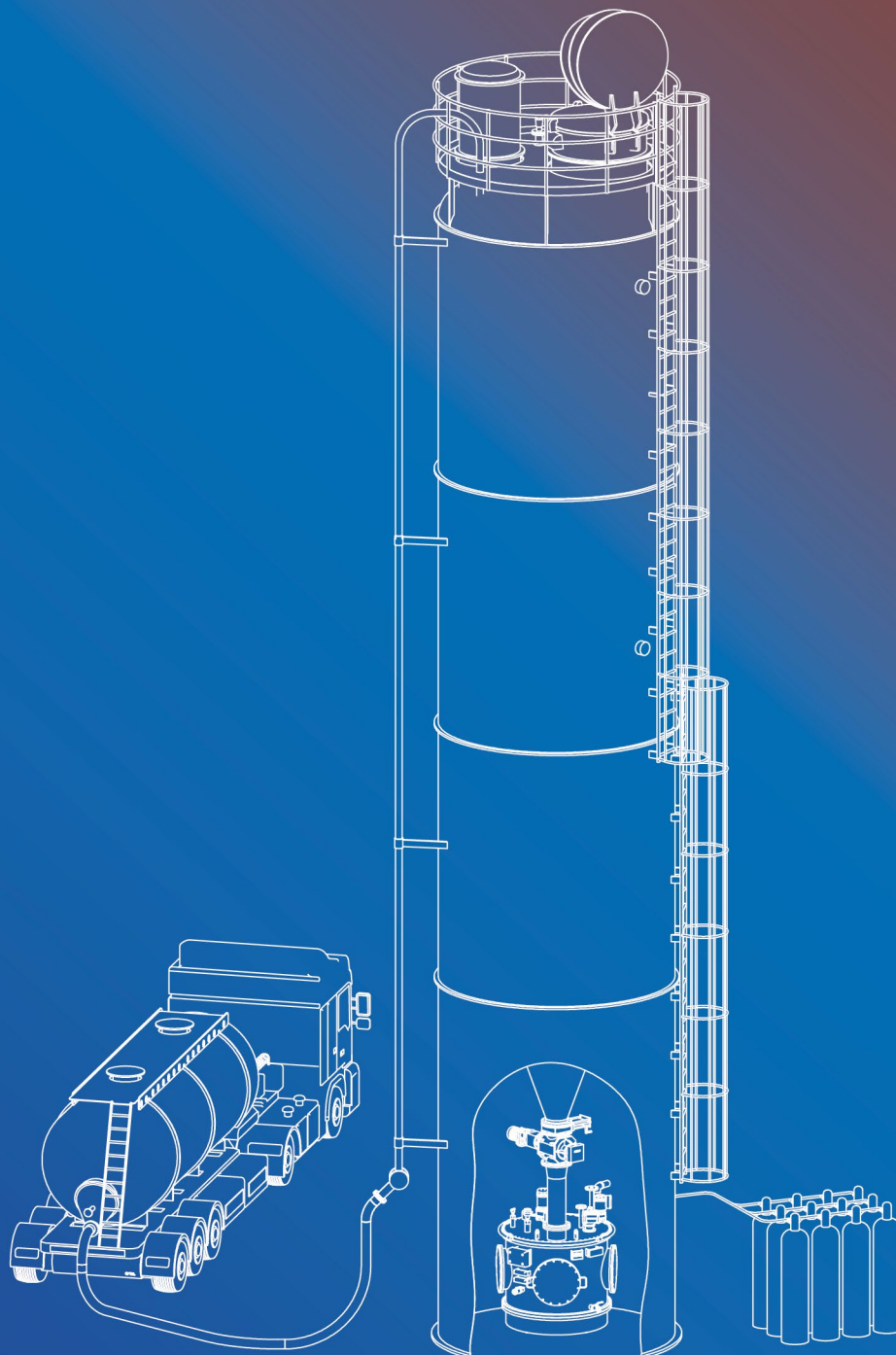


# SILO FACILITY

Storage silos for potentially explosive  
bulk material according to ATEX directives



## Areas of application

- Storage of hazardous bulk materials such as lignite dust
- Product promotion with Carbotechnik dosage and conveying system

