

From planning to turnkey handover

Our projects

Deliverables that leave a lasting impression



All-in-one solutions from BTW
 "Your reliable partner during all project phases"



Planning - Project Development

- Definition of requirements
- Development of construction concept
- Cost estimation
- Tridimensional planning of plant



Project Management

- Deadline monitoring and project coordination
- Cooperation with partner companies
- Coordination of supplies
- Surveillance of assembly progress



Manufacturing - Supply

- Technical specification of all plant components
- Detailed production documents
- Continuous production controls
- Preparation of documentation



Assembly - Commissioning

- Installation engineering and site coordination
- Plant assembly
- Commissioning by specialized staff
- Training of plant operators



Customer Service

- Coordination of spare parts stockpiling
- Consulting service as to plant extensions
- Support during ongoing plant operation
- Fast delivery of spare parts



BTW Plant Solutions has been successfully realising plants and plant components, among others, in Austria, Germany, Russia, White Russia, the USA, China, Japan, Latvia, England, Finland, Sweden, Ireland, the Czech Republic, Hungary, Romania, Bulgaria, Slovenia, Croatia, Bosnia, Serbia, Spain, Ukraine, Egypt, Saudi Arabia.



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 We are certified according to ISO 9001 and EN 1090-2.



Sand processing and mixing plants

Dosing and mixing – cost-efficient realisation

BTW is your competent partner for:

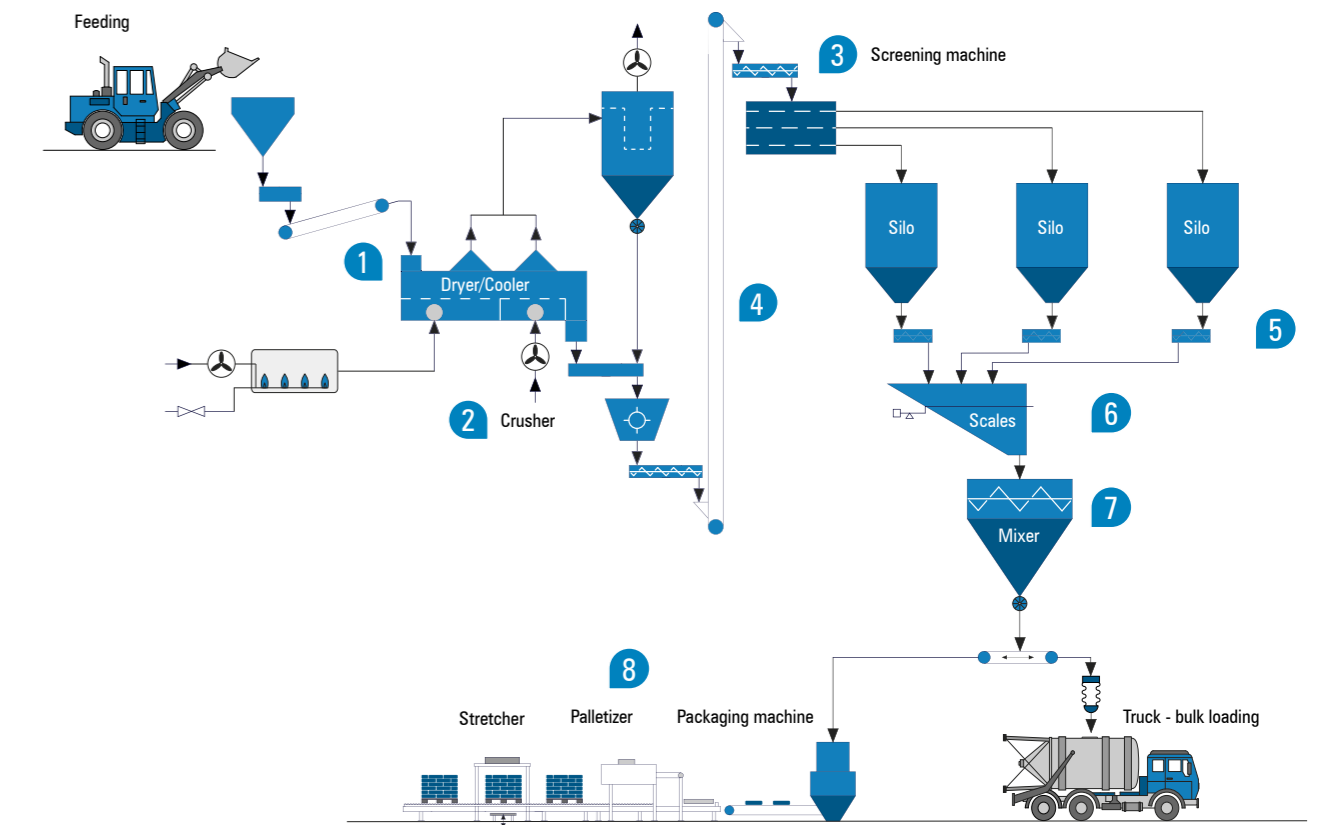
- Ready-mixed mortar plants
- Mixing and dosing plants for dry and paste-like building materials
- Drying and processing plants
- Crushing, conveyor and screening systems



