



REUSABLE RECYCLABLE PLASTIC CONSTRUCTION TEMPLATE PROJECT

I. EXECUTIVE SUMMARY



© Jamie Cowan / Getty Images
Figure 1. Landfills Exist In Every Country

THE BUSINESS MISSION

Jiangsu Jinshe Construction Materials Technology Col, Ltd, founded in 2011, produces plastic building forms, or templates, for professional construction companies. The company has an annual output of 300,000 square meters (322,917 square feet) of plastic construction forms, or templates which in 2012 had an annual production capacity of 1,000,000 square meters (10,763,910 square feet). Plastic template is a new kind of building form (template). It can completely replace traditional steel and wood forms. The raw material for the plastic templates is the disposable plastic (i.e., mass “white pollution”) from all sorts of plastic waste abandoned in the cities and country sides throughout the entire world. The plastic construction templates can be used up to 30 times before replacement and they can be recycled again and again without limitation.

The goals for both Phase I and Phase 2 are to establish factories with each having fifty production lines capable of producing 12 million square meters (129 million square feet) of plastic construction panels. To meet the goals \$75 million USD will be required for funding each manufacturing facility or \$300 million USD for each group of four factories planned for Phase 1.

Likewise and assuming insignificant inflation, \$300 million USD will also be required for the development of four manufacturing plants, each having fifty production lines, to be developed during Phase 2

OBJECTIVES:



Figure 2. A Jetty Loaded with Discarded Plastic



Figure 3. Used Plastic Templates for Recycling



Figure 4. Factory Buys and Recycles Used Plastic Templates

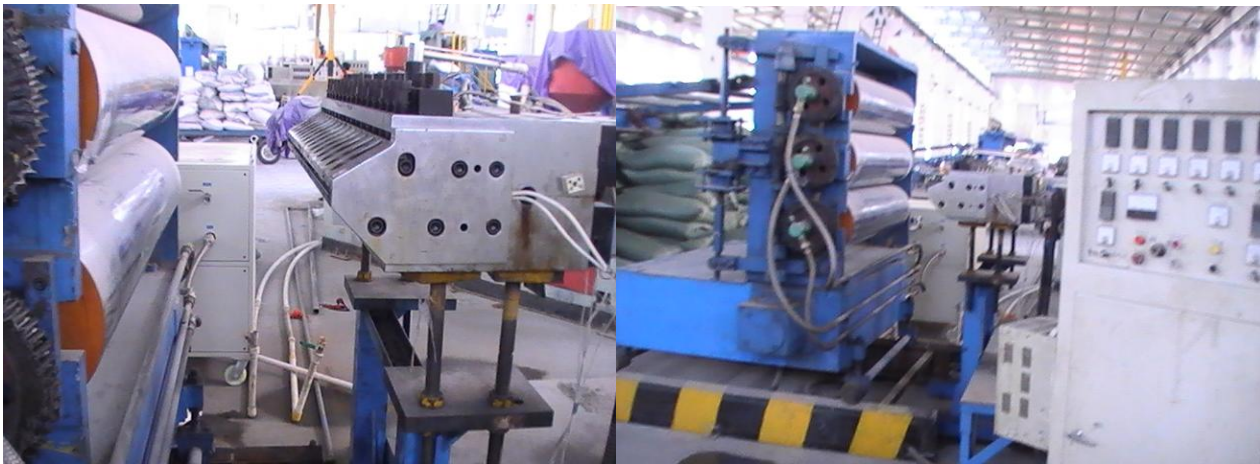


Figure 5. Production Rollers



Figure 6. Conveyers



Figure 7. Templates Packaged for Delivery

The plastic construction templates are packaged for delivery, as shown on Figure 7, and stored until they are placed on trucks for delivery to the construction site.

Trucks arrive at the factory to pick up the finished templates and deliver them to the job site, as shown in Figure 8.



Figure 8. Templates Loaded on Trucks for Delivery

The plastic construction templates are delivered at the job site and positioned at convenient locations within the existing structure, as shown in Figure 9.

