HUBER TECHNOLOGY
WASTE WATER Solutions

We offer **Solutions Worldwide**

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 consequen-ces 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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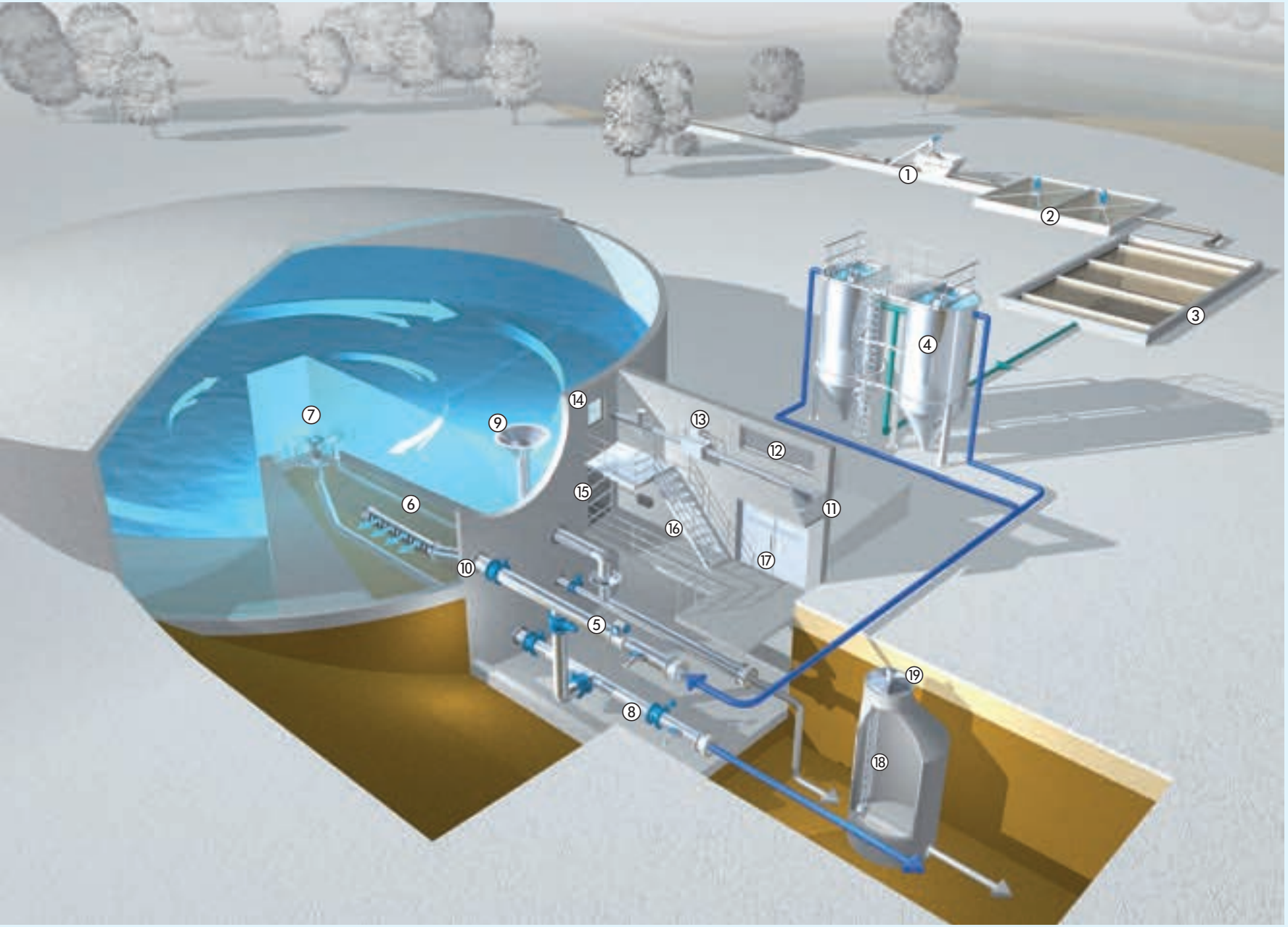
HUBER Solution for Drinking Water Reservoirs



① HUBER Screens / Wastewater Screening

② Precipitation / Flocculation

③ Sedimentation Tank

④ HUBER Sandfilter CONTIFLOW® – 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

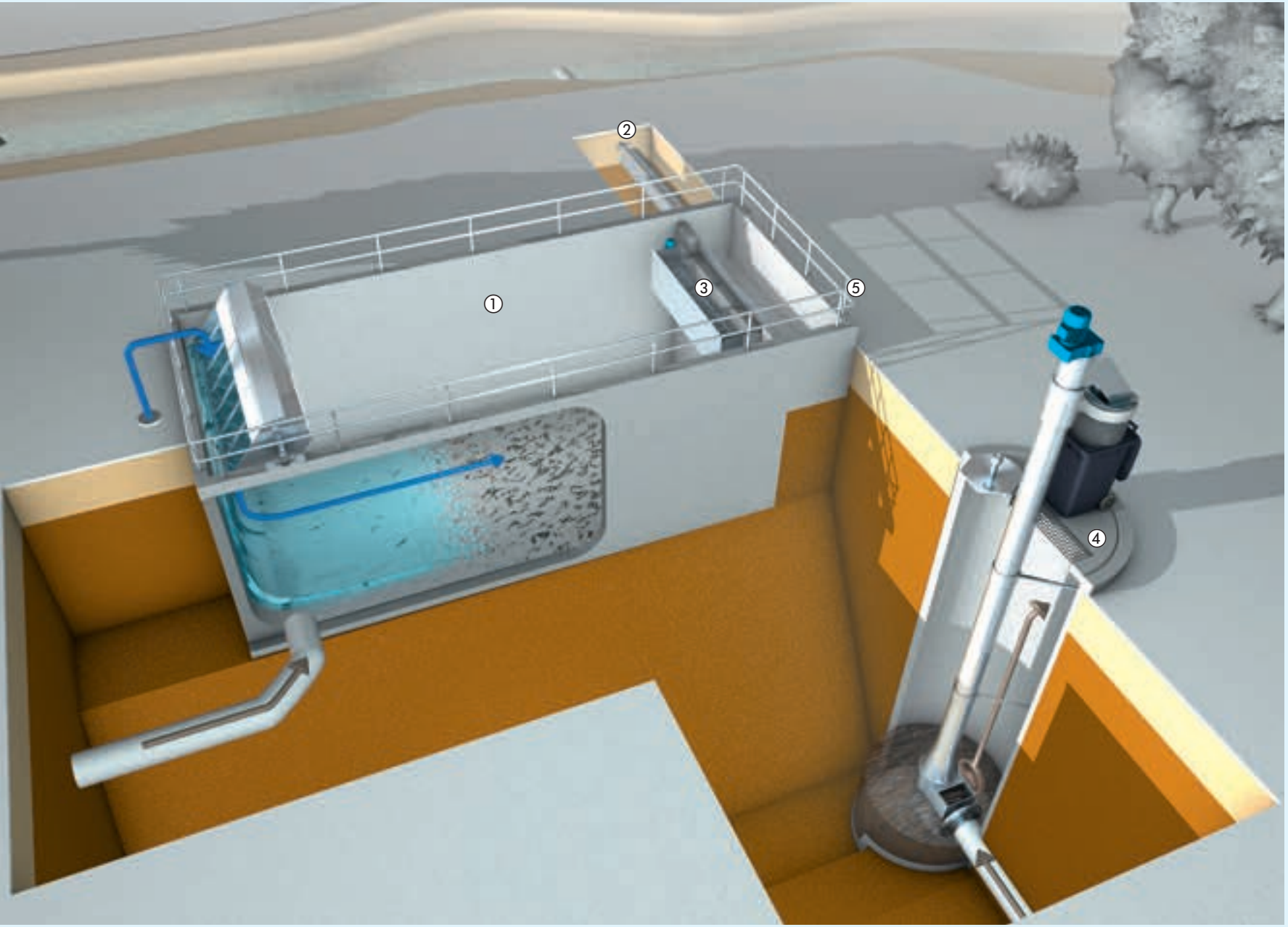
⑮ Pressure-Tight HUBER Stainless Steel Door

