

## Engineering Design Solutions for Bulk Storage and Material Handling



**Comprehensive Engineering Advantage**

Bulk and liquid storage facilities are complex entities requiring in depth engineering design capabilities. Facility Engineering Services, PA specializes in bulk material storage systems. We have experience with many of the major design standards for bulk and liquid storage structures including AWWA D100 , ACI 313, ACI 350, API 650, API 620, ASABE 433 and many foreign standards. Engineers who understand the unique requirements of bulk material storage and handling facilities can help you achieve functional and economical designs.

Facility Engineering Services, PA also specializes in material conveyance systems. Our engineers are familiar with the design conveyors, pneumatic, and liquid conveyance systems. We also have extensive experience with dust control systems. Projects we have worked on include tank farms, ethanol processing facilities, grain storage, cement storage, coal handling, wood storage, general industrial bulk storage, and many other types of facilities.

### Client Advantages

- Highly experienced staff
- Understanding industries served
- Staff has extensive plant experience
- Full service design



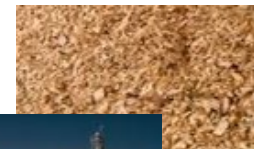
### Comprehensive Advantage

- Increased speed of delivery (time saved)
- Better coordination (fewer errors)
- Decreased costs (money saved)
- Greater productivity
- Higher-quality work.



### Capabilities:

- Planning
- Remodeling
- Expansions
- New Facilities
- Cost Determination
- Site Selection



### Materials

- Wood
- Biomass
- Coal
- Fly Ash
- Bed Ash
- Grains
- Others



### Disciplines:

- Process Engineering
- Mechanical Engineering
- Electrical Engineering
- Facility Layout and Planning
- Building and Structural Engineering
- Project Management

**Facility Engineering Services, PA**

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