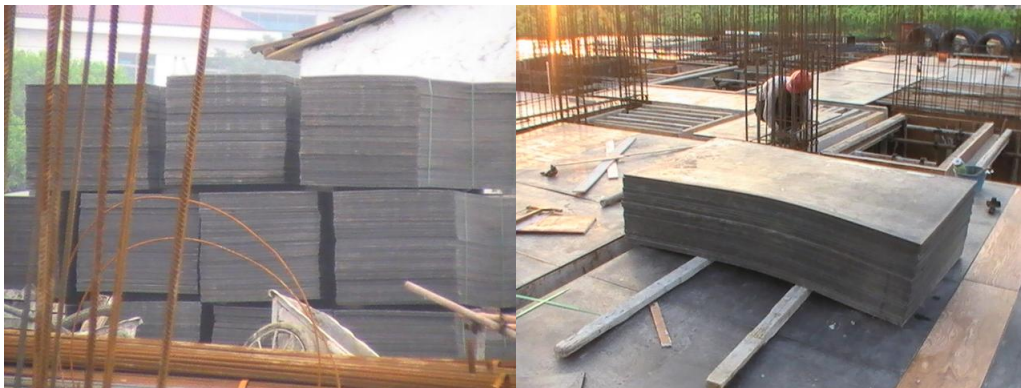


Figure 9. Templates Are Delivered at Job Site

In Figure 10, workers use the templates in the construction of forms in which concrete is poured.



Figure 10. Plastic Construction Templates Are Used to Construct Forms for Poured Concrete

Figure 11 shows forms that have been removed. The forms are ready to be re-used or sold back to the factory at 1/3 of the price of new templates for recycling (depending on how many times they have been re-used).



Figure 11. Plastic Construction Templates Can Be Re-Used or Sold to Factory for Recycling

Large high-rise etc., require templates, as



structures, such as apartments, office buildings, dams, mines, many plastic construction shown in Figure 12...

Figure 12. Large Buildings Require Many Templates

Physical Specifications:

Thickness	Width	Length	Average Weight
12mm	915mm (36.02 inches)	1830mm (72.05 inches)	21kg (46.2 lbs)
15mm	915mm (36.02 inches)	1830mm (72.05 inches)	26kg (57.2 lbs)
18mm	915mm (36.02 inches)	1830mm (72.05 inches)	36kg (79.2 lbs)
12mm	1000mm (39.37 inches)	2000mm (78.74 inches)	25kg (55 lbs)
15mm	1000mm (39.37 inches)	2000mm (78.74 inches)	35kg (77 lbs)
18mm	1000mm (39.37 inches)	2000mm (78.74 inches)	44kg (96.8 lbs)

COMPETITIVE EDGE

Plastic construction templates are consistent with Green initiatives. They do not add to pollution; they are highly efficient, low cost, renewable products that are recyclable with no limits, as explained below:

Advantages

- a. **Continuous, Abundant Supply of Raw Materials.** The raw materials that are used for producing this plastic building template are PE and PP waste products that are discarded in every city and landscape in every country of the world.
- b. **Used Templates Are Sold Back to Manufacturer.** All the plastic building templates can be sold back to the manufacturer at a 1/3 price of the new template when it was damaged or broken after being used up to 30 times – a significant cost savings for the buyer (or end user).
- c. **Unlimited Recycling.** The need to buy raw materials for forms is eliminated because the damaged plastic building templates can be renewed by being recycled an unlimited number of times.
- d. **Worldwide Demand.** A huge market demand exists in every country: Plastic building templates can be used in building (1) single family and multi-family homes; (2) hotels, (3) high-rise buildings(4) apartment buildings, (5) mines, (3) bridges, (4) tunnels, (5) ports, and other concrete structures
- e. **Environment Friendly “Green” Products.** Plastic construction templates are “Green” products: They are smoke-free and do not have any toxic and harmful gas emissions. Many trees can be saved and protected because the need for wooden forms shall be virtually eliminated. in the construction fields identified in the Paragraph d (above)
- f. **ROI in 3.5 Years.** Time to recoup Returns on Investments (ROI) can be reduced significantly: The total investment can be returned in 3.5 years which includes the construction of a new factory.

Detailed descriptions of plastic building templates are as follows:

Building forms (templates) are used extensively in building concrete structures. Concrete formwork construction cost usually accounts for 20% to 30%, representing 30% of the amount of labor to 40%, accounting for about 50% of duration.