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



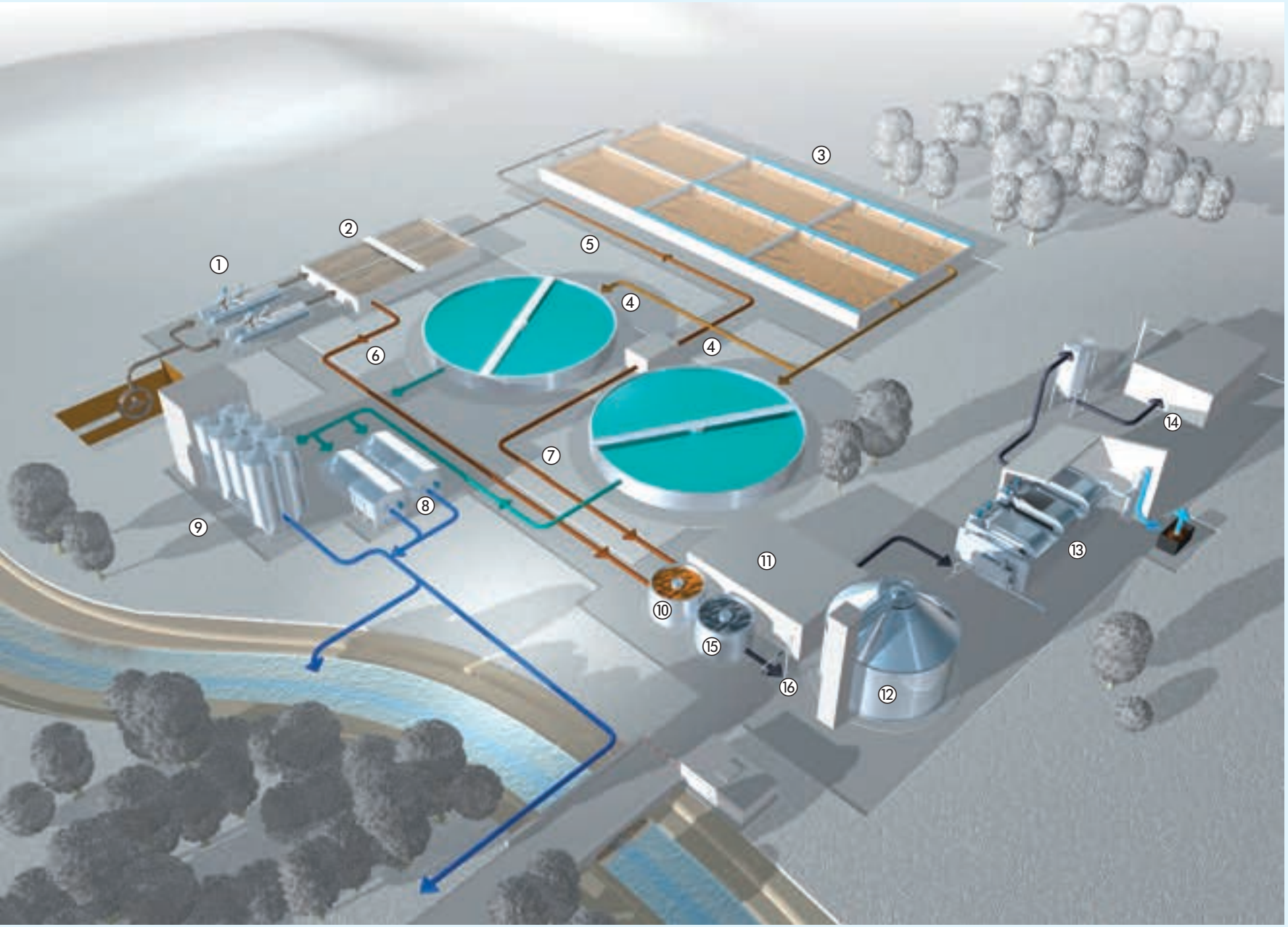
① Storm Water Tank

② Combined Sewer Overflow

③ HUBER Storm Screen RoK2

④ HUBER Pumping Stations Screen ROTAMAT® RoK4

⑤ HUBER Guardrails



① Complete Mechanical Pre-Treatment: HUBER Complete Plant ROTAMAT® Ro5

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 HUBER Disc Filter RoDisc®

⑨ HUBER Sandfilter CONTIFLOW®

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®

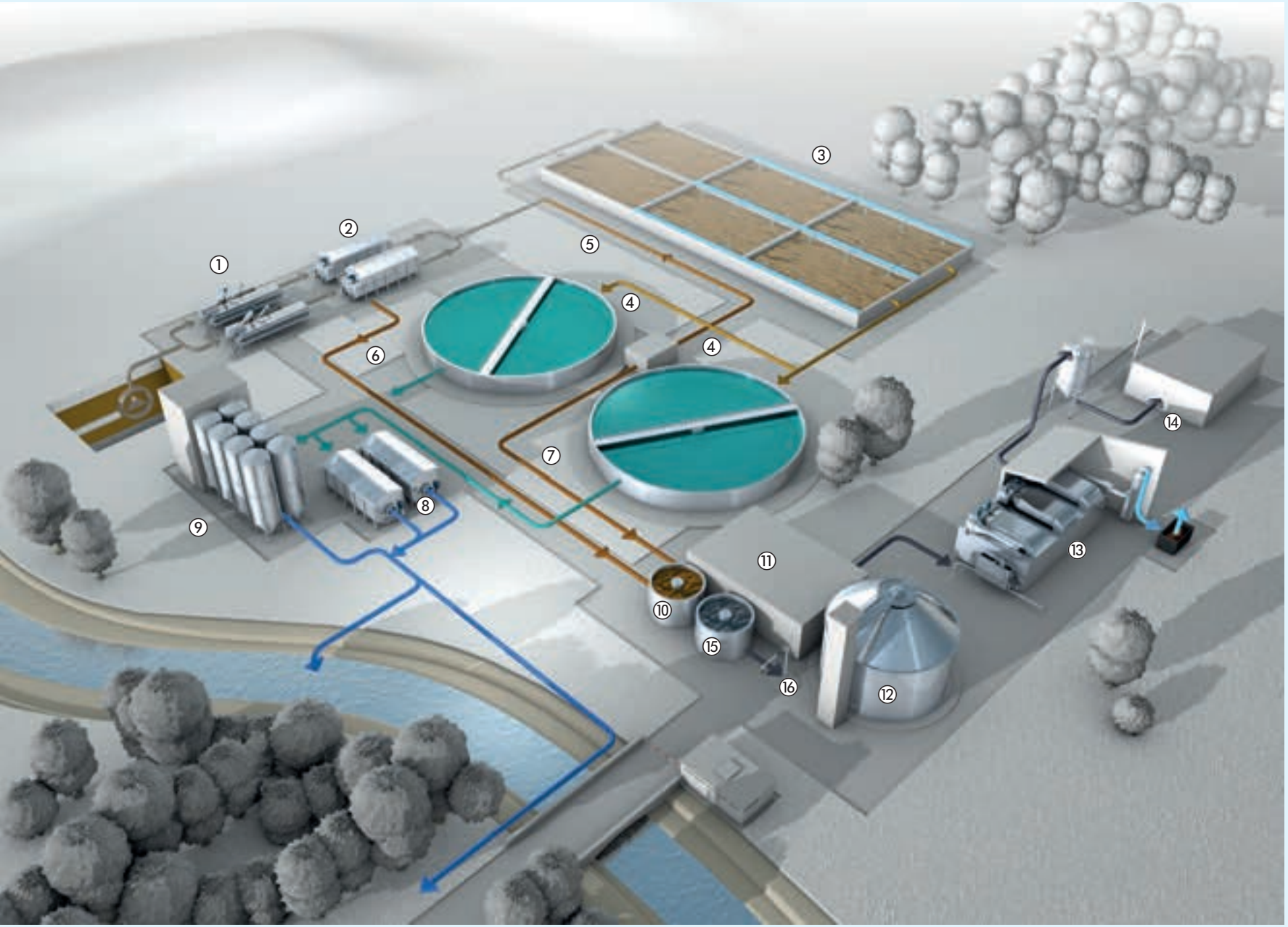
⑮ Post-Thickener with HUBER Stainless Steel Equipment

⑯ HUBER Liquid Sludge Gallow

Not shown in the drawing:

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

HUBER Solutions for Centralized Wastewater Treatment with Fine Screens as Replacement for Primary Settling Tanks



① Complete Plant ROTAMAT® Ro5 for Wastewater Pre-Treatment

② HUBER Drum Screen LIQUID

③ Denitrification and Aeration Tank with HUBER Stainless Steel Equipment

④ Secondary Clarifiers with HUBER Stainless Steel Equipment

⑤+⑥+⑦ Return Sludge + Primary Sludge + Secondary Sludge

⑧ HUBER Disc Filter RoDisc®

⑨ HUBER Sandfilter CONTIFLOW®

⑩ Pre-Thickener with HUBER Stainless Steel Equipment

⑪ Sludge Treatment with HUBER Machines

⑫ Digester

⑬ HUBER Belt Dryer BT

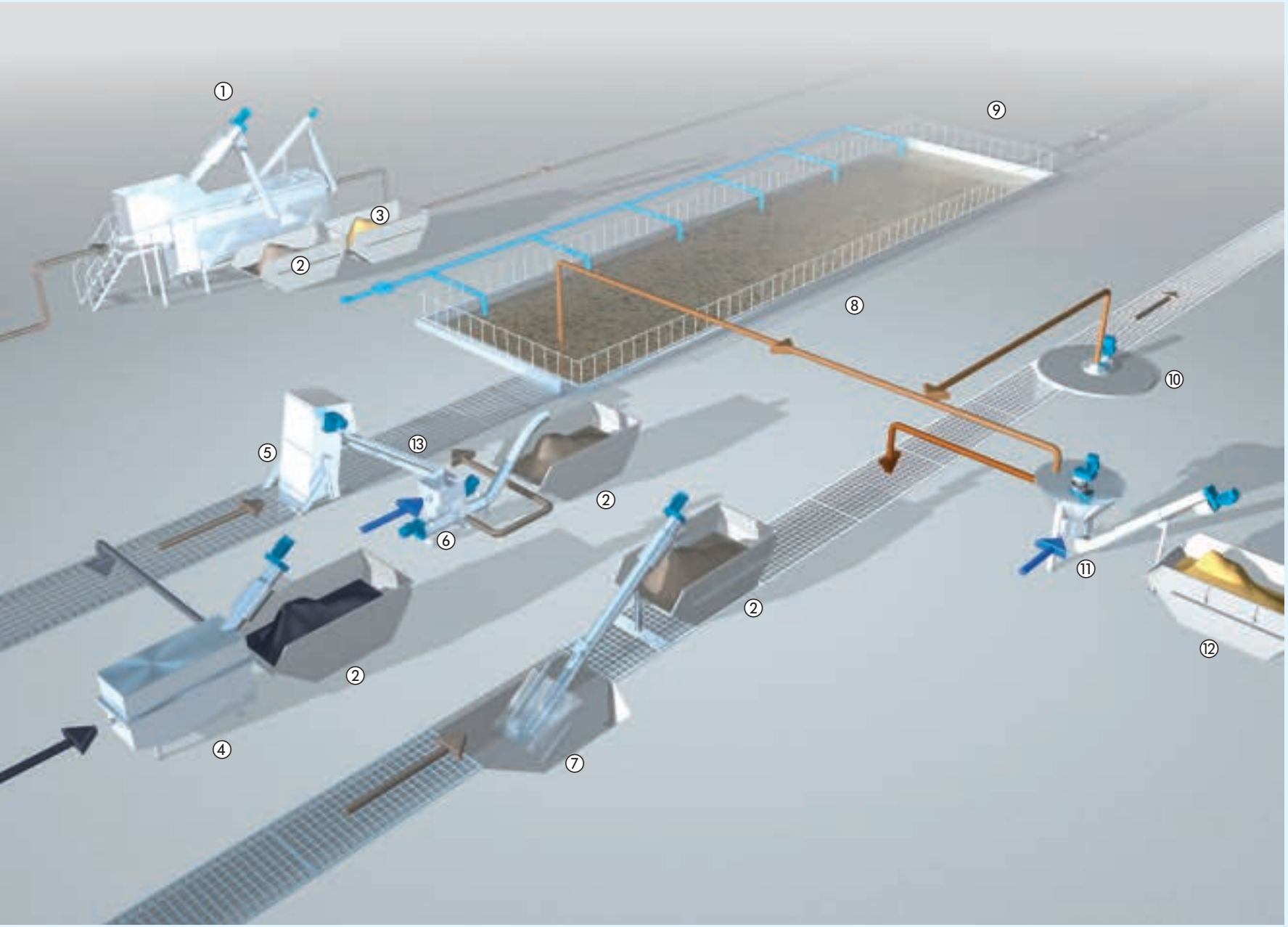
⑭ HUBER Sludge Utilization sludge2energy

⑮ Post-Thickener with HUBER Stainless Steel Equipment

⑯ HUBER Liquid Sludge Gallow

Not shown in the drawing:

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



① HUBER Complete Plant ROTAMAT® Ro5

② Washed and Compacted Screenings

③ Classified Grit

④ Septage Receiving Station: ROTAMAT® Sludge Acceptance Plant Ro3.1

⑤ HUBER Multi-Rake Bar Screen RakeMax®

⑥ HUBER Screenings Wash Press WAP® SL

⑦ HUBER Rotary Drum Fine Screen ROTAMAT® Ro 2

⑧ Aerated Grit Channel with HUBER Stainless Steel Equipment

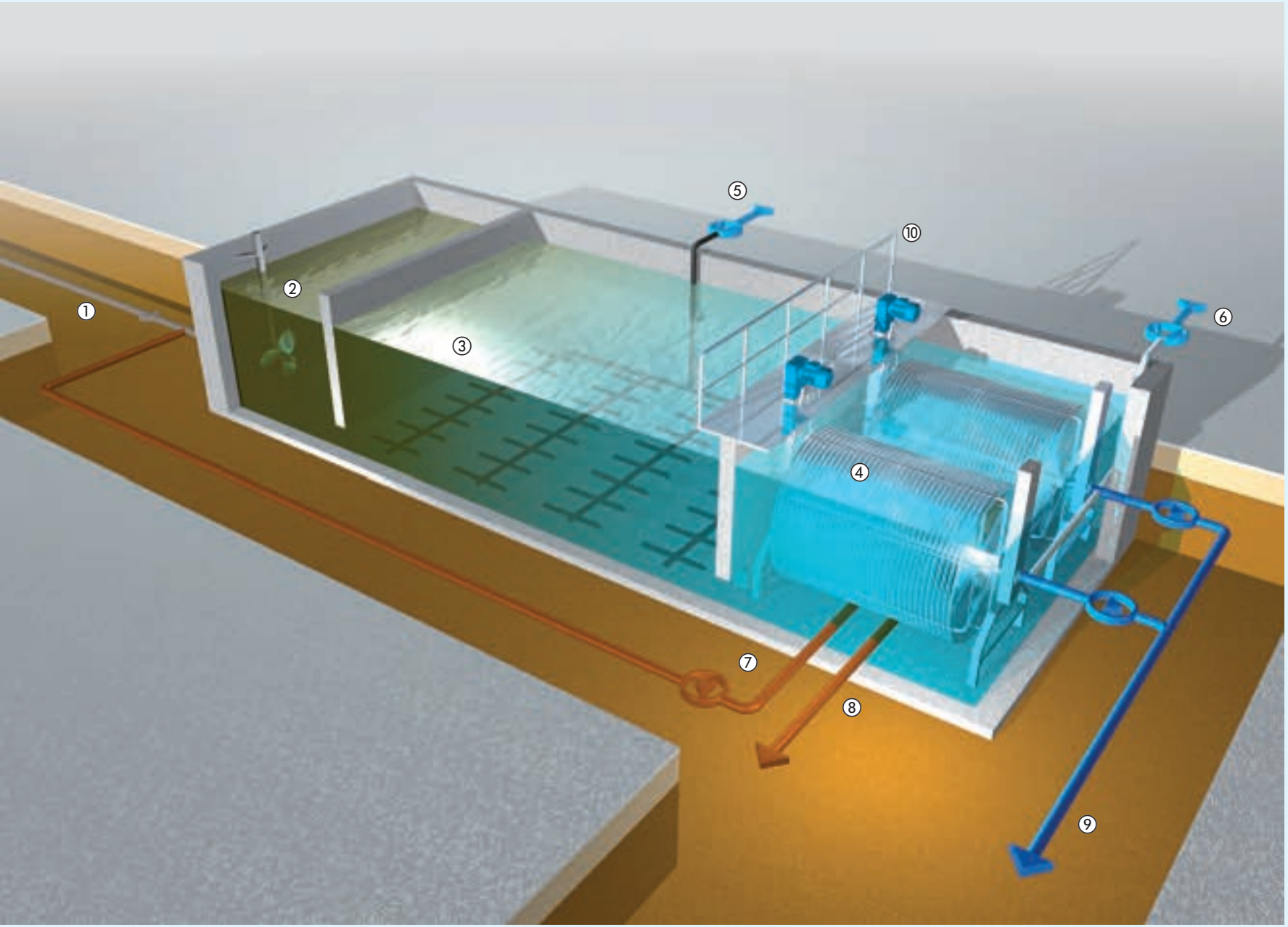
⑨ HUBER Guardrails

⑩ HUBER Vortex Grit Chamber VORMAX

⑪ HUBER Coanda Grit Washer RoSF4

⑫ Washed and Dewatered Grit for Reuse

⑬ ROTAMAT® Screw Conveyor Ro8



① Wastewater Inflow

② Denitrification Tank with Propeller Mixer

③ Aeration Tank with Air Diffusers (Pressure or Surface Aeration)

