

## Silos in modular construction

Transport at low costs, easy assembly – worldwide

Silo Technology



Our intelligent design ensures your technological lead: from now on, silo sections no longer need welding – they can be bolted on site. This innovative concept has been developed in cooperation with several research institutes.

The concept: the different silo segments are transported in containers and then bolted to each other on site. No specialized assembly staff is required as the work can be carried out quickly and at low cost by your own staff.

**Let's add it all up:**

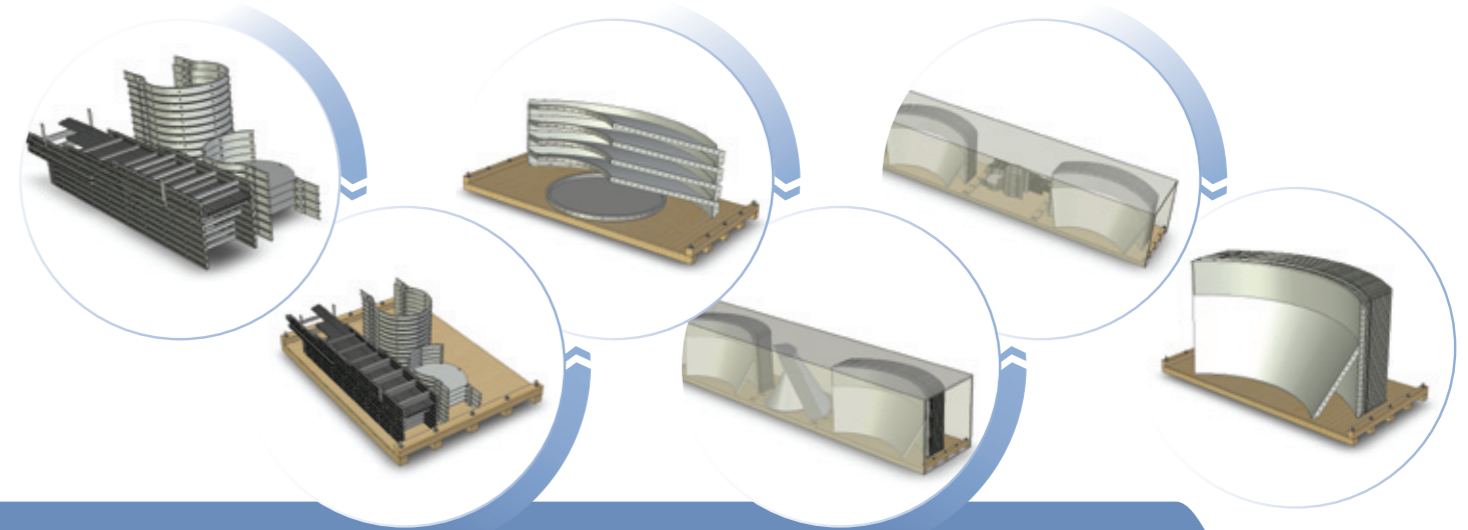
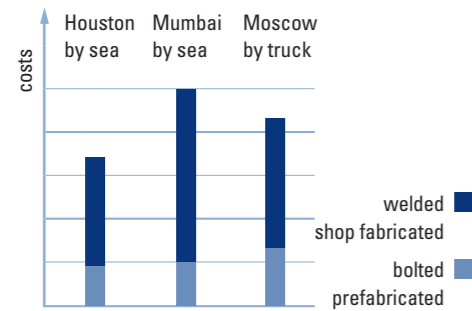
- » Practical modular construction
  - » low freight charges
  - » easy and quick assembly
  - » assembly inside building
  - » low assembly costs
  - » subsequent increase of the silo capacity
  - » planning reliability
  - » flexible location
  - » internal special seals ensure very high leak tightness
  - » weathering resistant
- = maximum profitability with highest Zeppelin quality**

**Zeppelin Bolt-Tec Design silos innovative & quick**

Thanks to the innovative technology for joining and assembling silo sections, long-haul freight transport – which represent a substantial share of the total costs – can be reduced significantly. The use of standard containers rather than wide load trucks allows an exact calculation of the transport freight charges and the assembly costs whatever the location of your plant. This ensures you planning reliability right from the project stage. Various methods of payment and financing are available (operating or capital lease, etc.).

With the new Bolt-Tec Design silos, high freight charges, expensive assembly operations and damage to silos during transport are things of the past. The silos can „grow“ to meet your changing requirements: should you ever require larger storage capacities in the future your silo can be quickly retrofitted without difficulty. Furthermore, Bolt-Tec Design silos can be easily dismounted and reinstalled at another location.

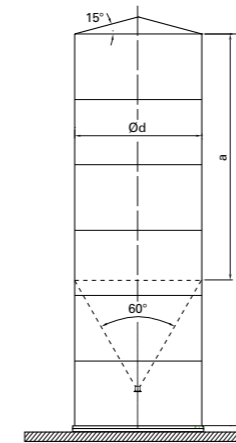
**A clear example:** Whether transport by sea or by truck – long-haul transport costs are significantly reduced.



**Smart technology:**

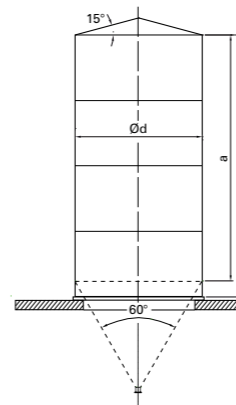
The different silo segments are transported to site in containers. Thanks to clever loading planning, no transport space is wasted.

Silo with long skirt and base ring for full support



Volume [m³]	d = 4050 mm		d = 5400 mm	
	a [mm]	b [mm]	a [mm]	b [mm]
64	3600	8300	97	8300
90	5680	10380	145	10380
117	7760	12460	193	12460
144	9830	14530	240	14530
170	11910	16610	288	16610
197	13990	18690	335	18690
224	16060	20760	383	20760
250	18140	22840	431	22840
			478	24910

Silo with short skirt and base ring for full support



Volume [m³]	d = 4050 mm		d = 5400 mm	
	a [mm]	b [mm]	a [mm]	b [mm]
64	3600	4150	97	4150
90	5680	6230	145	6230
117	7760	8300	193	8300
144	9830	10380	240	10380
170	11910	12460	288	12460
197	13990	14530	335	14530
224	16060	16610	383	16610
250	18140	18690	431	18690
			478	20760



## Global presence

- » Germany
- » Belgium
- » Brazil
- » USA
- » China
- » Singapore
- » United Kingdom
- » France
- » Russia
- » Saudi Arabia
- » Italy
- » Korea
- » India

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