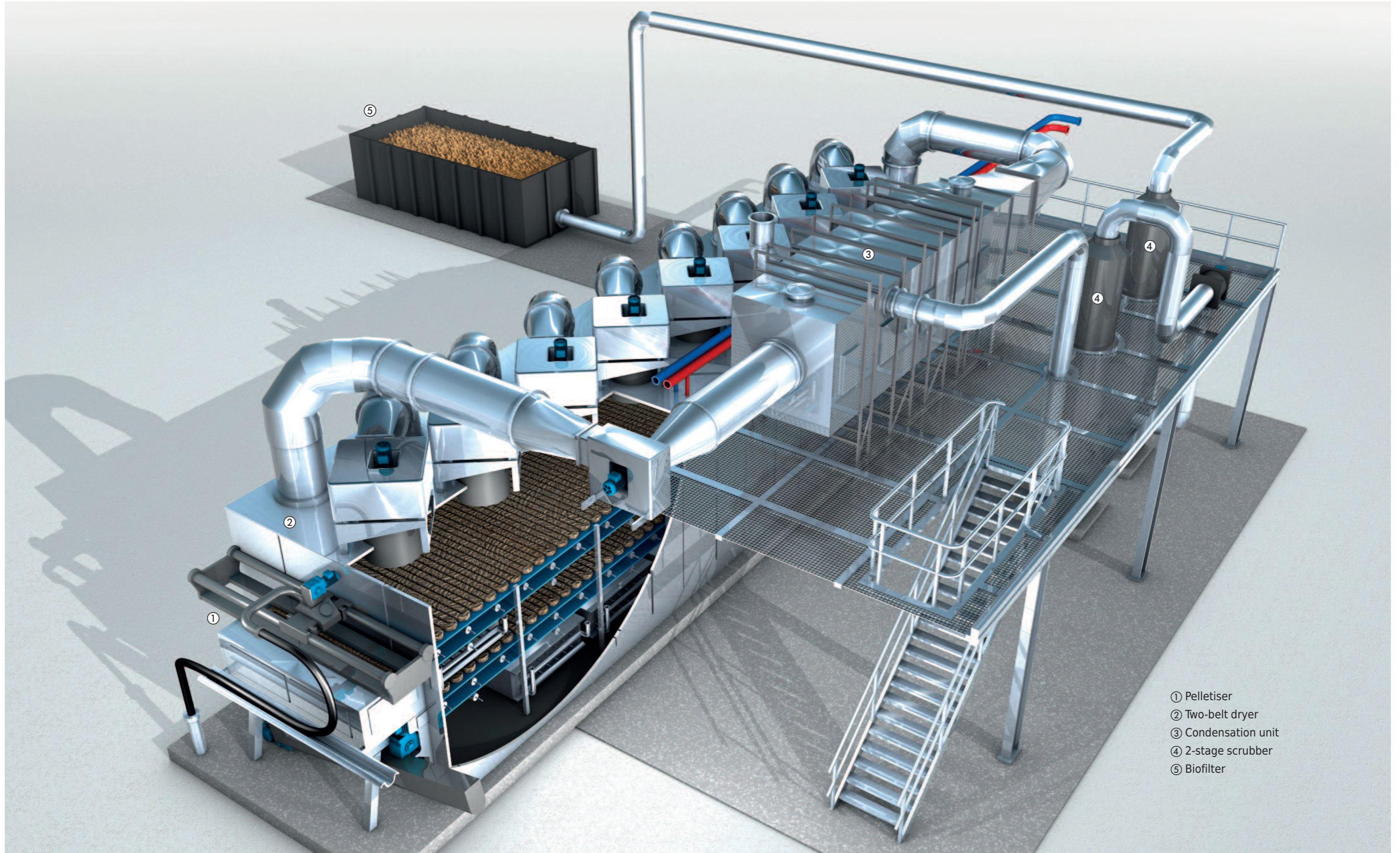


HUBER Belt Dryer BT for sewage sludge drying



- Maximum energy efficiency
- Customised waste heat utilisation concept
- Fully automated
- Easy to operate
- Compact, sturdy stainless steel design
- Durable, low-maintenance unit



- ① Pelletiser
- ② Two-belt dryer
- ③ Condensation unit
- ④ 2-stage scrubber
- ⑤ Biofilter