④ HUBER Membrane Filtration VRM® in Filtration Tank

⑤ Aeration Blower

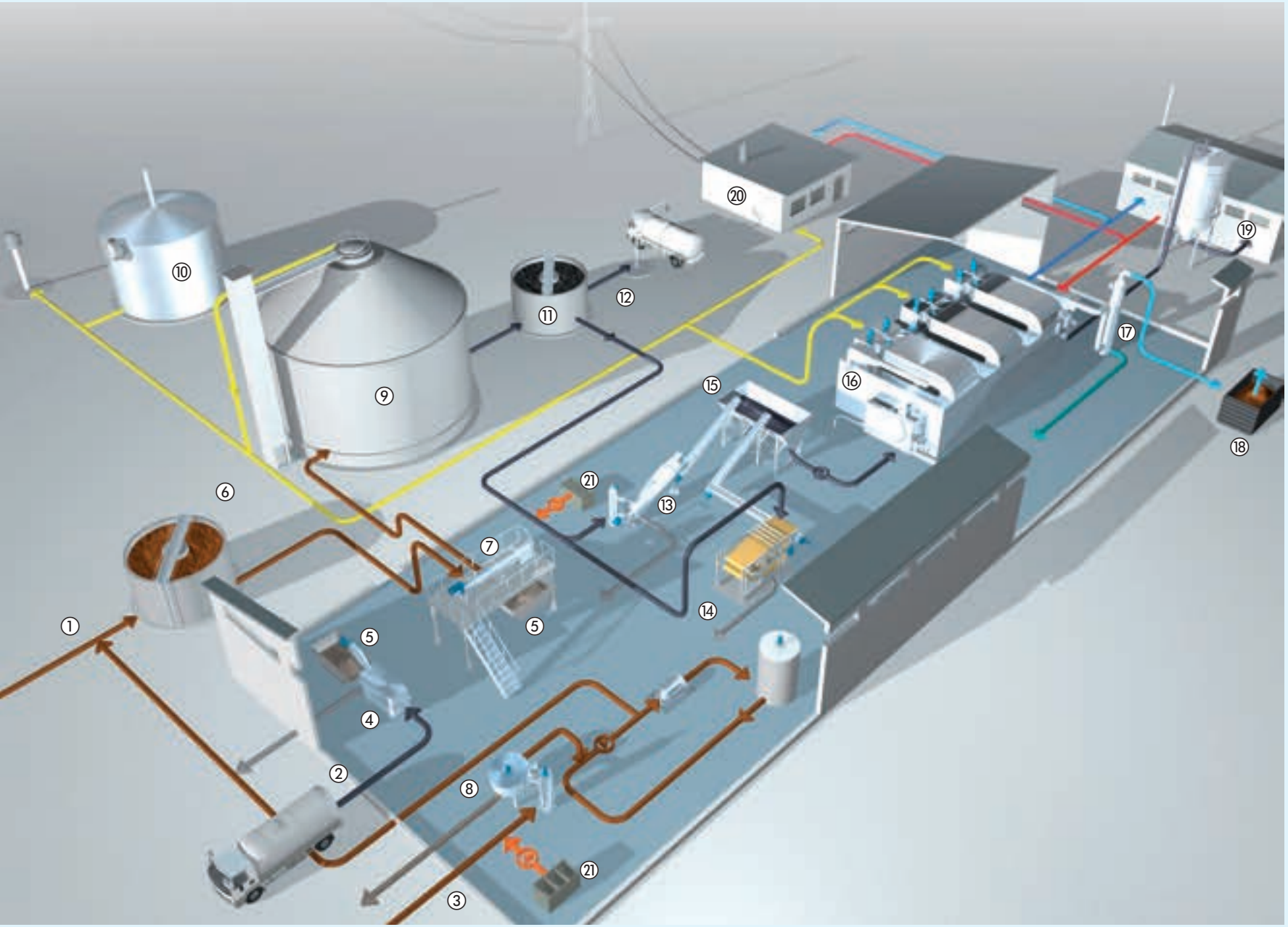
⑥ Scouring Air Blower

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



①+②+③ Primary Sludge + Septic Sludge + Secondary Sludge

④ Septage Receiving Station: HUBER Sludge Acceptance Plant ROTAMAT® Ro3.1

⑤ Screenings

⑥ Pre-Thickener

⑦ HUBER Sludgecleaner STRAINPRESS®

⑧ HUBER Disc Thickener S-DISC

⑨+⑩ Digestor + Gas Holder

⑪ Post-Thickener

⑫ HUBER Sludge Gallow

⑬ HUBER Screw Press Q-PRESS®

⑭ HUBER Bogenpress B-PRESS

⑮ HUBER Screw Conveyors Ro8 and Storage Tank RoSF7

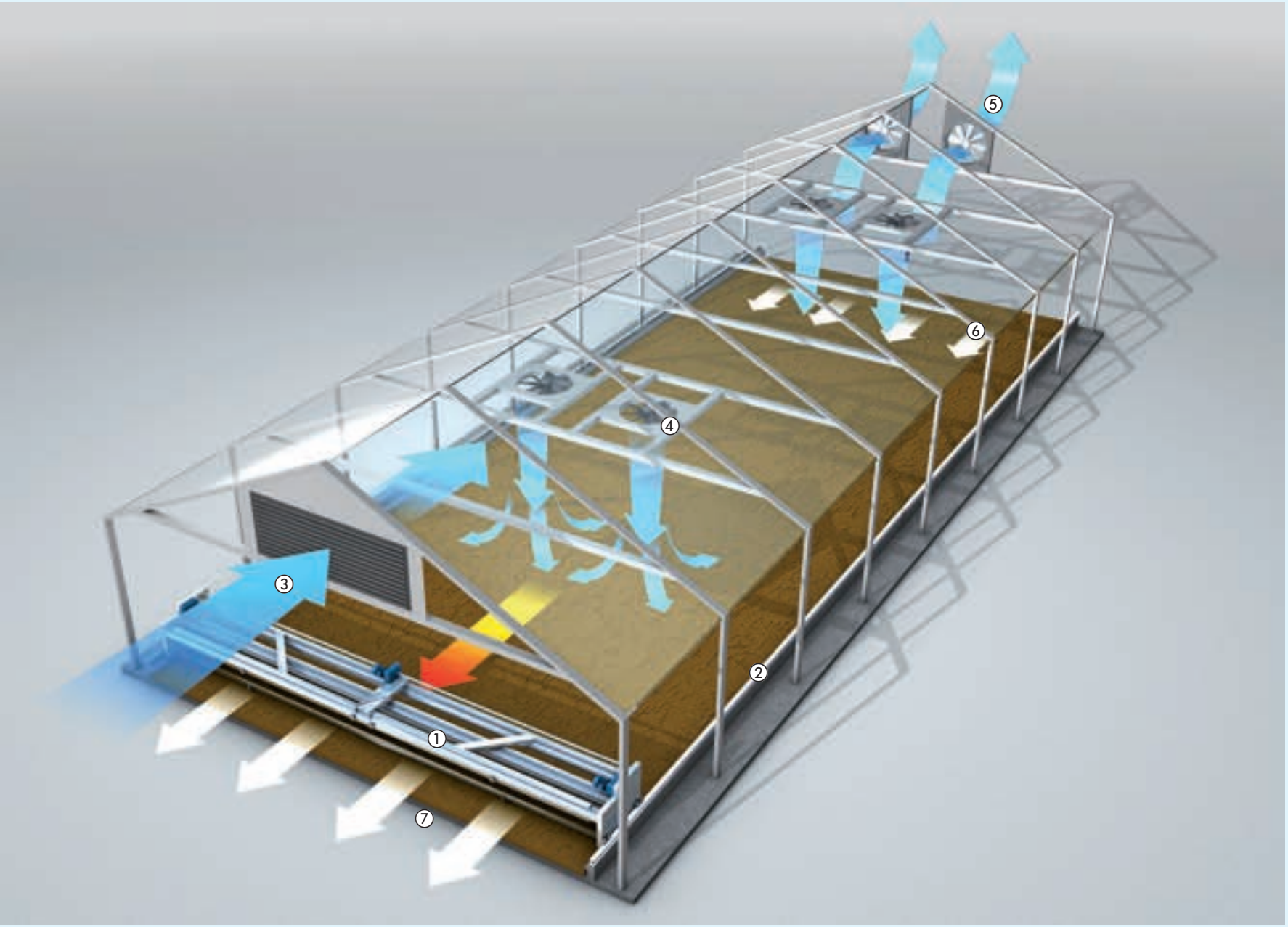
⑯ HUBER Belt Dryer BT

⑰+⑱ Quencher + Biofilter

⑲ HUBER sludge2energy System for Sludge Utilisation

⑳ Power/Heat Cogen.

㉑ Polymer Stations



① HUBER Sludge Turner SOLSTICE®, 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

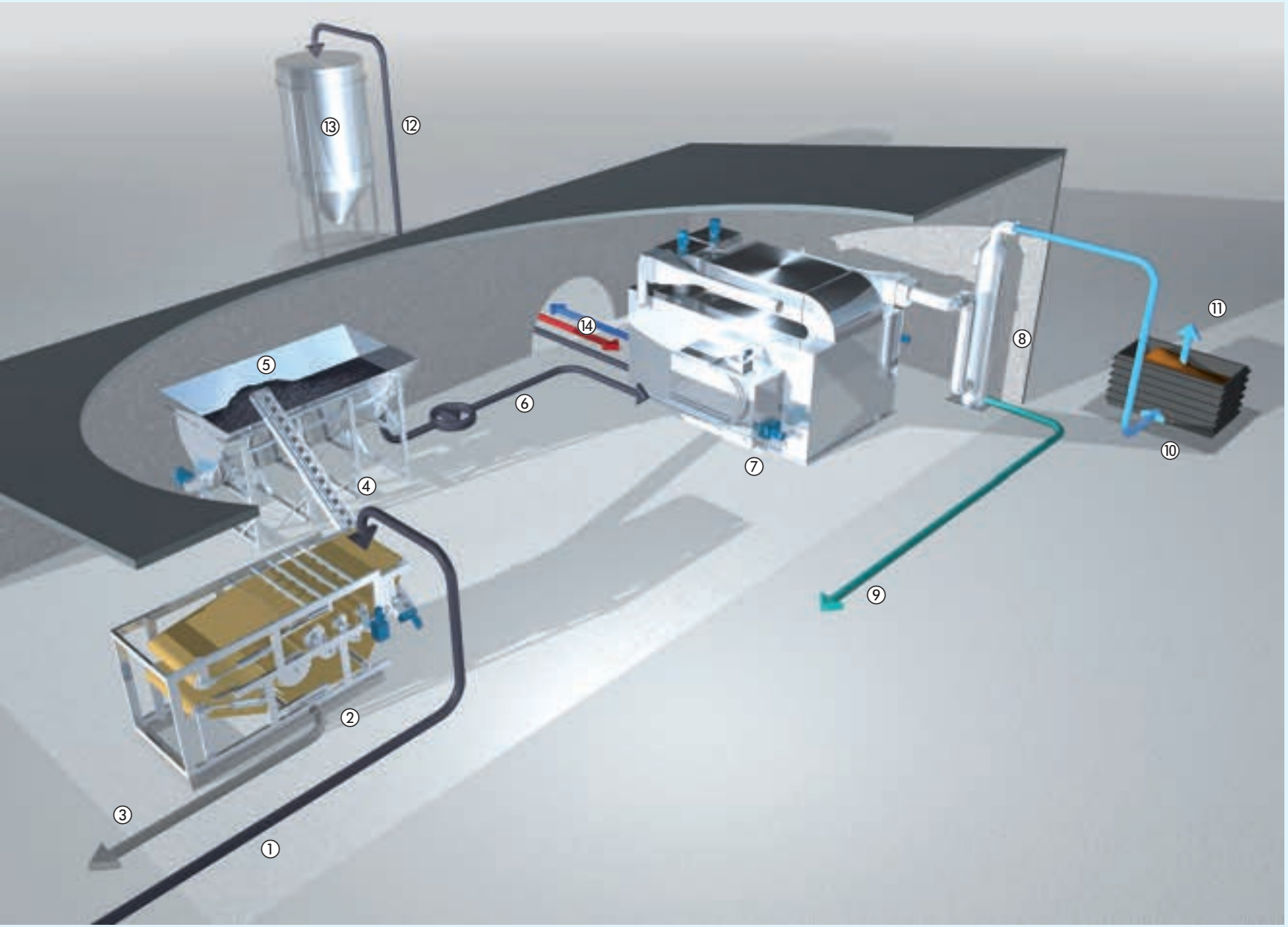
⑤ Ventilators, Optionally Available as Ridge Flaps

⑥ Wet Sludge Feed

⑦ Dry Granulate Removal

HUBER Solar Dryer with Underfloor Heating: See Page 32 – 33.

