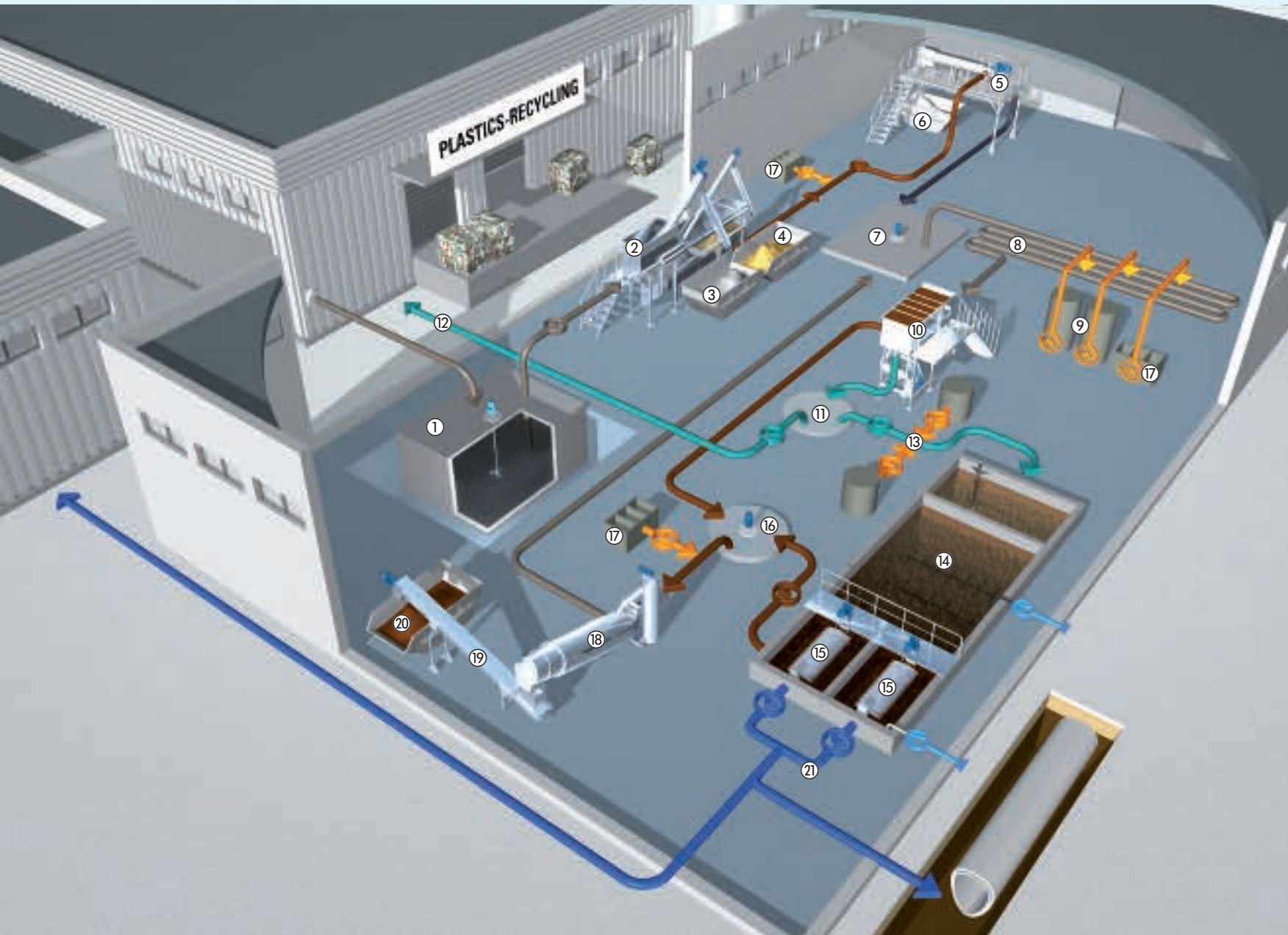
- ①+② Bio-Waste Bunker + Grease Trap Waste Tank with HUBER Cover
- ③ Mill + Metal Recovery
- ④ Pulper
- ⑤ Pre-Treatment Plant: HUBER ROTAMAT® Complete Plant Ro 5
- ⑥ HUBER Screenings Wash Press WAP/SL
- ⑦ HUBER COANDA Grit Washer RoSF 4
- ⑧ STRAINPRESS® Sludgecleaner SP
- ⑨+⑩ Anaerobic Digester + Gas Holder and Flare
- ⑪ Power / Heat Cogen.
- ⑫ HUBER ROTAMAT® Screw Press RoS 3
- ⑬ HUBER Belt Dryer BT
- ⑭+⑮ Biofilter + Dried Sludge Silo
- ⑯ Heat Supply to Dryer
- ⑰ WW Tank with HUBER Cover
- ⑱+⑲+⑳ Dosing of Chemicals + Tubular Reactor + HUBER Dissolved Air Flotation (DAF) Plant
- ㉑ Process Water Tank
- ㉒ Flotate Sludge

HUBER Solutions for Sand and Grit Slurry Treatment



- ① Grit Slurry Bunker
- ② HUBER Storage Tank ROTAMAT® RoSF 7
- ③ HUBER Wash Drum ROTAMAT® RoSF 9
- ④ HUBER Coarse Solids Compactor ROTAMAT® RoSF/XXL
- ⑤ Washed + Compacted Screenings
- ⑥ Polluted Washwater
- ⑦ HUBER COANDA Grit Washer RoSF 4
- ⑧ Reusable Washed Grit
- ⑨ ROTAMAT® Rotary Drum Fine Screen Ro 2
- ⑩ ROTAMAT® Longitudinal Grit Trap Ro 6
- ⑪ Classified Grit
- ⑫+⑬ Dosing of Chemicals + Tubular Reactor
- ⑭ Sludge Sedimentation
- ⑮ HUBER Dissolved Air Flotation (DAF) Plant
- ⑯ Process Water Tank with HUBER Cover
- ⑰ Sludge Tank
- ⑱+⑲ ROTAMAT® Screw Press RoS 3 + Dewatered Sludge
- ⑳ HUBER Stairs and Guardrails

HUBER Solution for the Plastics Industry



- ① Mixing and Equalization Tank for Raw Sewage
- ② ROTAMAT® Complete Plant Ro 5
- ③ Compacted and Dewatered Coarse Material
- ④ Sediments / Grit
- ⑤ STRAINPRESS® Sludgecleaner SP 4
- ⑥ Fibres / Fine Material
- ⑦ Buffer tank
- ⑧ Tubular Reactor
- ⑨ Dosing of Chemicals
- ⑩ HUBER Dissolved Air Flotation (DAF) Plant
- ⑪ Pump Reservoir Process Water / Biology
- ⑫ Return Process Water
- ⑬ Dosing of Nutrients MBR Process
- ⑭ HUBER MBR Plant
- ⑮ Vacuum Rotation Membrane VRM® Bioreactor
- ⑯ Sludge Collection Tank (Flotate / Surplus Sludge from Biological System)
- ⑰ Dosing of Chemicals
- ⑱ ROTAMAT® Screw Press RoS 3
- ⑲ ROTAMAT® Screw Conveyor Ro 8t
- ⑳ Dewatered Sludge
- ㉑ Permeate for Reuse or Discharge