Templates directly affect the quality, cost and efficiency of construction. Therefore, the availability and use of innovative products, such as plastic construction templates, are important factors to be considered for commercial construction projects.

As a result of their affordability, water resistance, reusability, and recyclable characteristics, plastic construction templates are truly “Green” products by reducing the amounts of recyclable trash that accumulates in every country of the world. The product will gradually replace the wood members in the template construction, therefore saving timber resources, (e.g., saving trees to optimize the environment and their huge roles in removing carbon emissions).having the potential to revolutionize the construction template market.

New plastic templates have all the advantages of natural wooden forms plus many more.

Our company produced a new type of plastic building templates with superior performance. They are light weight, have long service life, and require less labor and less time than conventional wooden forms that are widely used in the construction of high rise buildings, bridges, and many other structures. The characteristics of plastic construction templates are:

- High strength
- Impact resistant
- Abrasion resistant
- Long life
- Low turnover rate
- Re-usable up to 30 times
- Unlimited Recycling
- Full use of waste materials that can significantly reduce construction costs of pouring concrete
- “Green” products: Smoke-free and no toxic and harmful gas emissions
- Length can be adjusted according to project needs, thereby reducing the number of joints and to improving the efficiency of formwork.
- No deformation: there is sufficient mechanical strength the prevent warping and cracking.
- Water resistant: Does not leak in long-term immersion in water
- Non-foaming, plate size and stability
- Toughness: template surface does not change
- Easy stripping by removing the bottom support
- Polymer material has smooth surface that does not require polishing or buffing
- Reduced cleaning and maintenance costs
- The object surface that is cast is smooth and beautiful, after pouring of concrete walls to achieve the water requirements, minus the two walls times plastering process, can be directly attached to the surface decoration, reduced duration of 30%
- Corrosion resistant: The product’s acid and alkali are good corrosion resistant compounds making it ideal for coastal areas, underground engineering, mining, dams and other corrosive environments. Plastic construction templates do not need preservative treatment, and the templates do not pollute the concrete surface.
- Machine able: Sawing, drilling, vertical and horizontal connections can be any combination of nails, sawing, or drilling. The performance of plastic construction templates is superior to that of wood, plywood and small steel; Plastic templates can be machined into various shapes.

- Convenient construction: installation and removal easy, fast, safe, easy to operate, support, conducive to the organization, construction, may effectively improve the construction schedule

In summary, the plastic building templates, having more features than conventional templates will become the twenty-first century building construction template use in China, and perhaps the world.

Advantages

- g. Continuous, Abundant Supply of Raw Materials.** The raw materials that are used for producing this plastic building template are PE and PP waste products that are discarded in every city and landscape in every country of the world.
- h. Used Templates Are Sold Back to Manufacturer.** All the plastic building templates can be sold back to the manufacturer at a 1/3 price of the new template when it was damaged or broken after being used up to 30 times – a significant cost savings for the buyer (or end user).
- i. Unlimited Recycling.** The need to buy raw materials for forms is eliminated because the damaged plastic building templates can be renewed by being recycled an unlimited number of times.
- j. Worldwide Demand.** A huge market demand exists in every country: Plastic building templates can be used in building (1) single family and multi-family homes; (2) hotels, (3) high-rise buildings(4) apartment buildings, (5) mines, (3) bridges, (4) tunnels, (5) ports, and other concrete structures
- k. Environment Friendly “Green” Products.** Plastic construction templates are “Green” products: They are smoke-free and do not have any toxic and harmful gas emissions. Many trees can be saved and protected because the need for wooden forms shall be virtually eliminated. in the construction fields identified in the Paragraph d (above)
- l. ROI in 3.5 Years.** Time to recoup Returns on Investments (ROI) can be reduced significantly: The total investment can be returned in 3.5 years which includes the construction of a new factory.

PROJECT MANAGEMENT



Mr. Tin Shing Hau / Hudson Hau-planning, constructing, equipping, and operating more manufacturing plants for the production of the plastic construction templates.



Mr. Zhang Ai Min

is the Business Owner and Chairman of the Board for Jiangsu Jinshe “Construction Materials Technology Col, Ltd.”, as well as the inventor of the Reusable Recyclable Plastic Construction Template.

