

Engineering Design Solutions for Biomass/Bioprocessing Facilities



Comprehensive Engineering Advantage

Facility Engineering Services, PA

Biomass/Bioprocessing is a new and emerging industry in the US. In the same light, it as old as human history. Biomass processing and conversion facilities incorporate a large number of aspects of today's agricultural processing facilities including heat and power generation. Other facilities may require pelleting and material handling systems. They are complex entities requiring a systems approach to engineering design. As technology improves, the importance of facility and process integration will grow.

As a full service engineering firm, Facility Engineering Services, PA is uniquely different from other engineering firms. Facility Engineering Services, PA uses a "process-centered" design approach. The approach involves integrating traditional engineering disciplines to focus on how the facility and/or process works as a whole. Supplementing this collective approach is an innate understanding of the industries that we serve.

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



Biomass Types

- Algae
- Woody
- Herbaceous Biomass
- Lignocellulostic
- Seed
- Biomass Forms Loose
- Baled
- Pelleted Processing Facilities



Disciplines:

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

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