

# **Projects**

# We are experts in bulk engineering.

We implement your needs and requirements - beginning with the engineering of bulk material plants to the concept of a turnkey overall facility. Mostly, our plants include our in-house and well-proven products.



**Projects** 





Service Products



Rail wagons



Throughout the world, STAG is well-known for its expertise in developing highly innovative system solutions satisfying the highest requirements, as well as for its broad know-how in bulk engineering.

Trust in our strengths. We will certainly find a solution adapted to your needs.





### **STAG Plant Engineering and Construction**

We support our customers, at an early stage of the engineering process, in setting -up the plant concept as well as a feasability study. Within the scope of the project implementation, the following services will be provided:

- ✓ Project management including on-schedule implementation
- ✓ Conception and construction using 3D and 2D CAD applications
- √ Various testing facilities for the bulk products in our test centre
- ✓ Delivery and shipment of the products
- ✓ Documentation of the overall plant
- ✓ Assembly and assembly supervision
- On-site commissioning and training

Upon the commissiong and a successful test run, a project is completed – whereas the plant support provided by STAG is not.

We support you from the offering stage to the after-sales services during the complete life cycle of the plant. It is our goal to provide you a maximum availability of the plant.

#### Our business areas at a glance

- ✓ Waste-to-energy facilities / thermal waste treatment
- ✓ Energy & power plant industry
- ✓ Cement, mineral compounds & buildings materials
- ✓ Steel industry
- ✓ Waste water, sewage sludge, biomass, substitute fuels
- ✓ Special solutions, recycling

#### **Our processes**

- ✓ Pneumatic conveying technology dense phase, dilute phase,
- ✓ air slides
- Mechanical conveying technology, trough chain conveyors, closed conveyor belts, coarse particle separator
- ✓ Silo systems, system engineering, dimensioning, silo equipment such as overpressure/vacuum flaps, mechanical and pneumatic discharge systems
- Dosing systems, volumetric and gravimetric systems combined with pneumatic conveying technology
- ✓ Bulk transhipment and unloading systems, truck and rail wagon silos
- ✓ Container transhipment facilities at high filling level, stationary or mobile







# Waste-to-Energy Facilities / Thermal Waste Treatment

- ✓ Boiler ash removal
- ✓ Filter ash removal
- ✓ Adsorbent handling und recirculation
- ✓ Residue plant engineering and discharging
- ✓ Wet slag removal
- ✓ Dry slag removal
- ✓ Dry slag recycling

### **Energy & Power Plant Industry**

- ✓ Fuel handling
- ✓ Supply of aggregates and substitute fuels
- ✓ Boiler ash removal
- ✓ Filter ash removal
- ✓ Adsorbent handling und recirculation
- ✓ Residue plant engineering and discharging
- ✓ Slag removal

### **Cement, Mineral & Construction Materials**

- ✓ Rail unloading systems
- ✓ Transhipment systems, rail-to-truck, silo systems
- ✓ Supply of aggregates and substitute fuels
- ✓ Furnace dust handling
- ✓ Filter dust handling
- ✓ Bypass dust handling
- ✓ Iron-II-sulphate supply

### **Steel Industry**

- ✓ Plant engineering for blast furnace dust
- ✓ Handling of stock-house dust
- ✓ Sinter dust systems
- ✓ Adsorbent handling und recirculation
- ✓ Residue plant engineering and discharging
- Plant systems for difficult and heavy bulk products
- ✓ Converter dust facilities
- ✓ Handling of foundry sand and burnt sand





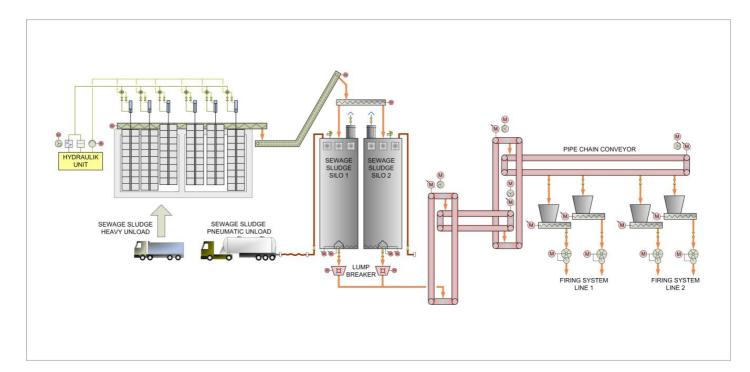
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## Waste Water & Sewage Sludge

- ✓ Slug handling in waste water treatment
- ✓ Silo, bunker and discharge facilities
- ✓ Material supply into drying plants
- ✓ Plant systems for dried sewage sludge
- ✓ Fuel handling to thermal incineration plants
- ✓ Ash removal from thermal incineration plants









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# Special Solutions, Recycling

- ✓ Slag handling
- ✓ Slag recycling
- ✓ Container transhipment facilities
- ✓ Ash handling from HFO combustion in refineries
- ✓ Mobile bulk conveying plant
- ✓ Lignite transhipment plant
- ✓ Underground transport
- ✓ Gas loop facilities to pneumatic transport









# **Your STAG Project Team**





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