



Material handling

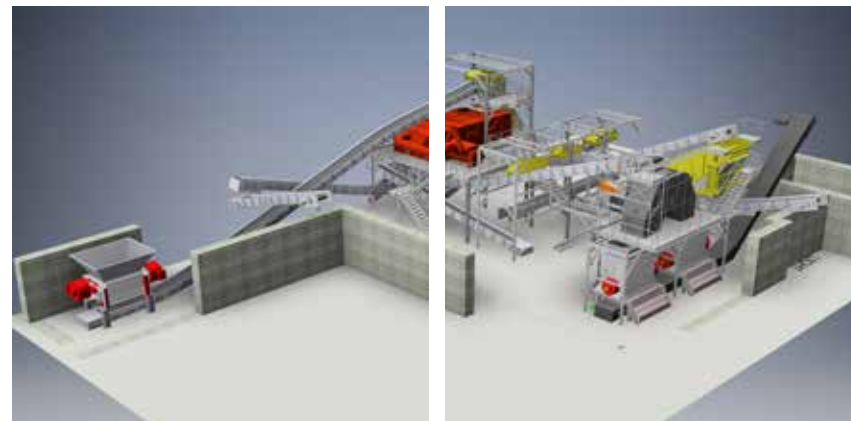
**Engineering and Production for
effective processing of valuable
materials**

Reception - Conveying - Storage



Engineering performance at the highest level

Vecoplan is your strong planning and implementation partner in the field of material flow handling. Whether for the thermal utilisation of RDF for the power plant and cement industry, biomass for combined heat and power plants or material recycling for a functioning circular economy - we provide concrete solutions.



Vecoplan dosing, storing and conveying components are synchronized in detail so that a continuous material flow in your system is guaranteed. This enables a high profitability of your system.

Vecoplan Competence all along the line

Vecoplan has years of experience in the engineering and production of state-of-the-art and high-performance processing plants for the handling of residual material from domestic and industrial waste, biomass, plastics as well as root wood, pallets, waste wood, logs or wood composites.



Material reception

Every process for thermic material use starts with the material reception. To secure for an optimized flow of the material we design customized material reception solutions for your processes, conveying routes, the required conveying capacities and local conditions. For this purpose we offer you a wide range of products with the Vecoplan Truck Unloader VTU.



The material reception systems are variably adaptable, for material supply with dump trucks, trailers with push floor or wheel loaders – depending on the local conditions, the input material and the required conveying capacity – Vecoplan will receive your material safely:

VTU S – Vecoplan Truck Unloader Screw
VTU B – Vecoplan Truck Unloader Bunker
VDF – Vecoplan Discharge Floor



Material reception by truck receiving station Types VTU + VTU S

- Compact design
- At ground level, no pit required
- VTU: Truck can be accessed in unloading position via VTU
- VTU S: Trailer can be used for storage



Material reception by truck receiving station VTU Type B

- 100 m³ container volume
- Trucks can unload at full speed
- Suitable for dump trucks and semitrailers with push floor
- Short waiting times



Material reception by discharging floor VDF

- Bunker system for receiving and storing bulk materials
- Can also be used for very coarse material sizes
- Modular design for easy transportation, assembly or conversion
- Minimal wear costs thanks to robust design
- Dosing roller for controlled material discharge



Material reception by screw bottom VSM

- Compact design
- 30 m³ container volume
- Suitable for filling by wheel loader and excavator
- Dosed material output by frequency converter

Materials handling

Different feeding materials form special requirements to the conveying technology. Vecoplan possesses of numerous innovative, technical solutions to receive, store or transport material economically and efficiently.

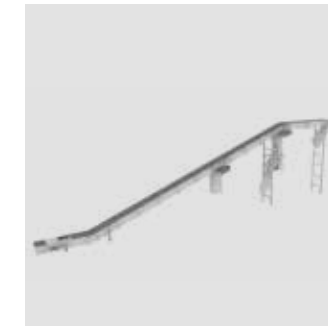


To cover a wide range of material handling requirements, Vecoplan designs and manufactures conveying units to meet a wide range of requirements, such as the type of material and the particle size, as well as the conveying distance and the degree of inclination of the conveyor line.



Conveying by Pipe Conveyor VRF

- Long distances
- Closed design
- Low-maintenance
- Energy efficient
- High spans
- Self-supporting system
- No load-bearing rollers in pre- and back flow



Conveying by Drag Chain Conveyor VKF

- Clean and closed system
- Proven technology
- Reliable
- High inclination of conveying routes possible
- Modular design
- Flat and troughed version possible
- Negative slope in course of belt possible
- Incline up to 30°



Conveying by Conveyor Belt VFB

- Very robust construction
- Modular design
- Low cleaning effort due to modern stripper technology
- Banana-shape design possible