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



① Liquid Sludge

② Belt Filter Press HUBER Bogenpress B-PRESS - other Sludge Dewatering Machines can also be used , e.g. our HUBER Screw Press Q-PRESS®

③ Filtrate Return to Wastewater Treatment

④ HUBER Screw Conveyor Ro8

⑤ Storage Tank with Bottom Screw HUBER Grit Dosing Screw RoSF7

⑥ Dewatered Sludge to Dryer

⑦ HUBER Belt Dryer BT

⑧ Quencher

⑨ Condensate Return to Wastewater Treatment

⑩ Biofilter for Exhaust Air Deodorization

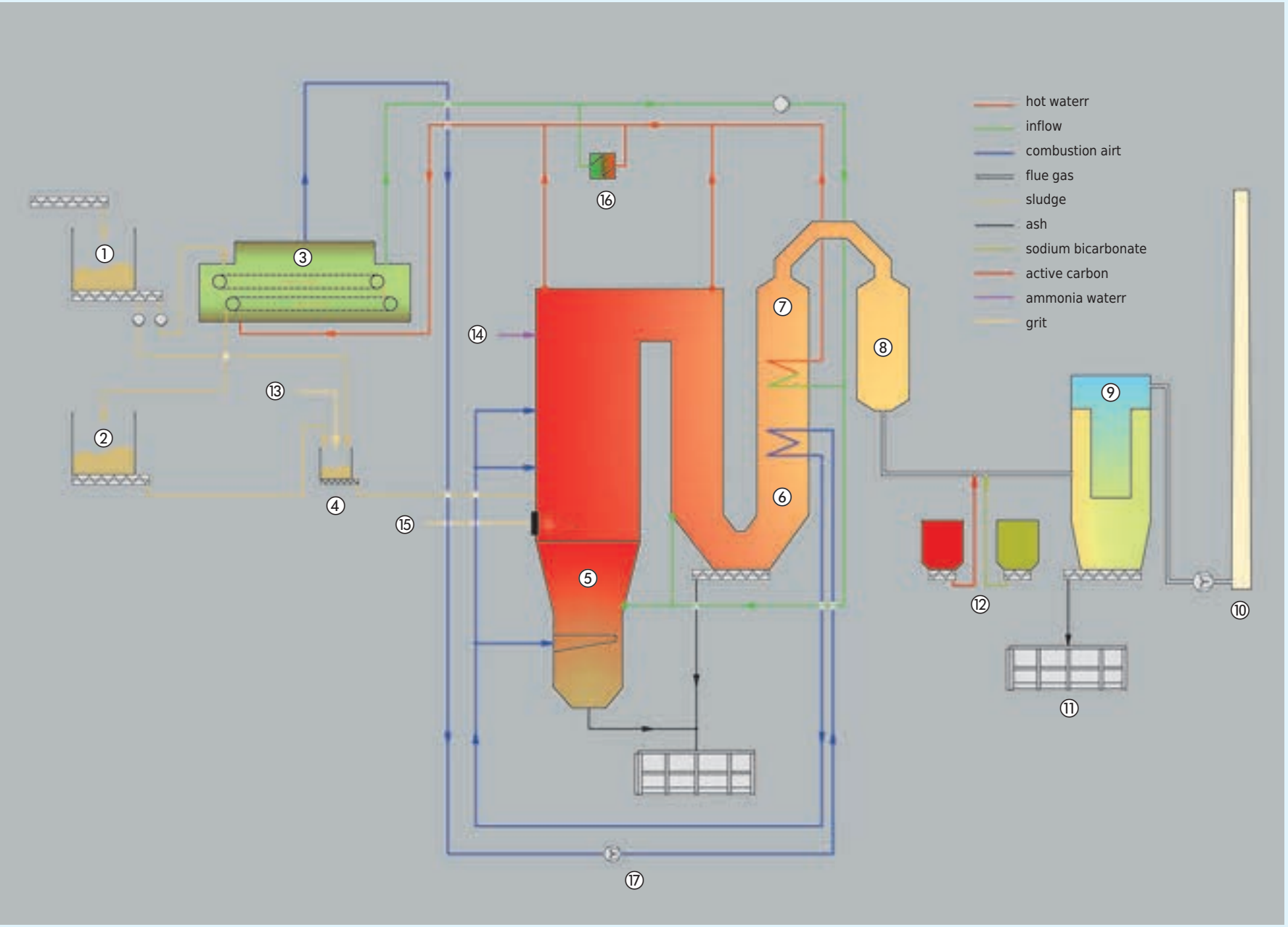
⑪ Low-Odour Exhaust Air

⑫ Bucket Conveyor for Dried Sludge

⑬ Dry Sludge Silo

⑭ Hot Water Supply for Heating (e.g. Block Heat and Power Plant)

HUBER Solution for Thermal Sewage Sludge Utilisation on Site: HUBER sludge2energy



① Sludge Storage Tank (Wet)

② Sludge Storage Tank (Dry)

③ Belt Dryer

④ Mixer and Conveyor

⑤ Fluidized Bed Reactor

⑥ Combustion Air Pre-Heater

⑦ Hot Water Boiler

⑧ Reserve for Heat Exchanger

⑨ Fabric Filter

⑩ Chimney

⑪ Ash Containers / Silos

⑫ Sodium Bicarbonate, Activated Carbon, Dosing

⑬ Grit

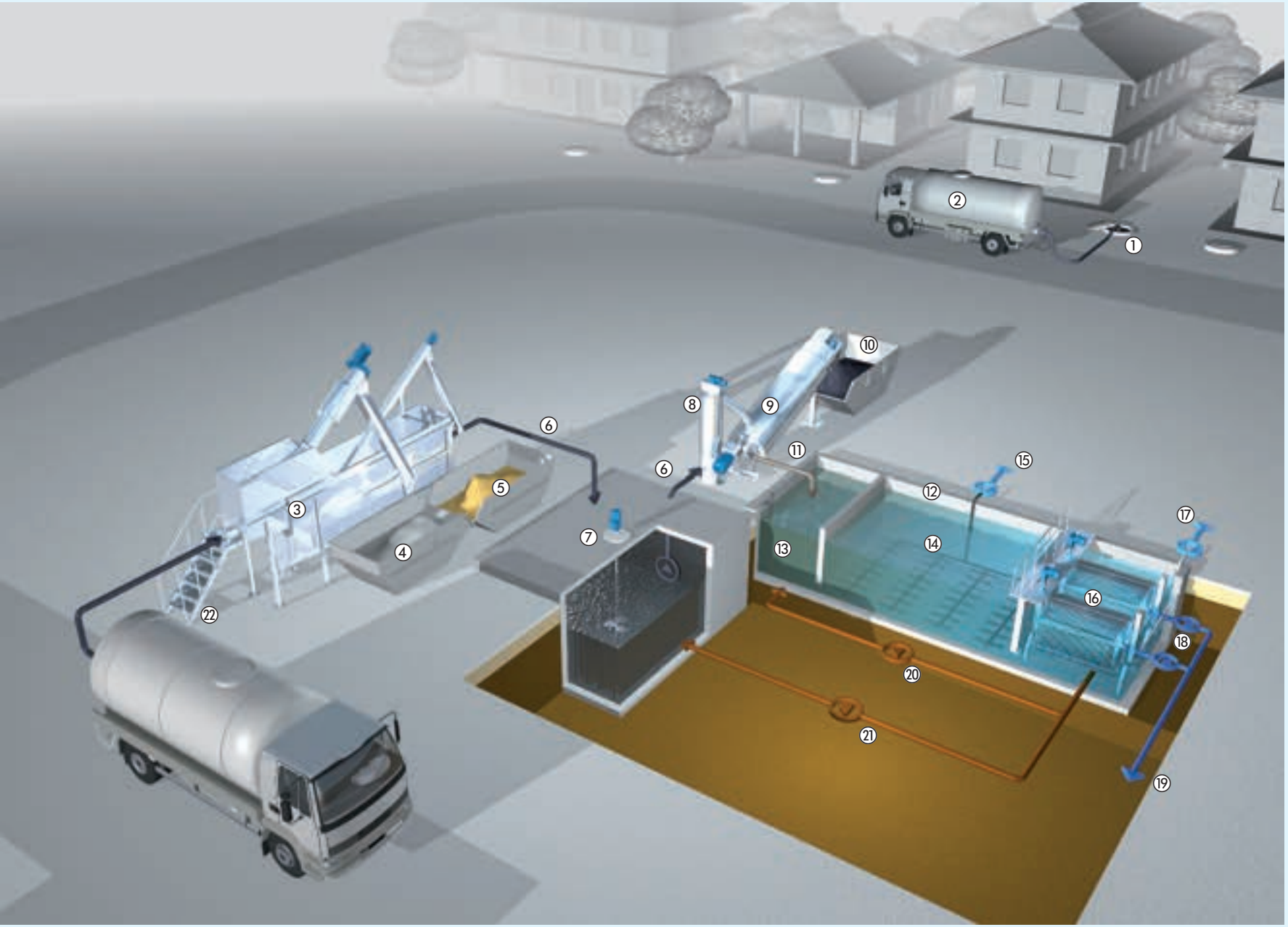
⑭ Ammonia Water

⑮ Natural Gas

⑯ Heat Exchanger

⑰ Combustion Blower

HUBER Solution for Septic Sludge Treatment



① Septic Tanks

② Sludge Collection Vehicle

③ HUBER Sludge Acceptance Plant ROTAMAT® Ro3.3

④+⑤ Washed and Compacted Screenings + Classified Grit

⑥ Pre-Treated Septic Sludge

⑦ Septic Sludge Storage Tank

⑧+⑨ Flocculation Reactor + HUBER Screw Press S-PRESS

⑩ Dewatered Septic Sludge

⑪ Filtrate

⑫ HUBER MBR Plant

⑬ Denitrification Tank with Stirrer

⑭+⑮ Aeration tank with Pressure Aeration

⑯ HUBER Membrane Filtration VRM®

⑰ Scouring Blower

⑱ Permeate Pumps

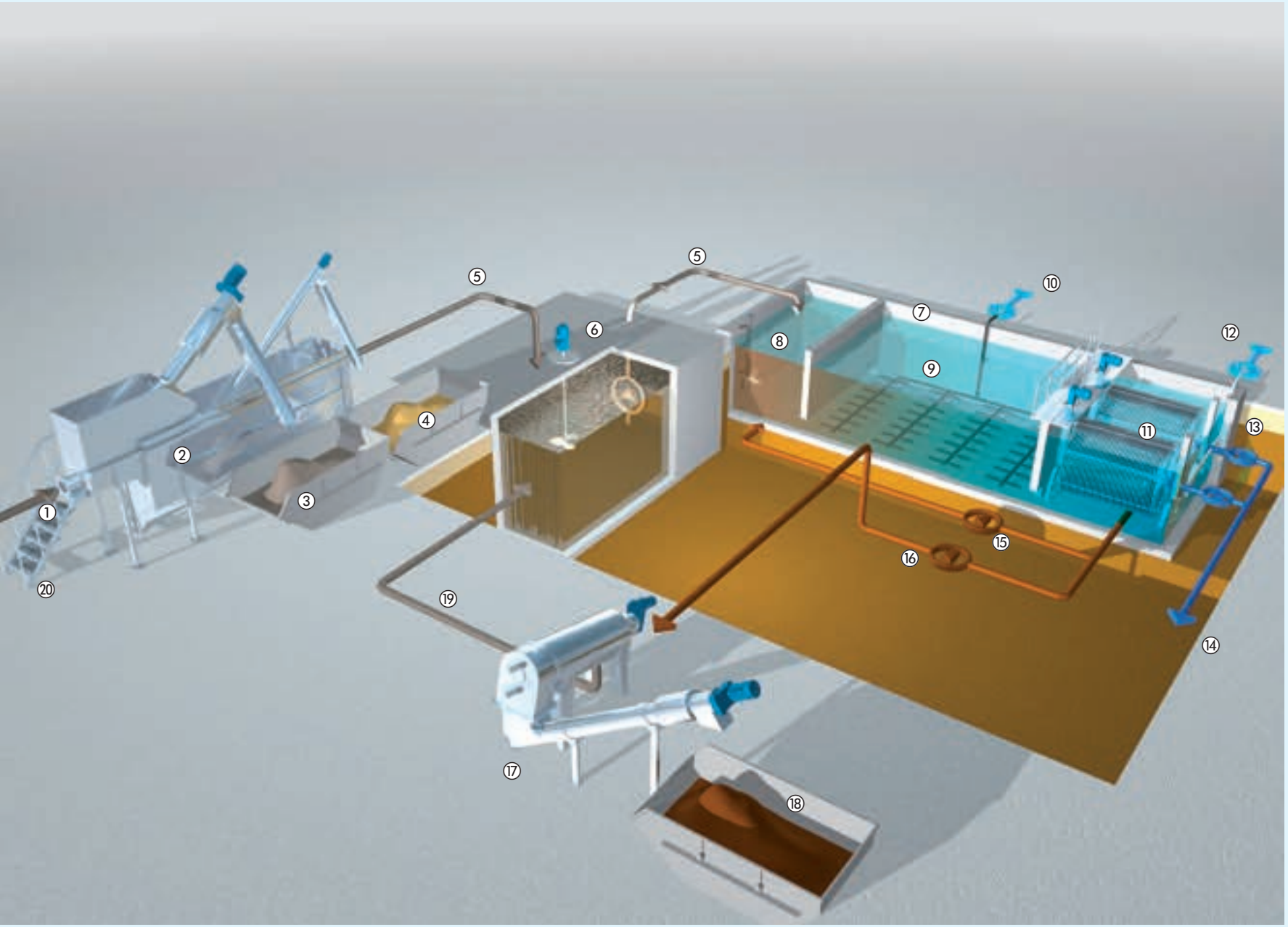
⑲ Treated, Disinfected Effluent (Permeate), e.g. for Irrigation

