

amodes

**Advanced
mobile desludging**



Your specialist in the field of mobile water rehabilitation

The company Amodes, based in Frankfurt am Main in Germany, is a specialist in desludging of flowing & standing waters, harbors, ponds and industrial waters.

With the combined expertise of the SÜLZLE Group and Blasius Schuster KG it offers its customers mobile, sustainable and technically innovative solutions to remove sludge from water bodies in an effective and environmentally friendly way.

„Amodes is a young and agile company, which has made it its goal to reuse water in an environmentally friendly way and in harmony with human and nature.“

Carsten Dam, Managing Director at Amodes

Our Services

- Gentle and water optimized sludge removal
- Efficient sludge dewatering through our belt presses
- Dischargeable filtrate water due to innovative dewatering technology and optimized flocculants
- Various special equipment for different applications such as pumps, conveyors, power units, crushers and pipelines
- Direct loading onto semitrailers possible
 - ➔ Load capacity optimization ➔ Less transports
- Close and reliable cooperation with partner companies in the field of transport and recycling/disposal of dewatered sludge residues

We would be pleased to submit you a complete offer for the desludging and dewatering of your water body including the removal and recycling / disposal of the dewatered material.

We are happy to advise you.

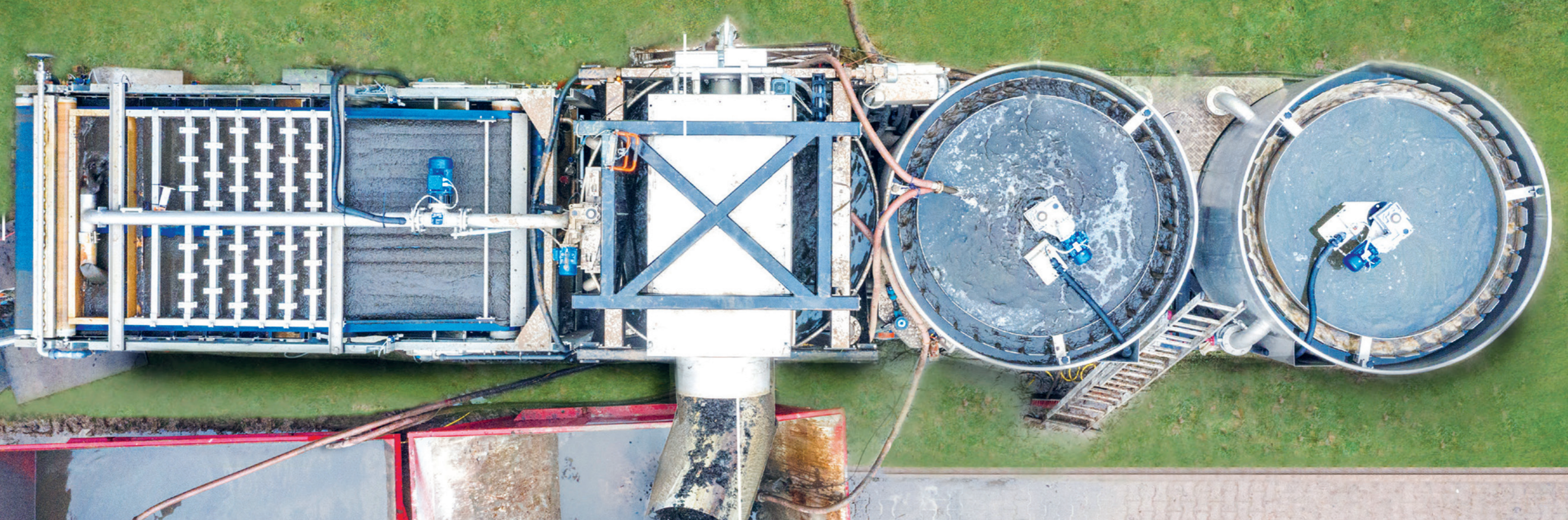


Prior to sludge dewatering by the Amodes plant, an amphibious vehicle picks up the sludge directly from the bottom of the watercourse, ensuring a interference free atmosphere for human and nature.

Benefits

- Small space requirement for construction site equipment
- Interference free atmosphere during desludging
- Economically and ecologically more efficient sludge dewatering due to technical know-how
- Large savings potential for disposal or post-treatment of filtrate water

The combination of water desludging and connected highly developed sludge dewatering makes Amodes unique as a service provider in the market.