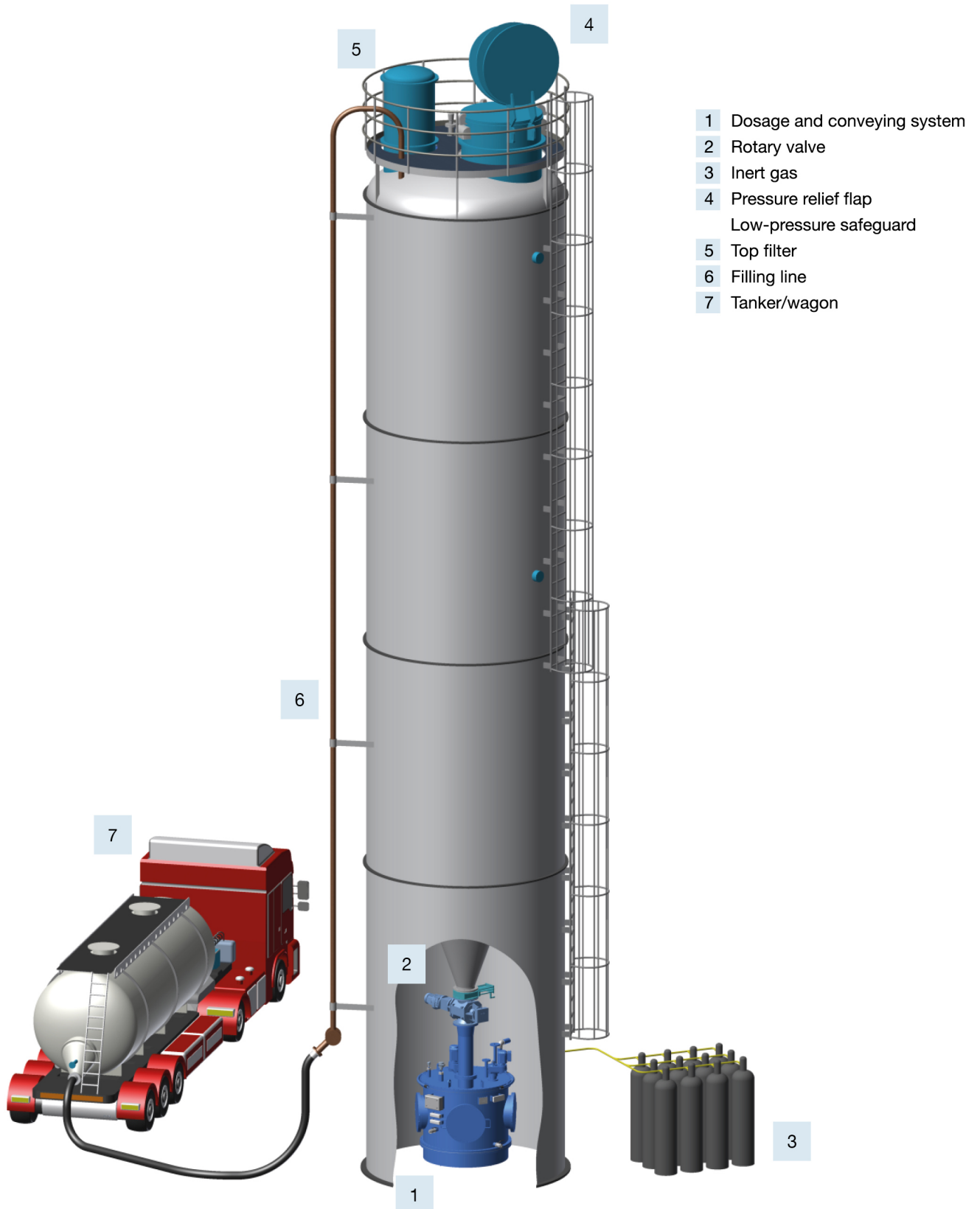
## Advantages at a glance

- Individual planning
- Turnkey delivery and supervised commissioning
- Planning reliability through professional project management

## Design

- Compliance with all the ATEX directives
- Pressure shock resistant design
- Safety equipment depending on the storage material
- variable construction of silos according to site requirements
- Individual silo sizes possible, (standard size 120 m<sup>3</sup>)
- Measurement of the contents of the silo on fill level or weight
- Autonomous PLC with data interface for BUS connection in an existing process control system.

# Silo overview



## Functional description

The bulk material is pneumatically blown into the silo by the silo vehicle (road or rail transport). During the filling, the extraction from the silo is not impaired. The silo outlet is geometrically optimally designed and equipped with compressed air nozzles to also discharge poorly flowing materials easily.

Using a rotary valve, the material is withdrawn and can be conveyed pneumatically through the dosage and conveying system to the desired part of the plant. We recommend the dosage and conveying systems of Carbotechnik.

## Maintenance and check

- Carbotechnik service by trained and certified personnel for the whole silo facility
- Implementation of the mandatory regular silo check

## Technical details

Carbotechnik silo facilities are designed and dimensioned according to the customer's requirements, so the following basic data is only intended as a guide.

<b>Equipment:</b>	In accordance with ATEX directives
<b>Construction type:</b>	Pressure shock resistant
<b>Suitable goods:</b>	Bulk materials, in particular potentially explosive materials
<b>Loading station:</b>	Truck or railcar
<b>Extraction:</b>	Rotary valve
<b>Products conveyed:</b>	Carbotechnik dosage and conveying system







# CARBOTECHNIK

## The company

Burner and dosage systems for powdery fuels/goods of CARBOTECHNIK are characteristic of mature and proven applications.

CARBOTECHNIK uses the high-grade development of a patented technology comprised of fuel preparation, fuel transport and combustion in co-ordinated proportions.

Our team develops the specially tailored approach for our customers. Manufactures, delivers and erects the plant.

Competent engineering services under strict compliance with our quality assurance system; optimal work preparation and modern manufacturing methods guarantee highest quality technical products.



Carbotechnik Energiesysteme GmbH

Lauterbachstraße 12  
D-82538 Geretsried-Gelting

Phone

Fax

Website

Email

+49 8171 92 82 - 0

+49 8171 92 82 - 79

[www.carbotechnik.de](http://www.carbotechnik.de)

[info@carbotechnik.de](mailto:info@carbotechnik.de)