⑳ Return Sludge

㉑ Surplus Sludge

㉒ HUBER Stairs and Railing

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



① Wastewater Inflow

② Pre-Treatment Plant:
HUBER Complete Plant ROTAMAT® Ro5

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 Diffusors

⑩ Aeration Air Blower

⑪ HUBER Membrane Filtration VRM®

⑫ Scouring Air Blowers

⑬ Permeate Pumps

⑭ Clean, Disinfected and Reusable
Permeate Effluent

⑮ Return Sludge

⑯ Surplus Sludge

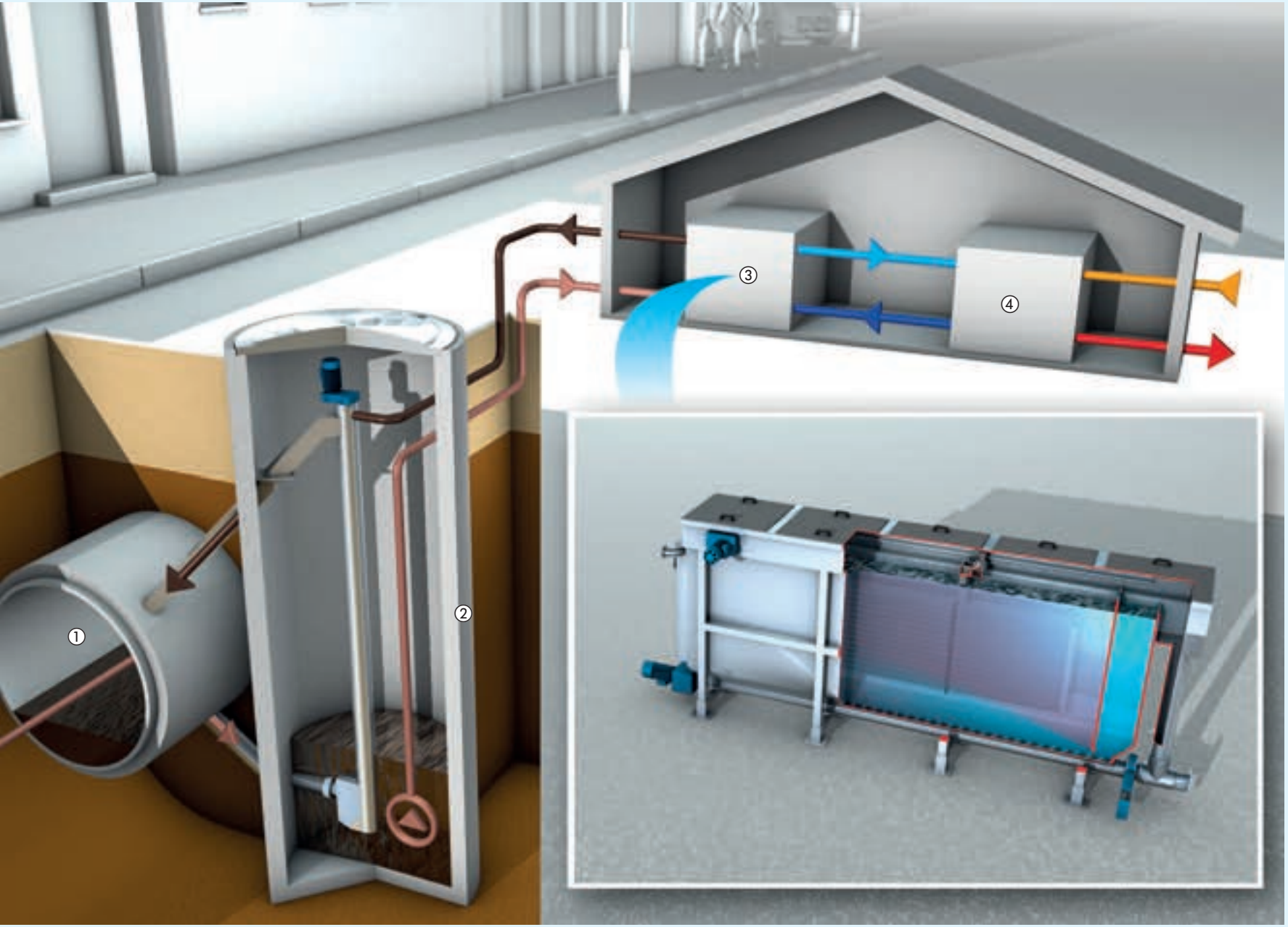
⑰ HUBER Screw Press Q-PRESS®

⑱ Dewatered Sludge

⑲ Filtrate

⑳ HUBER Stair and Catwalk

HUBER ThermWin® Solution for Heat Recovery from Sewage



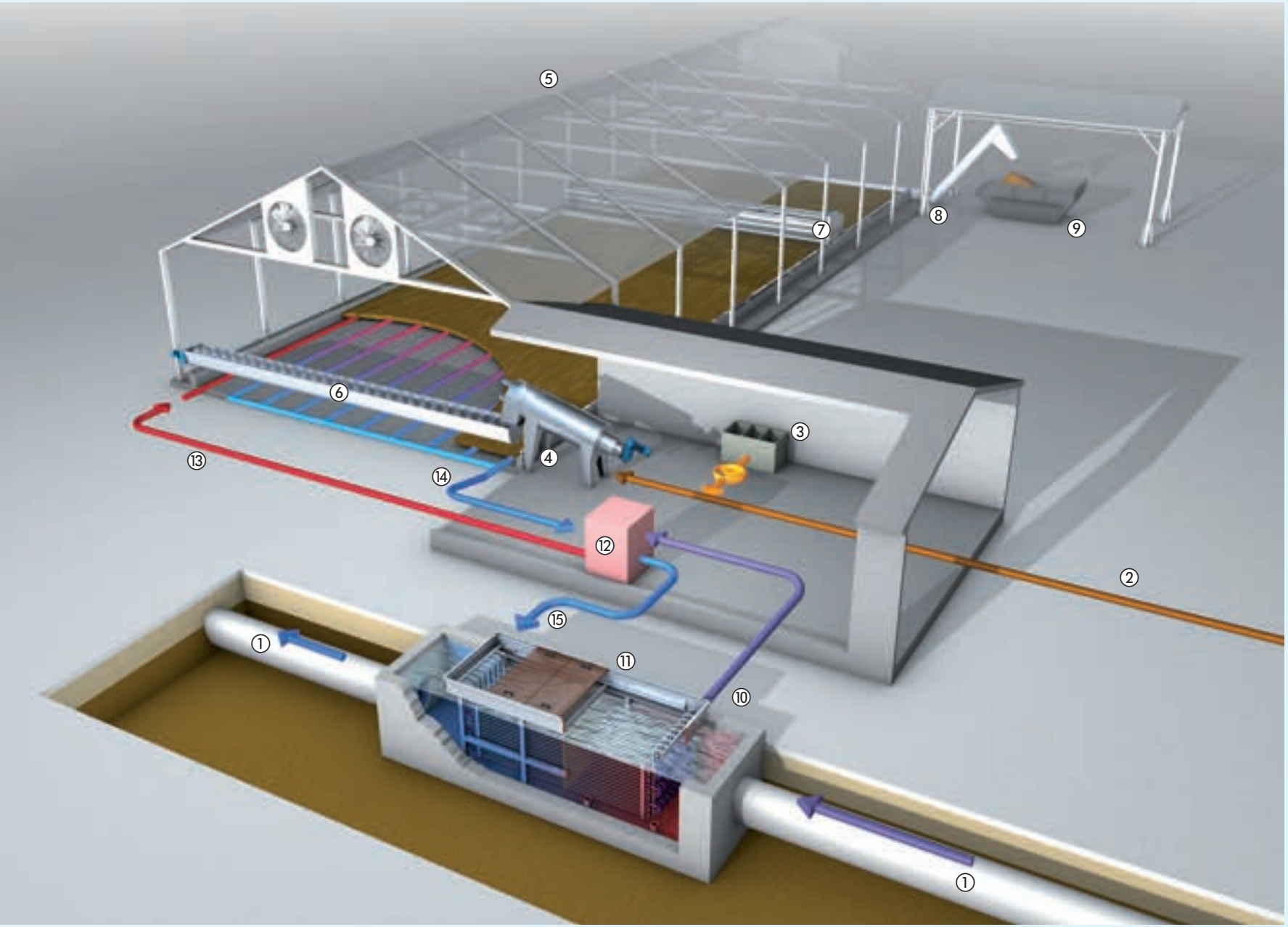
① Sewer

② Sewage Shaft with HUBER Pumping Stations Screen ROTAMAT® RoK4 and Delivery Pump

③ HUBER Wastewater Heat Exchanger RoWin

④ 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 HUBER Screw Press Q-PRESS®

⑤ HUBER Solar Active Dryer SRT with Greenhouse

⑥ HUBER Distribution Screw for Dewatered Sludge

⑦ HUBER Sludge Turner SOLSTICE®

⑧ HUBER Screw Conveyor Ro8

⑨ Dried Sludge Product to Incineration

⑩ Flow to Heat Pump

⑪ HUBER Heat Exchanger RoWin B

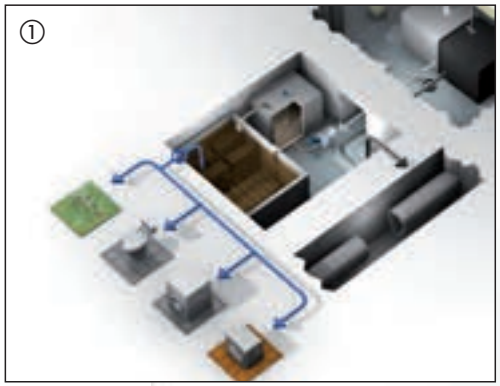
⑫ Heat Pump

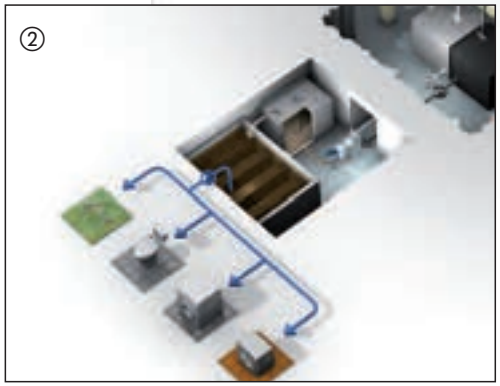
⑬ Warm Water for Underfloor Heating

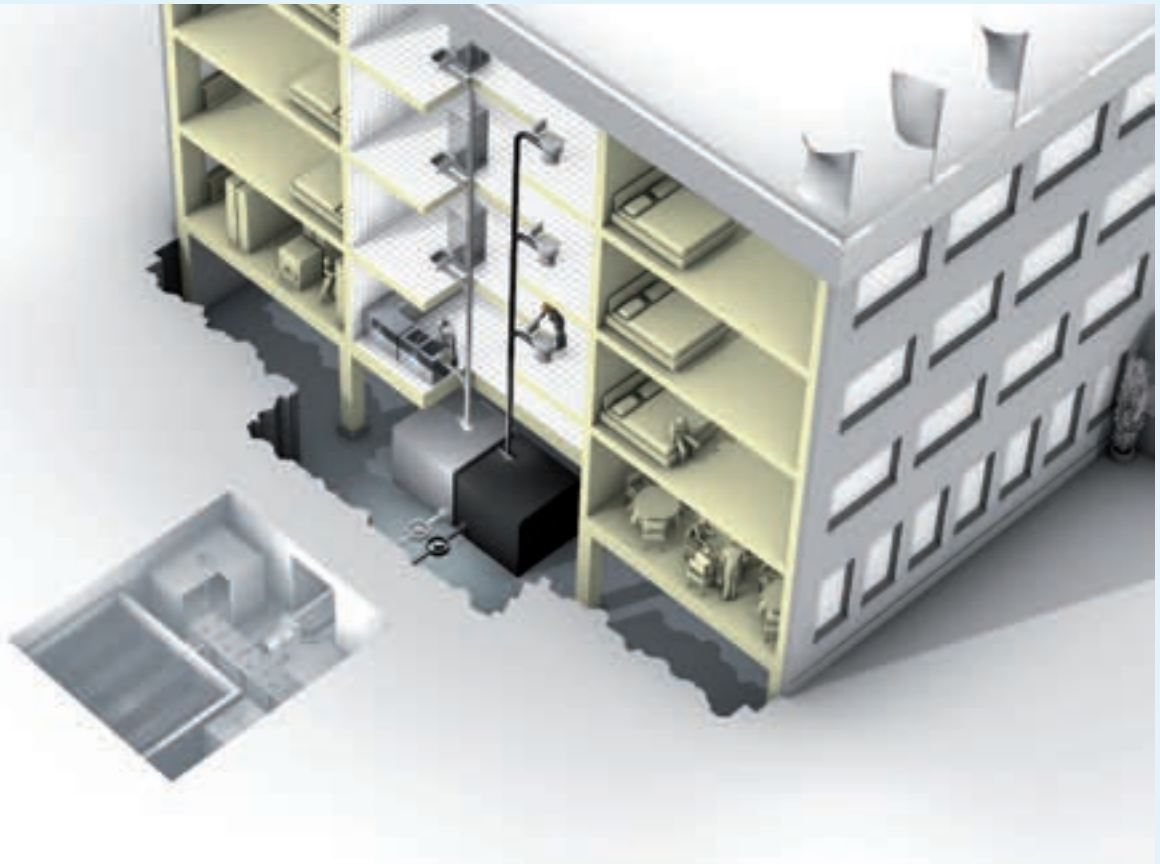
⑭ Cooled Water Return to Heat Pump

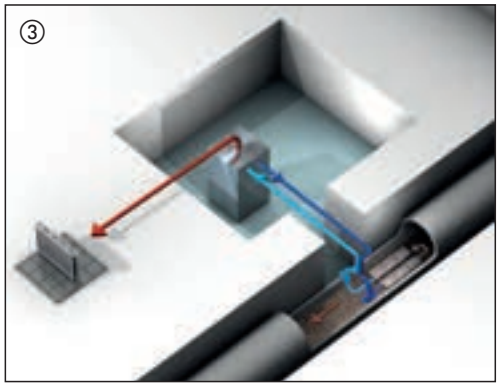
⑮ Water Return to HUBER Heat Exchanger RoWin B