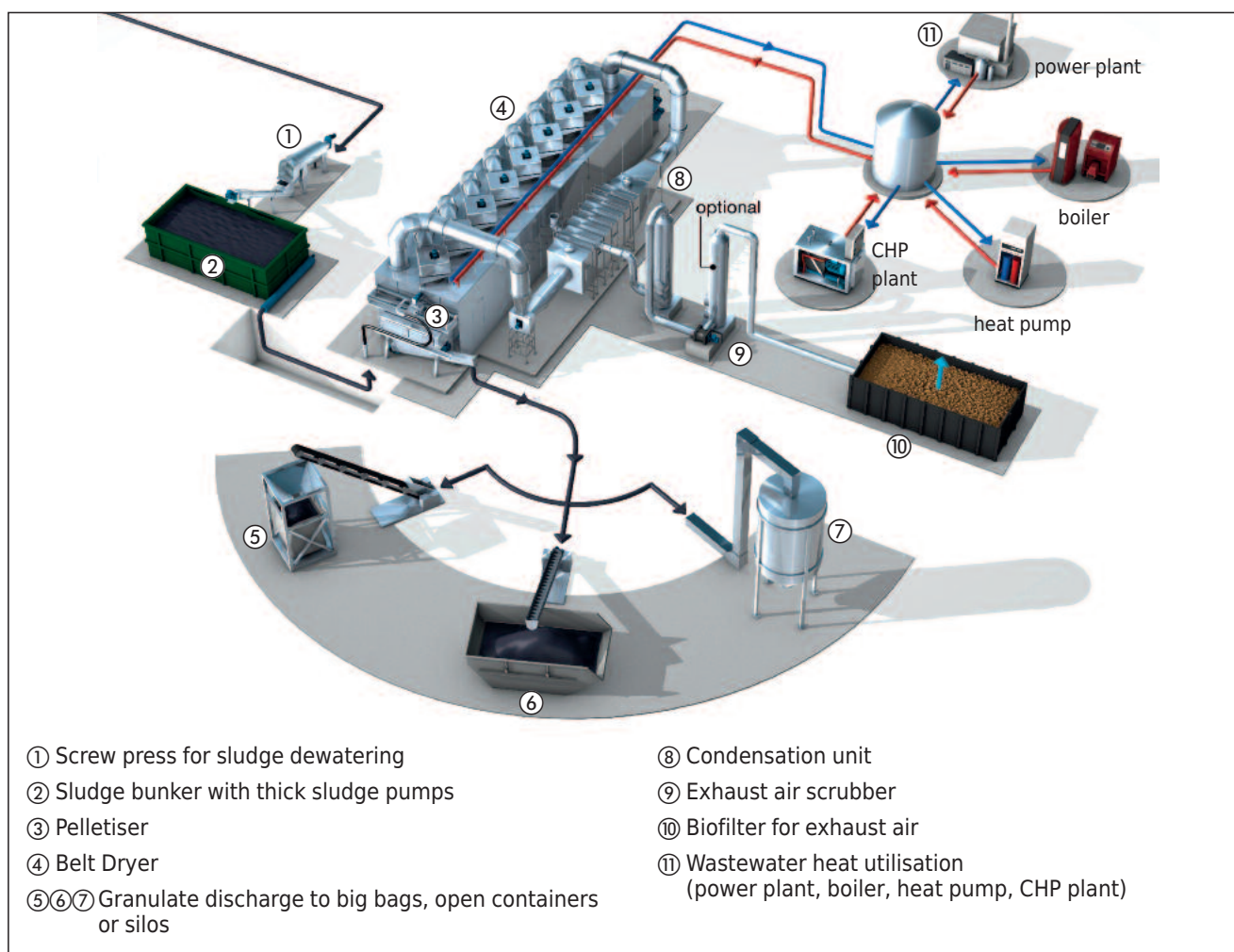
The HUBER Belt Dryer BT produces a dry, low-dust, disinfected granular biosolids product which is easy and safe to handle. The dryer uses the exhaust heat on site and reduces disposal costs.

► HUBER Belt Dryer BT

Drying of sewage sludge has to meet the conflicting demands between economic efficiency, energy supply, product requirements, disposal safety and utilisation options. Drying of sewage sludge minimizes its mass, volume and disposal costs. The produced dry and disinfected biosolids are a valuable product that is well suited for its beneficial use. Different energy sources can be used to supply the heat required for drying. We decided to chose drying at medium temperatures up to 145 °C because these temperatures are high enough to ensure quick drying and at the same time permit the cost-effective and eco-friendly utilisation of waste heat. Internal recycling of dryer air via a condenser with integrated heat recovery reduces the heat demand of the dryer even more.



Sludge feeding through our extruder is essential for the outstanding performance of our belt dryers



Our drying solutions are designed to meet specific customer requirements. HUBER Belt Dryers use various waste heat sources and are therefore ideal to be integrated into existing systems.

➤ The benefits of the HUBER Belt Dryer BT

- Very low electric and heat energy demand due to optimised air flow in the dryer
- Small exhaust air treatment unit due to the small exhaust air mass flow with a high saturation
- Automatic operation with drying degree control and throughput adjustment to varying energy supply
- Dry residue of granulate adjustable to $\geq 90\%$ or 70 - 90 %
- Low risk of fire and explosion due to moderate process temperature below 145 °C
- Controlled underpressure in the dryer prevents odour emission in the dryer hall
- High-efficiency drying with minimal dust generation due to a special pelletising system
- Conforms to ATEX regulations according to EU Directive 94/9/EG
- Effective exhaust air treatment with one-stage or two-stage scrubbers and biofilters
- User-friendly due to process visualisation
- High availability
- Low maintenance requirements
- Customised waste heat utilisation



HUBER Belt Dryer BT: wet sludge feeding via pelletiser, dry material discharge via horizontal removal screw

►► Our scope of services

- HUBER offers tailored solutions which are ideal to be integrated into existing systems.
- HUBER Belt Dryer BT units meet European and international standards.
- Development of tailored concepts, design and layout of the entire plant
- Customised exhaust air treatment
- In-house production, delivery, installation, commissioning
- Maintenance of the plant including its integrated components

►► Sizes

- 0.3 up to 3.3 t/h water evaporation per dryer
- Optional use of several drying lines for increased water evaporation
- 4 to 30 m active belt length



Large-scale sewage sludge drying plant with external condensation units and biofilters

HUBER SE

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HUBER Belt Dryer BT