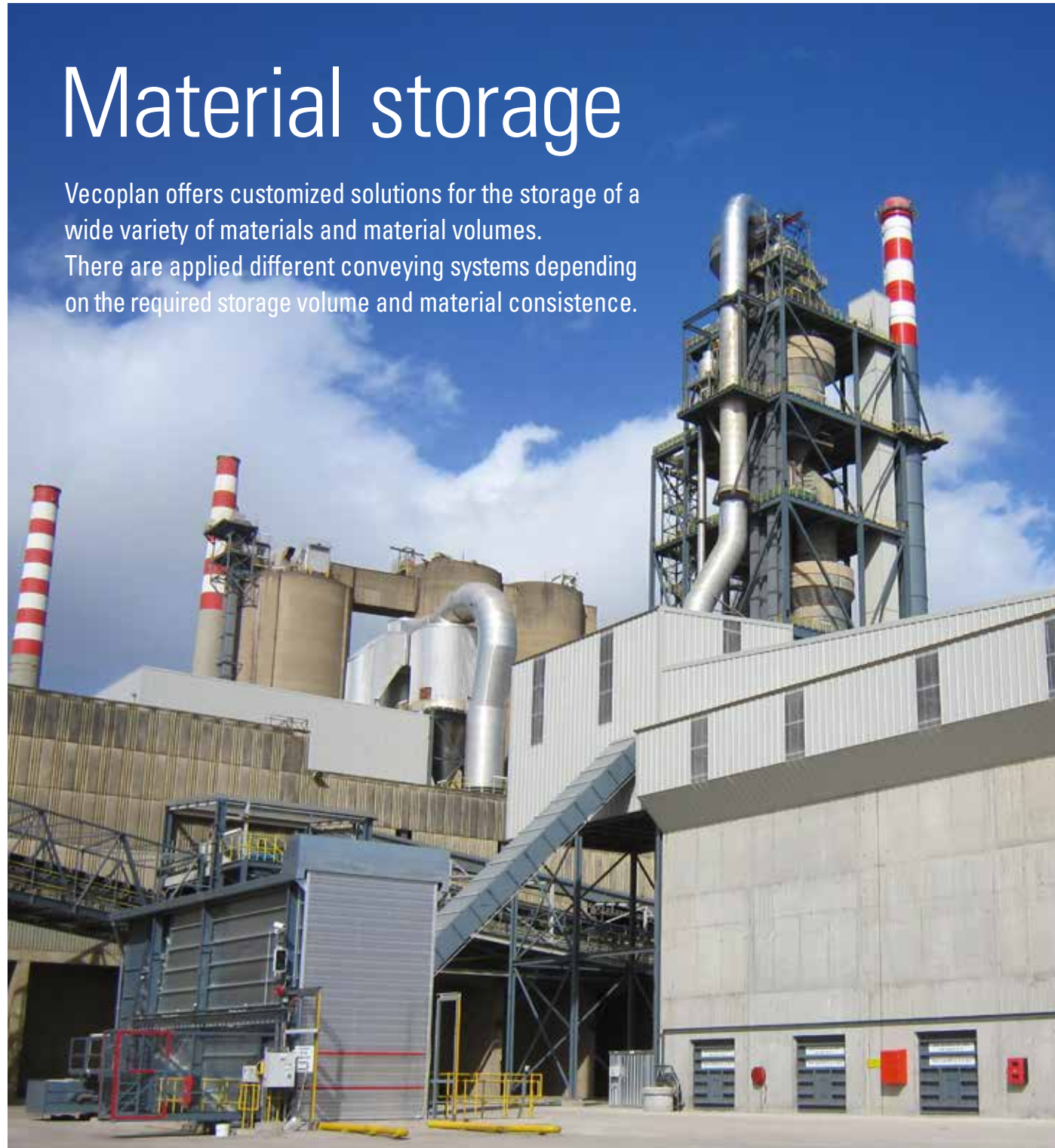


Conveying by Screw Conveyor VSD

- Continuous and fast conveying
- Clean, easy and compact
- Robust design
- Solid torsion-resistant steel construction
- Closed design
- Volumetric dosing possible

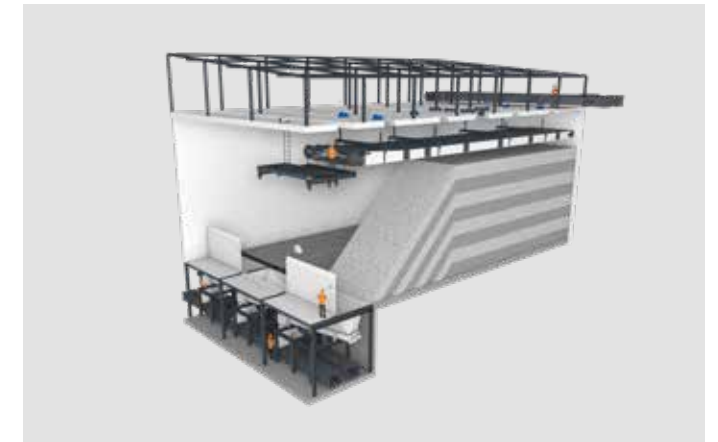
Material storage

Vecoplan offers customized solutions for the storage of a wide variety of materials and material volumes. There are applied different conveying systems depending on the required storage volume and material consistence.



Storage of material by Overhead Reclaimer System Type VBE

- High storage volume on a small area
- Storage mechanic is arranged over the material
- Simultaneous in- and output of material possible
- Mixing of different materials is possible



Storage of material by Screw Bottom Bunker VSM

- High industrial safety by complete enclosure of moving parts
- Long service life
- High conveying capacity
- Low maintenance requirements
- Consistent volume flow
- Compact design



Storage of material by Drag Chain Discharger System VKB

- Lower conveying speed for a long-life operation
- Unloading device in underground bunker (truck unloading station), with container attachment also direct loading with wheel loader possible
- Closed design
- Storage device for combustion plants



Storage of material by Toploader System VTL

- Most economical storage technology for bulk material
- Reception station for large storage units
- Fully automatic emptying of boxes without operating personnel
- Filling of one or more boxes (up to 400 m³) with semitrailer, tipping container or wheel loader on an even floor

