

Multi-Discipline Engineering

- ◆ Civil/Structural
- ◆ Mechanical
- ◆ Electrical, Controls, & Instrumentation
- ◆ Chemical Process
- ◆ Environmental
- ◆ Architectural

Evergreen Engineering® is a full-service consulting engineering company, with all engineering disciplines, serving the wood products and other industries since 1985. Evergreen has earned a reputation for flexibility, creativity, and innovation in adapting its services to new applications.

By virtue of our familiarity with a wide range of building products and manufacturing plants, and our extensive experience with wood fiber, we are uniquely qualified to support Wood Plastic Composite (WPC) processes and plants. Evergreen is particularly adept with design of the wood fiber side of the process, an area that has often been avoided (by purchasing wood flour as raw material) or poorly handled for WPC plants.

In addition, Evergreen has associates with specific technical expertise in extrusion and compounding technology so that we can field a project team that covers all aspects of a WPC extrusion plant. Evergreen's staff has hands-on operational experience with an extrusion WPC plant, so we can factor real-world operational and maintenance considerations into our design. Finally, Evergreen understands the importance of finishing the job ... so we offer technical support through construction, start-up, and commissioning.

Evergreen can address specific opportunities, improvements, retrofits, and expansion projects at existing plants. Or we can provide design and installation support for complete new plants, up to and including turnkey projects.

Please contact us with any questions you may have. We will be pleased to offer our assistance.

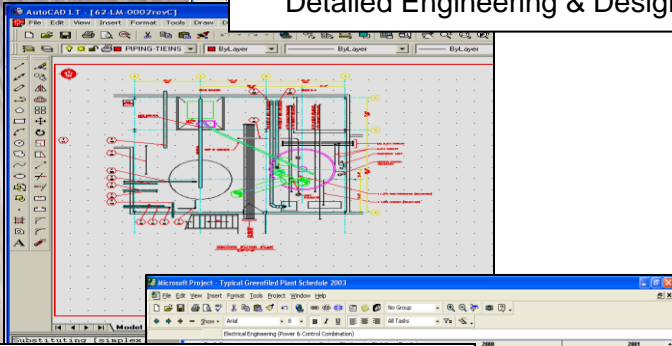


WOOD-PLASTIC COMPOSITES (WPC)

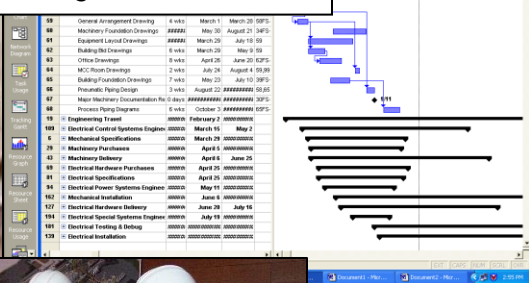
Preliminary Engineering & Cost Estimates

DESCRIPTION	QTY	UNIT	COST	TOTAL
Site Prep	1	1000.00	1000.00	1000.00
Excavation	1000	1.00	1000.00	1000.00
Foundation	1000	1.00	1000.00	1000.00
Structure	1000	1.00	1000.00	1000.00
Interior Finish	1000	1.00	1000.00	1000.00
Exterior Finish	1000	1.00	1000.00	1000.00
MECHANICAL	1000	1.00	1000.00	1000.00
ELECTRICAL	1000	1.00	1000.00	1000.00
PLUMBING	1000	1.00	1000.00	1000.00
PAINTING	1000	1.00	1000.00	1000.00
LANDSCAPE	1000	1.00	1000.00	1000.00
CONTINGENCY	1000	1.00	1000.00	1000.00
TOTAL			10000.00	10000.00

Detailed Engineering & Design



Project Management Services



Construction Management Services



Commissioning & Start-up Support



Evergreen Engineering®, Inc., has been active in WPC since our first project in 1997 - preliminary engineering for an extruded panel plant designed for auto panels.

Recent projects include:

- Materials preparation and handling for a WPC decking plant
- Fire safety reviews for two WPC decking plants for another manufacturer
- Process development support and market assessments for a WPC technology company
- Business planning for a wood products company
 - Wood flour from residuals
 - WPC compounded pellets
 - WPC products to complement existing product lines

We support WPC manufacturers, wood products companies interested in entering the WPC market, technology companies, and others with any type of interest in WPC. We can address business strategy and marketing, product development, plant operations, and process and product technical issues.

Call Evergreen for information on our services and how we can help your company with WPC.

We can do it all!