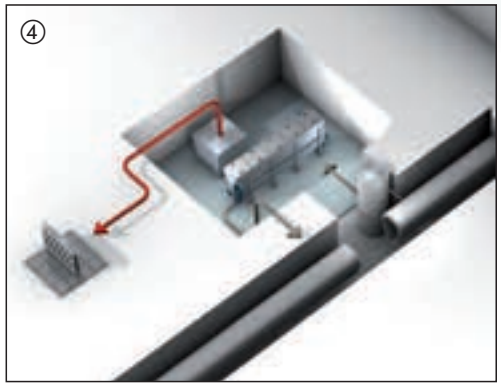
HUBER Solution for Water Reuse and Heat Recovery

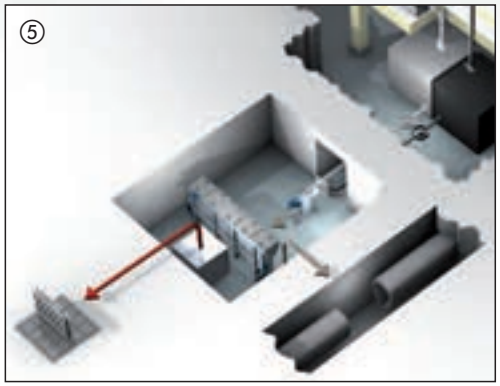












① Solution 1:
Greywater Treatment
HUBER GreyUse®

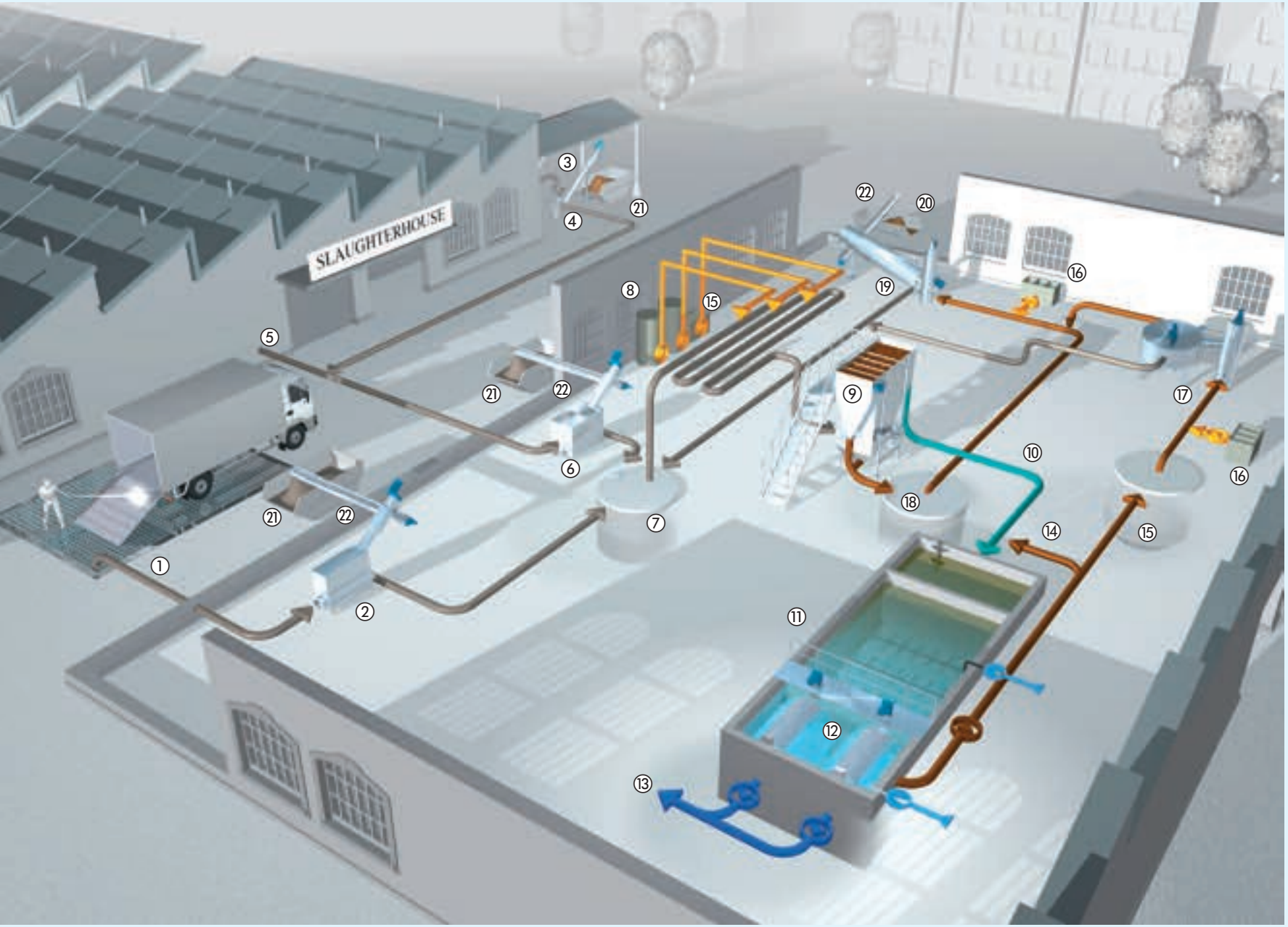
② Solution 2:
HUBER Combined Water Treatment

③ Solution 3:
HUBER TubeWin Heat Exchanger

④ Solution 4:
Heat Recovery from Sewers
HUBER ThermWin®

⑤ Solution 5:
Heat from Wastewater
HUBER Heat Exchanger RoWin

HUBER Solution for Slaughterhouses and the Meat Pocessing Industry



① WW from Truck Washing

② HUBER Micro Strainer ROTAMAT® Ro9

③ Paunch Contents

④ HUBER Screenings Compactor Ro7

⑤ Production Wastewater

⑥ HUBER Rotary Drum Fine Screen ROTAMAT® Ro2

⑦ Mixing and Equalization Tank

⑧+⑨+⑩ Dosing of Chemicals + HUBER Dissolved Air Flotation (DAF) Plant HDF + DAF Effluent