Benefits

- From design to turnkey handover – everything from a single source
- Complete engineering provided from one source
- Innovative 3D planning
- Latest and cost-efficient plant concepts
- Targeted focus on cost-effectiveness
- State-of-the-art control technology with efficient calculation unit
- Fast assembly and commissioning
- Also available in modular design

Sand processing and mixing plants



One-stop solutions

BTW plans, supplies and assembles sand processing and mixing plants customized to your needs and within the specified time, ranging from materials handling and stockpiling, precise dosing and weighing systems to packaging plants.

As a precondition for manufacturing high quality products, mineral raw materials need to be processed accurately by crushing, drying/cooling, screening.

The appropriate choice of dosing units and required silo discharge systems, in connection with electronic control systems, guarantees that particular materials are precisely removed from silos.



1 Drying/Cooling

Drying and cooling ensures that screening into fine fractions is realizable and material properties are tailored to the requirements.

Dryer systems such as drum dryers, vibration dryers and coolers are used.

2 Crushing

The selective crushing of bulk materials is adapted to the respective product features and the intended purpose.

Crushing systems such as jaw crushers, cone crushers, impact mills, hammer mills, etc. are used.

3 Sieving/Screening

Due to different material properties and the required final products the selection of sieving and screening systems is an important factor for the design of a processing plant.

Screening and sieving systems such as circular vibrating screens, resonance screens or tumbler screening machines are used.

4 Conveying

When selecting the optimal conveying system, we comply with our customers' needs and particular material properties.

Conveying systems such as apron conveyors, belt conveyors, belt and chain bucket elevators, screw conveyors, chute conveyors are used.



5 Dosing

The appropriate choice of dosing units and required silo discharge systems, in connection with electronic control systems, guarantees that particular materials are precisely removed from silos.

Dosing units such as rotary air locks, metering valves, metering screws, belt feeders, etc. are used.



6 Weighing

The use of highly-sensitive load cells and other weighing units adapted to requests guarantees a high quality of the final products.

Weighing units such as scales for large components, scales for small components, volumetric weighing systems, weighing belts, etc. are used.



7 Mixing

Granting of a constantly high quality of the construction materials requires exact dosing and weighing systems as well as homogenous mixing. This can only be ensured by using high-quality mixers.

We are using batch mixers, special mixers, etc.



8 Packing/Storing

In order to meet the market demands, end products are differently packed and stored.

Packing and palletizing systems such as rotopackers, inline packers, packers for small quantities, palletizing systems, stretch hood machines, etc. have been realized.



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Process Control Engineering



The Process Control Engineering is realized with state of the art technology and comprises:

- Power control systems
- Visualization systems
- Software development for PLC and recording
- Control and evaluation
- Administration
- Statistics of process data