



**TPI Engineered Systems, Inc.**  
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**Engineered Systems**  
*Systems Engineering and Design*

Handling Biofuels can be tough, but TPI has the required experience to design and fabricate the needed conveyors throughout the entire process, including transfer towers, supports & structural steel. We can even provide ancillary process machines to give you:



*“Single Source Responsibility”*



Let TPI design the system you need to turn waste wood, sawdust and various other types of Bio-solids into boiler fuel or Biofuel Pellets.



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At this location, a brown-field project at an old Cement plant, a Bucket Elevator is used to lift the sized-and-dried material to a Flat Bottom Drag Conveyor to distribute product to the old Storage Silos. Other options are possible, but this was the best fit within the confines of this site.



Each of the three “S-Path”, flat bottom drag conveyors receive material from a storage silo and deliver it to multiple surge bins above the pellet mills.



The surge bins each have a Screw Feeder with Tapered Cone Technology to provide a uniform draw-down of product and a smooth, consistent feed to the pellet mills.





With our “Engineered for the Project” approach, we can come up with a range of layouts and options to fit your project into the space you have available.

An Inclined, Cantilevered pile builder Belt Conveyor (Above, including all Supports to grade) allows room for front end loaders to move material to an inclined dual chain Drag conveyor. (Right)



However, Screw Feeders are sometimes a good choice for a reclaimer. Allow us to help you with your layout and design to optimize your productivity and profits when turning raw material into a finished product.