⑪+⑫ HUBER Membrane Bioreactor (MBR) + HUBER Membrane Filtration VRM®

⑬ Reusable Effluent

⑭+⑮ Return Sludge + Surplus Sludge

⑯ Polymer Stations

⑰ HUBER Disc Thickener S-DISC

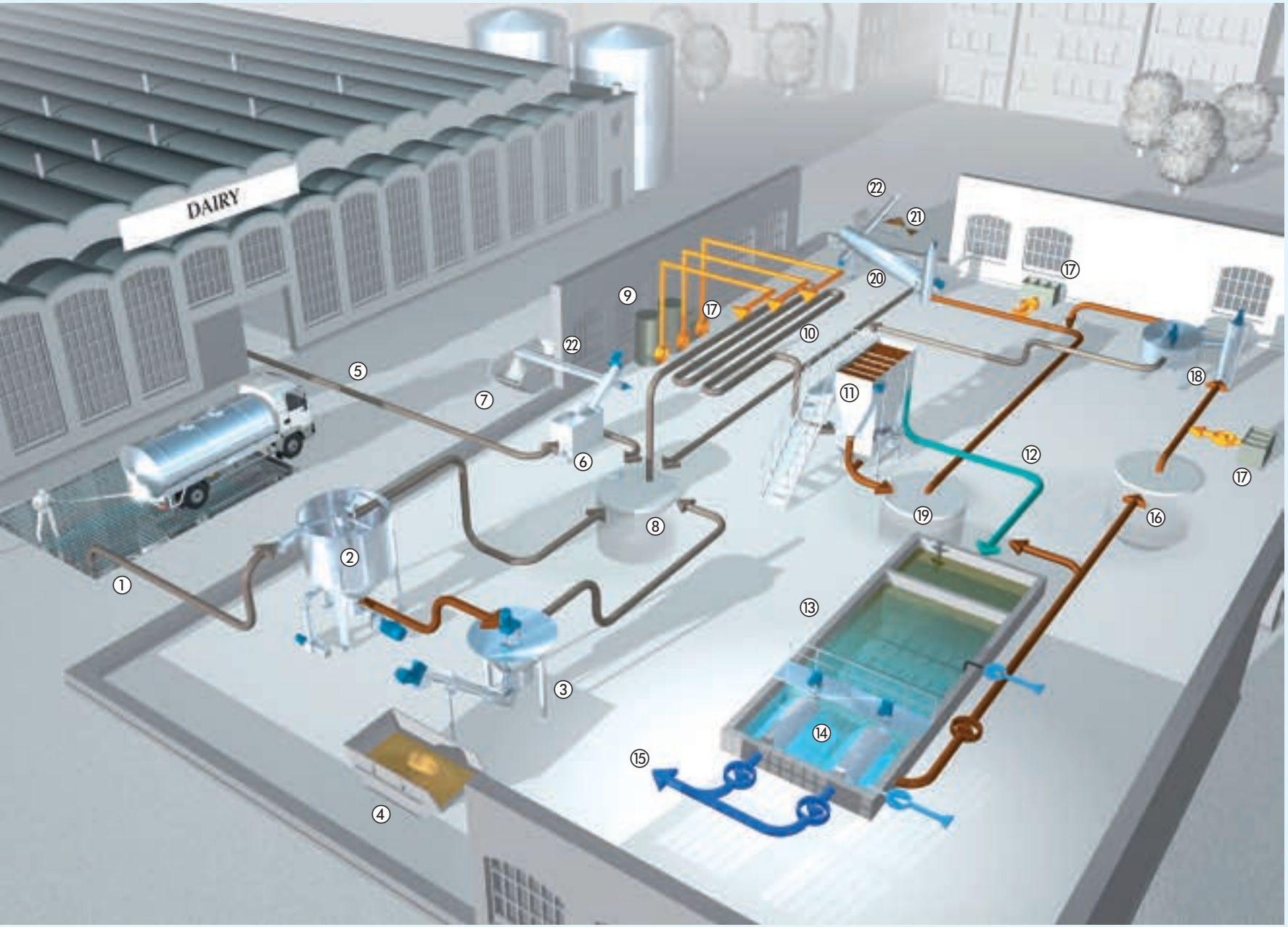
⑱ Floate Sludge Tank

⑲ HUBER Screw Press S-PRESS

⑳ Dewatered Sludge

㉑ Compacted Screenings

㉒ HUBER crew Conveyor Ro8



① WW from Truck Washing

② HUBER Circular Grit Trap HRSF

③+④ Coanda Grit Washer RoSF4 + Reusable Washed Grit

⑤ Production Wastewater

⑥+⑦ + HUBER Rotary Drum Fine Screen ROTAMAT® Ro2 + Compacted Screenings

⑧ Mixing and Equalization Tank

⑨+⑩ Dosing of Chemicals + Tubular Reactor

⑪+⑫ HUBER Dissolved Air Flotation Plant HDF + Effluent

⑬+⑭ HUBER Membrane Bioreactor + HUBER Membrane Filtration VRM®

⑮ Reusable Effluent

⑯ Surplus Sludge Tank

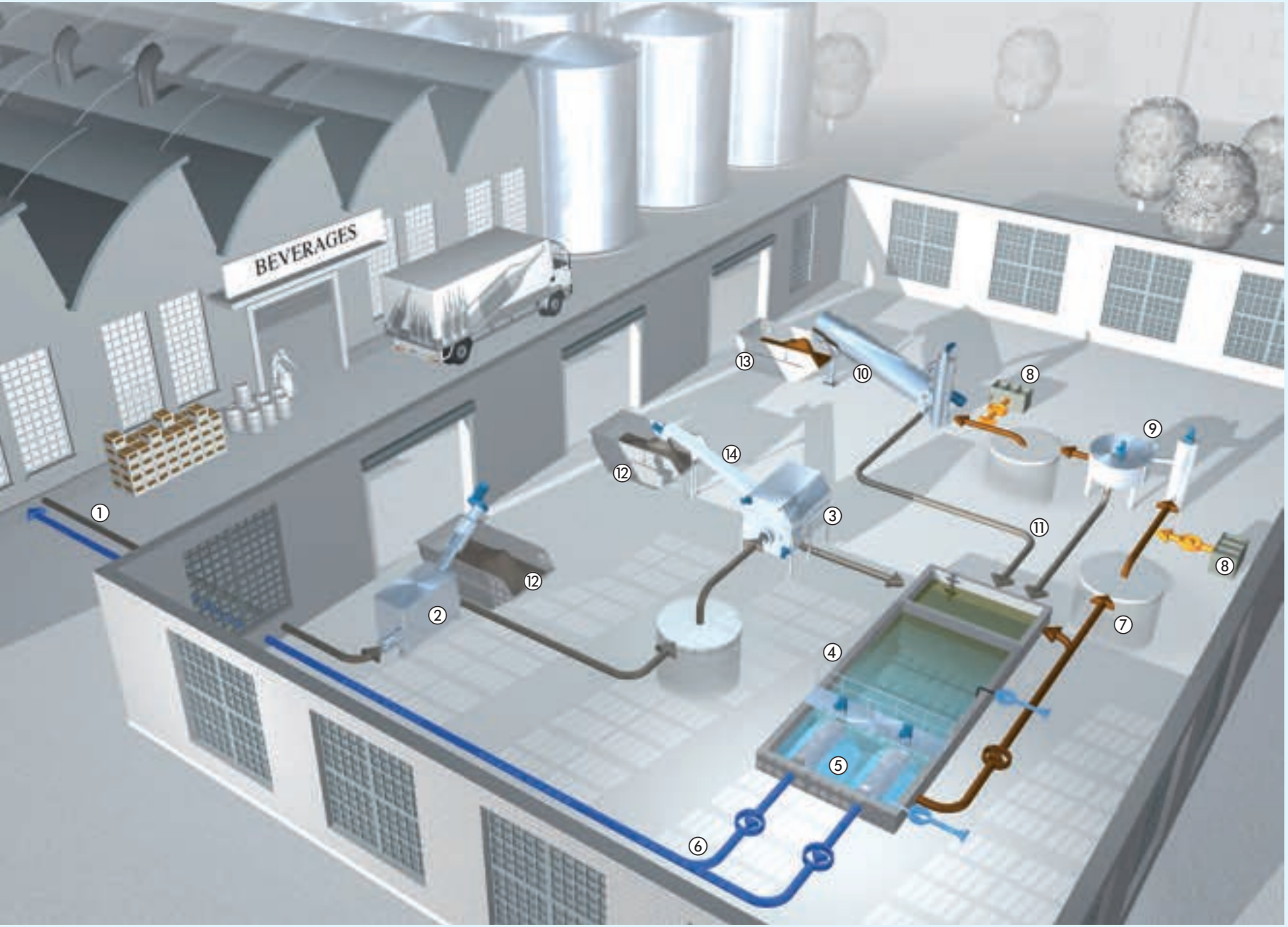
⑰ Polymer Stations

⑱ HUBER Disc Thickener S-DISC

⑲ Flotate Sludge Tank

⑳+㉑ HUBER Screw Press Q-PRESS® + Dewatered Sludge

㉒ HUBER Screw Conveyor Ro8



① Raw Sewage

② HUBER Micro Strainer ROTAMAT® Ro9

③ Fine Screening with HUBER Drum Screen RoMesh®

④ HUBER MBR Plant

⑤ HUBER Membrane Filtration VRM®

⑥ Reusable Service Water

⑦ Return and Surplus Sludge

⑧ Polymer Stations

⑨ Sludge Thickening with HUBER Disc Thickener S-DISC

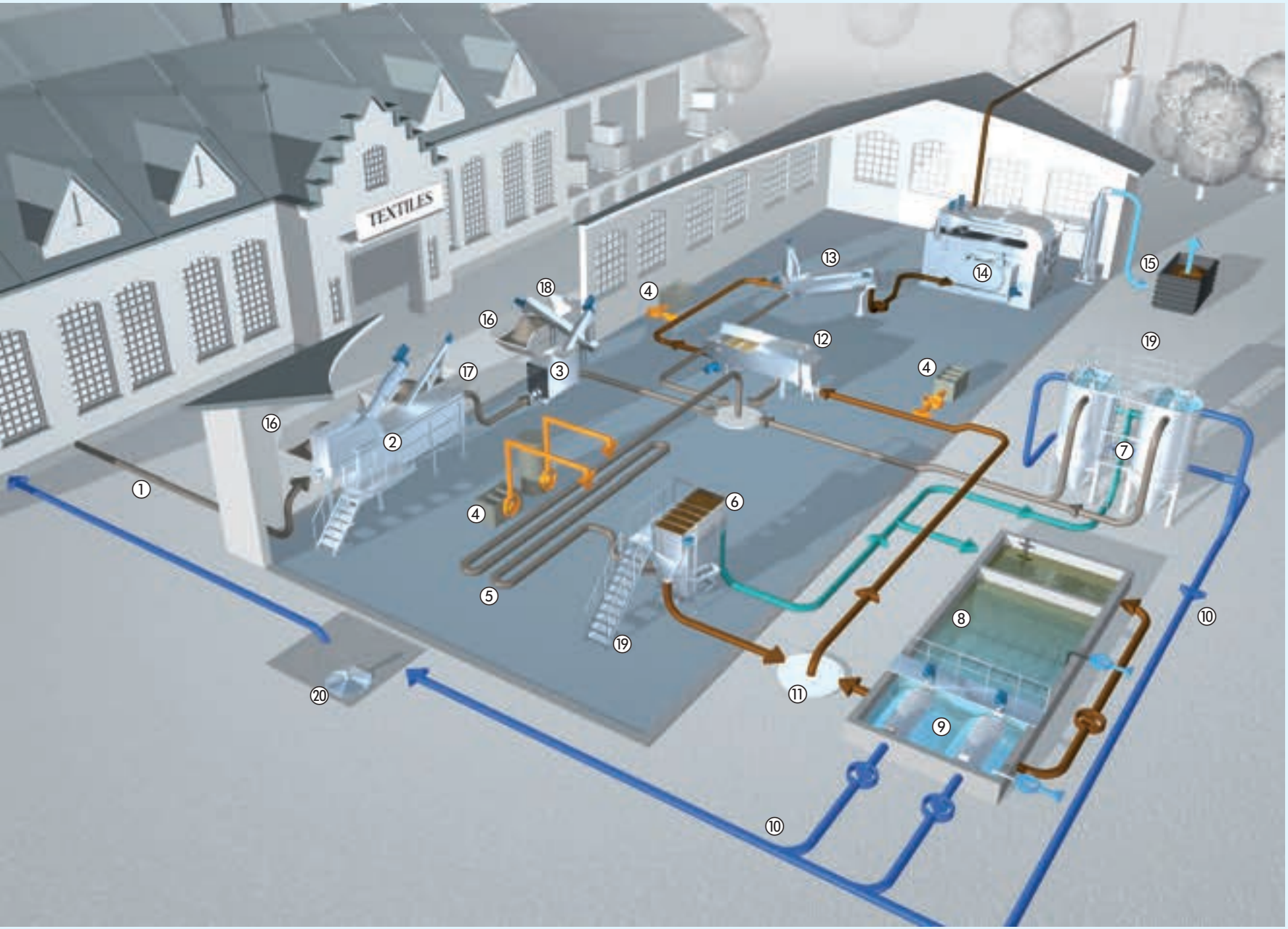
⑩ Sludge Dewatering with HUBER Screw Press Q-PRESS®

⑪ Filtrate

⑫ Washed and Compacted Screenings

⑬ Dewatered Sludge Cake

⑭ Screenings Transport with HUBER Screw Conveyor Ro8



① Raw Sewage

② HUBER Complete Plant ROTAMAT® Ro5 – Complete Mechanical Treatment

③ HUBER Membrane Screen ROTAMAT® RoMem – Ultrafine Screening

④ Addition of Flocculants / Chemicals

⑤ Tubular Reactor

⑥ HUBER Dissolved Air Floation Plant HDF

⑦ HUBER Sandfilter CONTIFLOW®

⑧ HUBER MBR Plant

⑨ HUBER Membrane Filtration VRM®

⑩ Service Water

⑪ Flotate and Surplus Sludge

⑫ HUBER Belt Thickener DrainBelt – Sludge Thickening

⑬ HUBER Screw Press Q-PRESS® – Sludge Dewatering

⑭ HUBER Belt Dryer BT – Sludge Drying

⑮ Exhaust Aair Quencher and Biofilter

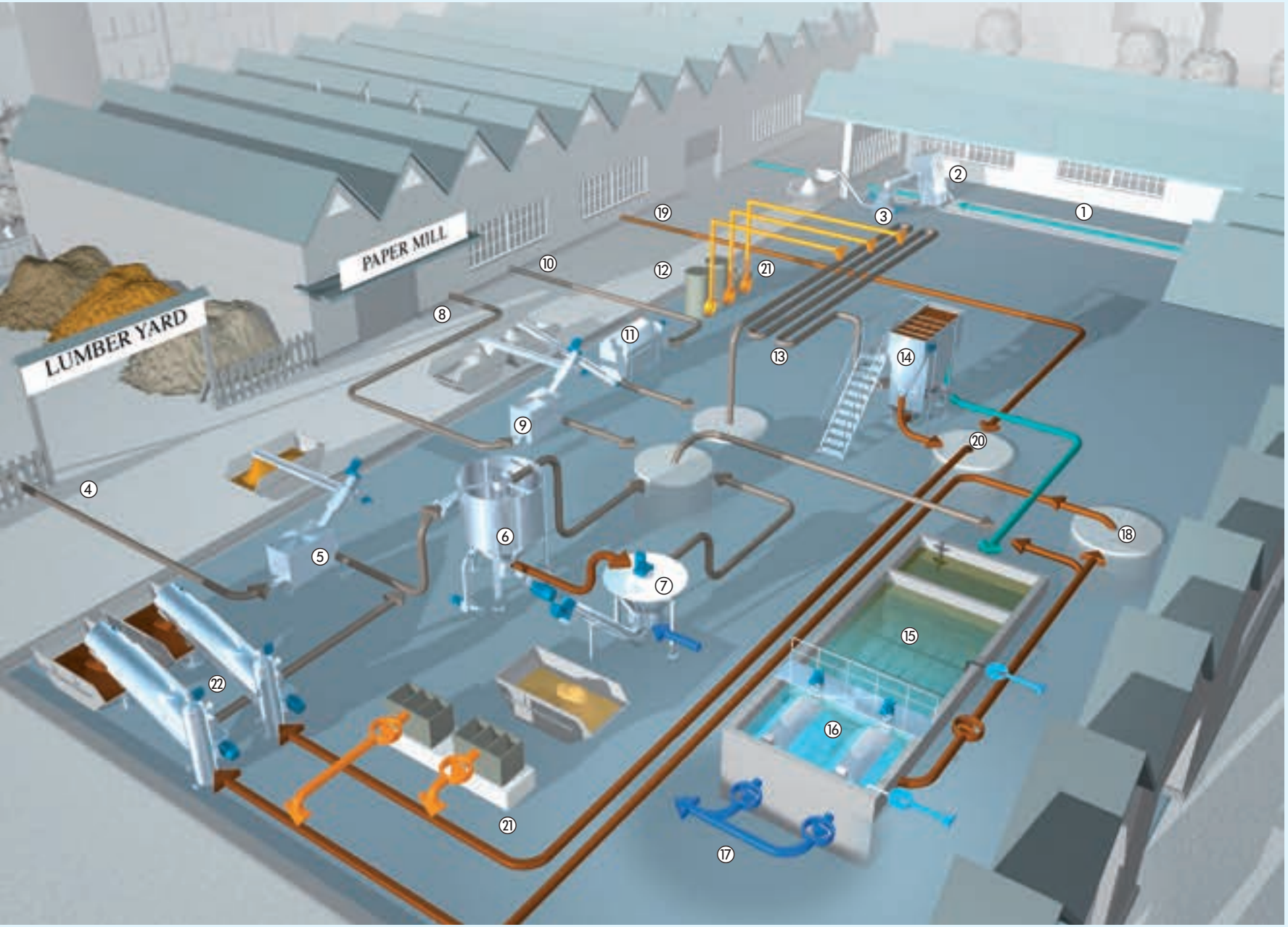
⑯ Screenings

⑰ Separated Grit

⑱ HUBER Screw Conveyor Ro8 – Screenings Transport

⑲ HUBER Platform, Stairs, Ladder, Railing

⑳ HUBER Stainless Steel Manhole Cover



① Process Water Inflow

②+③ Multi-Rake Bar Screen RakeMax® + HUBER Screenings Wash Press WAP®

④ WW from Lumber Yard

⑤ HUBER Fine Screen ROTAMAT® Ro1

⑥+⑦ HUBER Circular Grit Trap HRSF + HUBER Coanda Grit Washer RoSF4

⑧ Highly Polluted WW

⑨ HUBER Rotary Drum Fine Screen ROTAMAT® Ro2

⑩ WW with Paper Fibres

⑪ HUBER Drum Screen RoMesh®

⑫+⑬+⑭ Dosing of Chemicals + Tubular Reactor + HUBER Dissolved Air Flotation Plant HDF