Dewatering system

Our system combines all the components of sludge dewatering completely on a 40" module.



Process-description

1. Gross/fine material separation
2. Separation of the sand portion
3. Reactor section combining the fines with admixture of flocculants
4. Sedimentation and output
5. Water quality control

MUD – Mobile Unit Desludging

The innovative plant dewater sludge from all types of water:

- Harbour desludging
- Standing waters (ponds, pools, etc.)
- Flowing waters (streams, tributaries, etc.)
- Communal sewage sludge
- Fining ponds, natural and pond treatment plants
- Process water from sand and gravel plants
- Desludging of rainwater retention basins

Additionally, our facility specializes in:

- Sludges from the industrial and construction sector

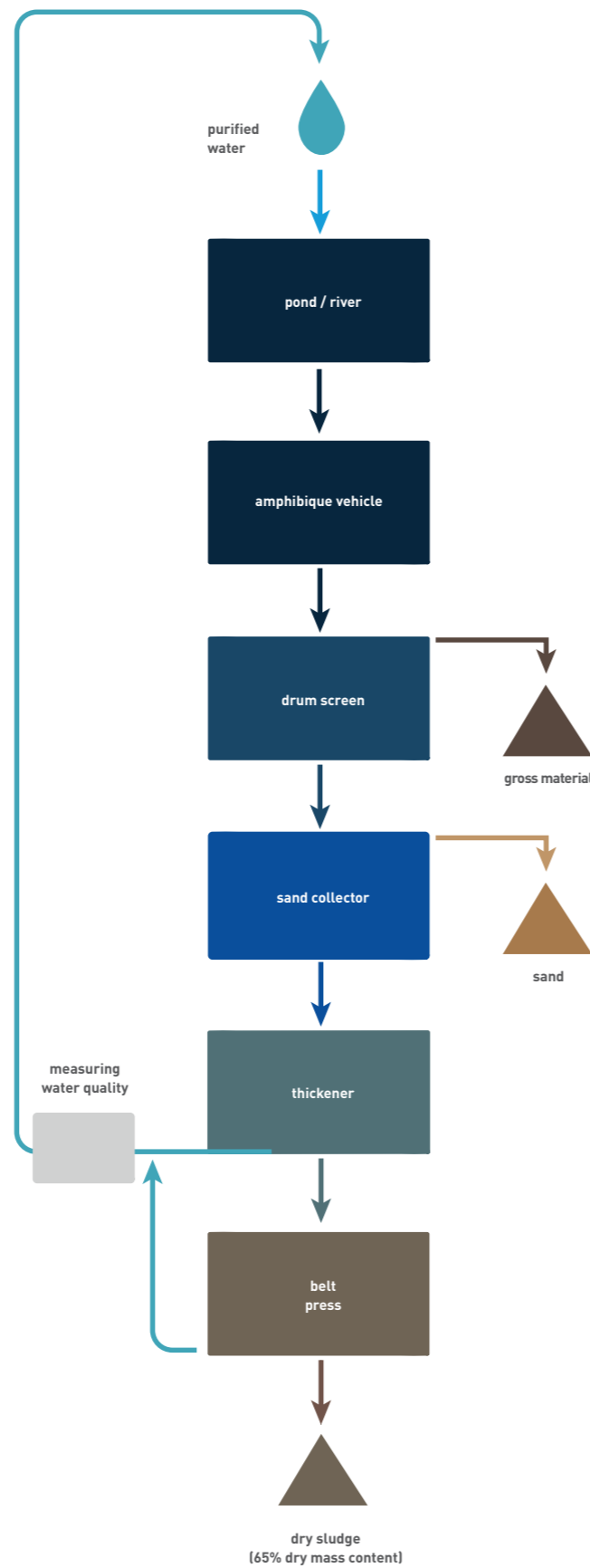


Process result

The result of this process is a transportable and storable dewatered sludge with a dry substance content of up to 65 %.