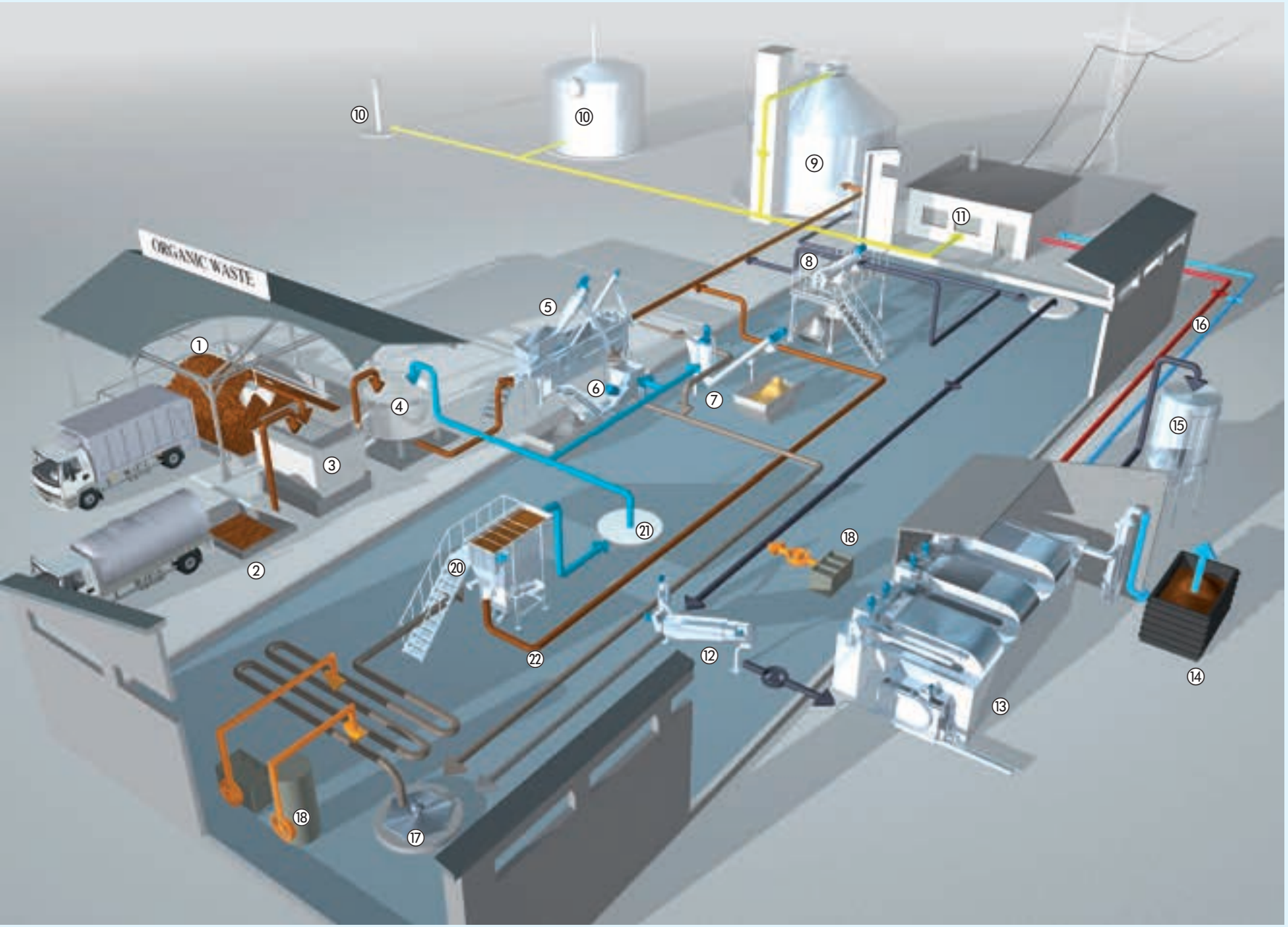
⑮+⑯ HUBER Membrane Bioreactor (MBR) + HUBER Membrane Filtration VRM®

⑰ Service Water

⑱+⑲+⑳ Surplus Sludge Tank + Fibre Sludge + Sludge Storage Tank

㉑ Polymer Stations

㉒ HUBER Screw Press S-PRESS



①+② Bio-Waste Bunker + Grease Trap Waste Tank with HUBER Cover

③ Mill + Metal Recovery

④ Pulper

⑤ Pre-Treatment Plant: HUBER Complete Plant ROTAMAT® Ro5

⑥ HUBER Wash Press WAP® SL

⑦ HUBER Coanda Grit Washer RoSF4

⑧ HUBER Sludgecleaner STRAINPRESS®

⑨+⑩ Anaerobic Digester + Gas Holder and Flare

⑪ Power / Heat Cogen.

⑫ HUBER Screw Press S-PRESS

⑬ HUBER Belt Dryer BT

⑭+⑮ Biofilter + Dried Sludge Silo

⑯ Heat Supply to Dryer

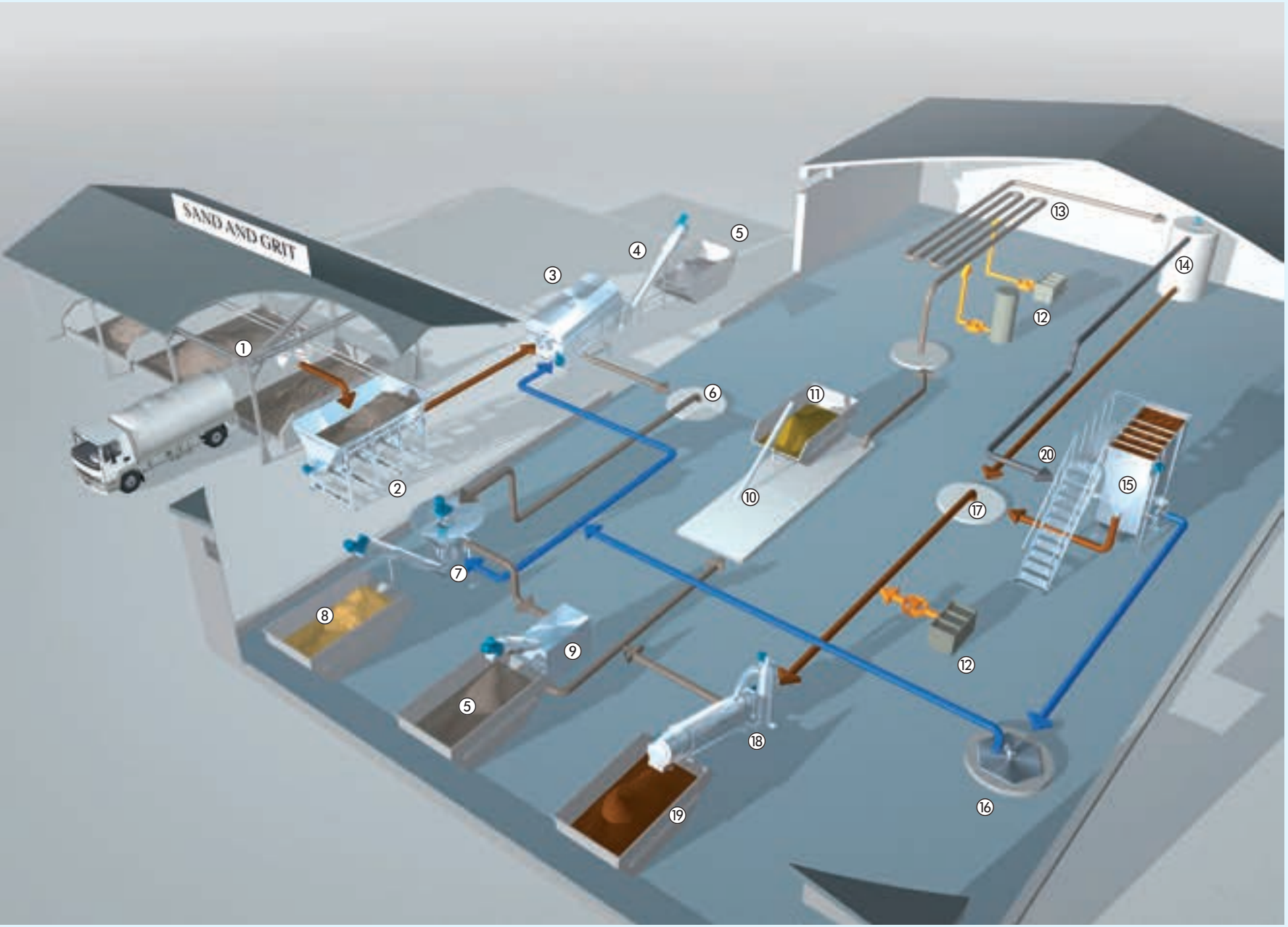
⑰ WW Tank with HUBER Cover

⑱+⑲+⑳ Dosing of Chemicals + Tubular Reactor + HUBER Dissolved Air Flotation Plant HDF

㉑ Process Water Tank

㉒ Flotate Sludge

HUBER Solutions for Sand and Grit Slurry Treatment



① Grit Slurry Bunker

② HUBER Storage Tank RoSF7

③ HUBER Wash Drum RoSF9

④ HUBER Coarse Solids Compactor RoSFXXL

⑤ Washed + Compacted Screenings

⑥ Polluted Washwater

⑦ HUBER Coanda Grit Washer RoSF4

⑧ Reusable Washed Grit

⑨ HUBER Rotary Drum Fine Screen ROTAMAT® Ro2

⑩ HUBER Longitudinal Grit Trap ROTAMAT® Ro6

⑪ Classified Grit

⑫+⑬ Dosing of Chemicals + Tubular Reactor

⑭ Sludge Sedimentation

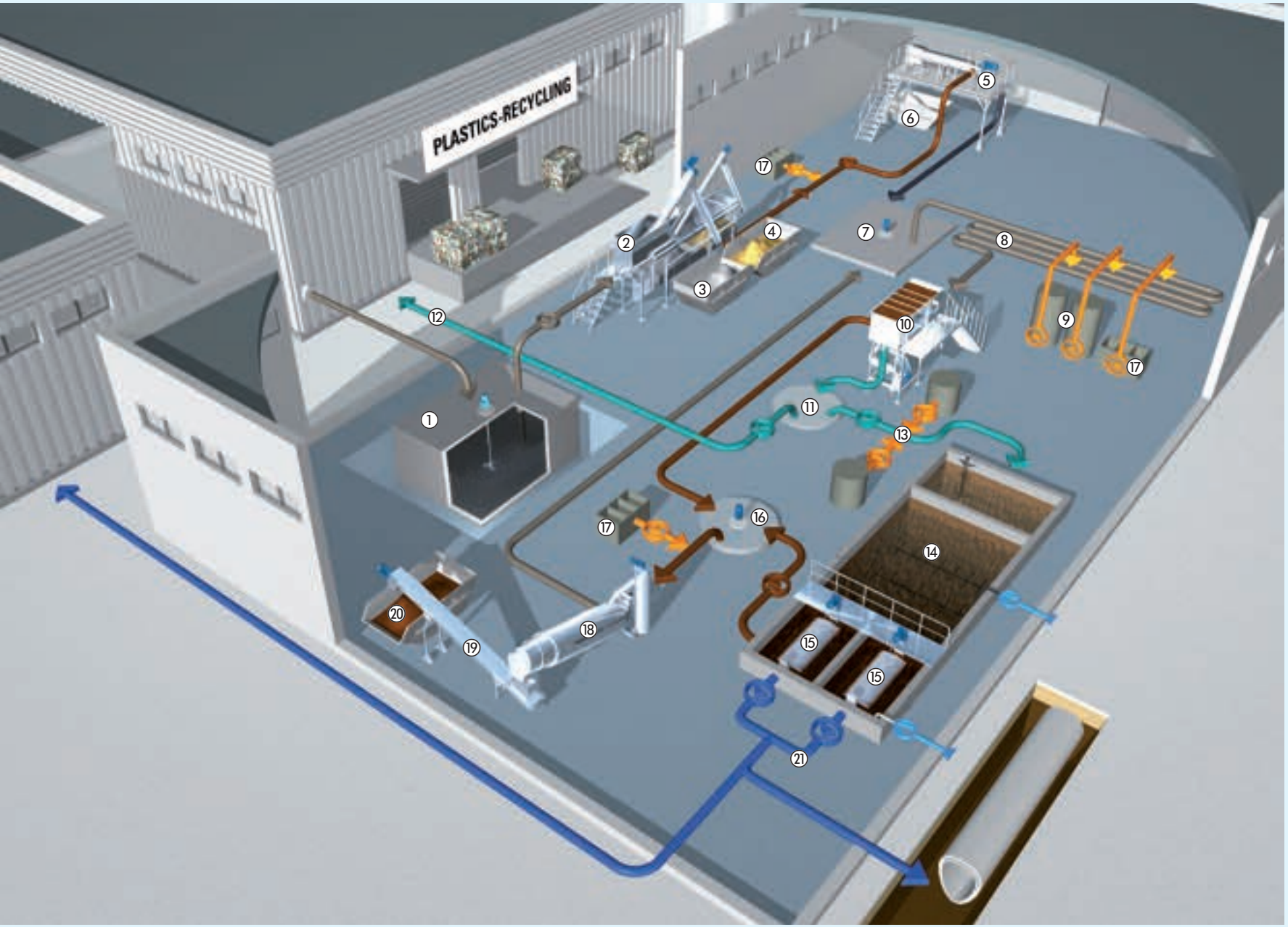
⑮ HUBER Dissolved Air Flotation Plant HDF

⑯ Process Water Tank with HUBER Cover

⑰ Sludge Tank

⑱+⑲ HUBER Screw Press S-PRESS + Dewatered Sludge

⑳ HUBER Stairs and Guardrails



① Mixing and Equalization Tank for Raw Sewage

② HUBER Complete Plant ROTAMAT® Ro5

③ Compacted and Dewatered Coarse Material

④ Sediments / Grit

⑤ HUBER Sludgecleaner STRAINPRESS®

⑥ Fibres / Fine Material

⑦ Buffer tank

⑧ Tubular Reactor

⑨ Dosing of Chemicals

⑩ HUBER Dissolved Air Flotation Plant HDF

⑪ Pump Reservoir Process Water / Biology

⑫ Return Process Water

⑬ Dosing of Nutrients MBR Process

⑭ HUBER MBR Plant

⑮ HUBER Membrane Filtration VRM®

⑯ Sludge Collection Tank (Flotate / Surplus Sludge from Biological System)

⑰ Dosing of Chemicals

⑱ HUBER Screw Press S-PRESS

⑲ HUBER Screw Conveyor Ro8 T

⑳ Dewatered Sludge

㉑ Permeate for Reuse or Discharge