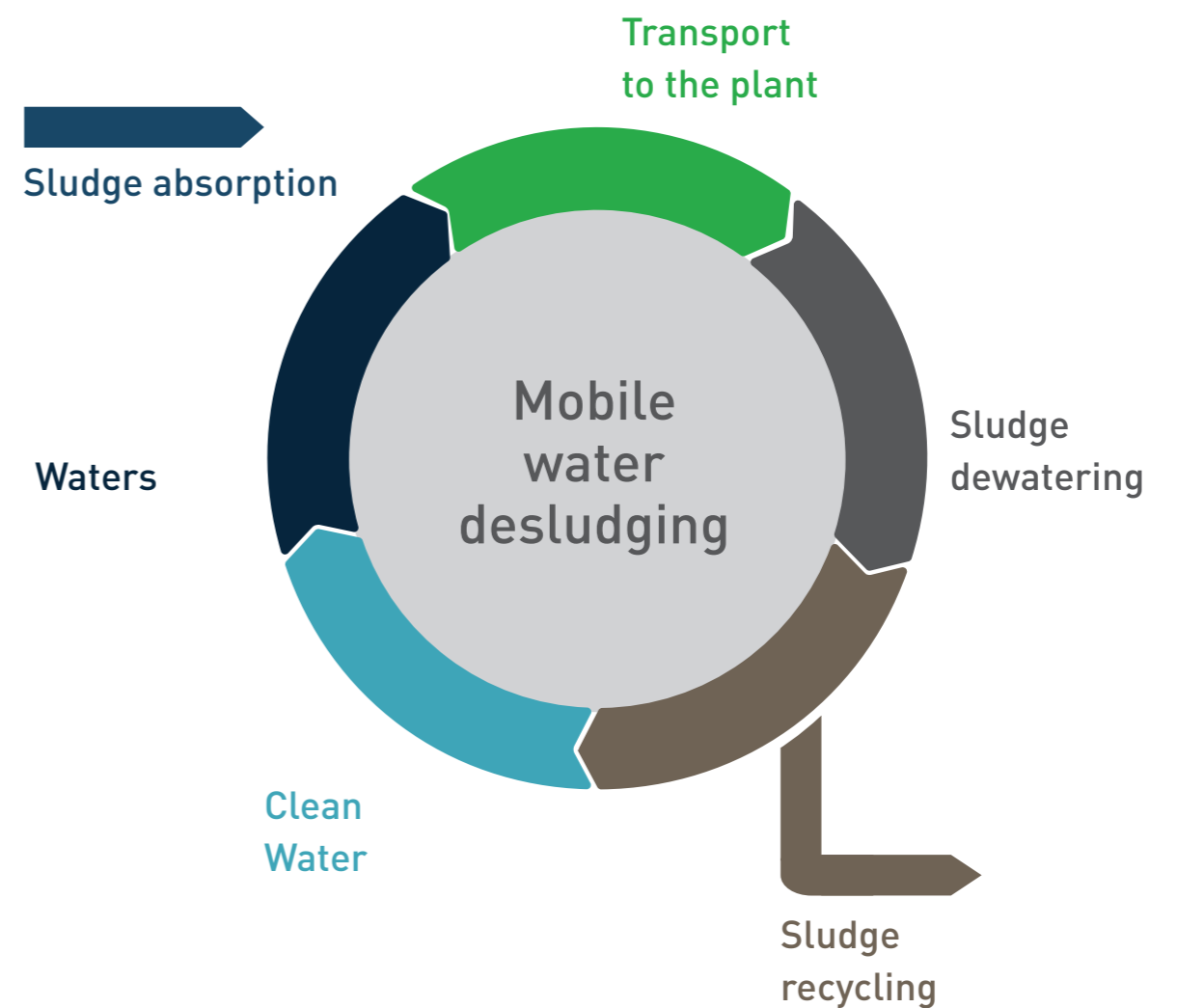
The advantages

- High throughput performance (>130m³/h)
- Immediately transportable dry sludge with up to 65 % dry mass content
- Small space requirement for the entire facility (<250m²)
- Sludge separation, conditioning and dewatering completely on a 40'' module
- The recirculation of water from the plant to the water body is carried out under continuous water quality control
- Low operating costs
- The automatic system control allows complete operation by only one person
- Quick installation in a few steps
- The process takes place in a closed system with permanent automatic monitoring
- No environmental damage to the water body and its environment



Recycling economy

- Waters are freed from sediments in an ecologically meaningful way
- Transport traffic on the road is minimized by reducing volumes
- Sludge and water remain in the material cycle





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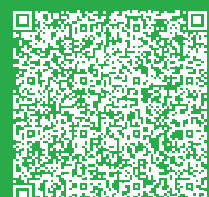
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More at:

www.amodes.de