II. FINANCIALS

Projections

A. Investment Capital

The total investment capital is \$473,707,000.00 RMB (about \$75.19 million USD where \$1 USD equals approximately \$6.3 RMB). Investment capital is subdivided into the six categories shown in Table A.

Table A. Investment Capital

Activity	Estimated Cost (RMBx10 ⁶)	Estimated Cost (USDx10 ⁶)
Assets	¥405.273	\$64.33
Engineering Construction Fee	¥100.32	\$15.92
Equipment Purchasing	¥212	\$33.65
Equipment Installation Fee	¥20.6	\$3.27
Engineering Construction And Other Fees	¥53.057	\$8.422
Basic Capital in Reserve	¥19.299	\$3.06
Daily Working Capital And Raw Material Purchasing	¥68,433,000	\$10.86

Note: \$1 USD equals about ¥6.3 RMB

B. Annual Sales Analysis

A total of 50 production lines per factory are planned to be purchased and installed. The annual production capacity of each single production line is 250,000 square meters. The annual production capacity of 50 production lines will be 12 million square meters (129 million square feet). Table B shows the annual sales for production line capacity for one factory.

The total weight of the plastic building template to be produced is 162,500 tons per factory.

The current sales price of this plastic building template is ¥120 RMB (\$19 USD) per square meter. The annual sales income will be \$1.5 billion RMB (\$238 million USD) per factory or ¥6 billion RMB (\$952.4 million USD) for each group of four factories.

Table B. Annual Sales

Capacity per Production Line (Square Meters)	Planned Production Lines	Annual Capacity per 50 Production Lines (Square Meters)	Annual Capacity per 50 Production Lines (Square Feet)
250,000	50	12,500,000	134,500,000

C. Prime Cost Analysis

The total prime cost is \$901.457 million RMB (\$143.1 million USD).

Table C shows the prime cost items that were analyzed.

Table C. Prime Cost Analysis

Activity	Estimated Cost (RMB10 ⁶ x) Per Year	Estimated Cost (USD x 10 ⁶) Per Year	Comments
Raw Materials Per Year	¥663	\$105.28	165,816.3 tons @ \$4,000 RMB (\$635 USD) per ton
Electric Power Consumption	¥65	\$10.4	65 Million Kilowatt Per Year @ 1 RMB (\$0.16 USD) Per Kilowatt
Wages and Welfares of Workers	¥15.6	\$2.972	300 workers @ average wage of \$4000 RMB (\$635 USD) per month, \$635 x 13 months (1 month wage as workers welfare)
Cost of Depreciation of Equipment	¥29.96	\$4.76	
6. Scientific Research and New Product Development Fee	¥36	\$7.3	Approximately 3% of Total Annual Sales
7. Financial Accounting Fee	¥47.3707	\$23.8	Total Annual Capital Interest Accounts For 10% Of The Total Investment Capital.

Note: \$1 USD equals about \$6.3 RMB

D. Taxes

The total profit before taxation is \$298.54 million RMB (\$47.39 million USD).

The annual tax is 15%, or \$51.886 million RMB (\$8.236 million USD).

The value added tax is \$58.80 million RMB (\$9.33 million USD).

E. Net Profits

The net profits after taxation are \$187.85 million RMB (\$29.82 million USD).

F. Capital Return Period Of Time

The total investment capital return period of time is approximately 3.3 years.

G. Jobs Created

More than 1,000 jobs will be created per project.

III. SUMMARY:

We are seeking **\$300,000,000 million USD** to fund this project. The plan projects that "THE REUSABLE RECYCLABLE PLASTIC CONSTRUCTION TEMPLATE PROJECT", once completed, the current sales price of this plastic building template is ¥120 RMB (\$19 USD) per square meter. The projected annual sales income will be \$1.5 billion RMB (\$238 million USD) per factory or ¥6 billion RMB (\$952.4 million USD) for each group of four factories. \$238**millionUSD** in the first year of operation with a net of \$187.85 million RMB (\$29.82 million USD) and experience conservative 10% annual increases each following year for the next 3.3 years.

For further information please contact:

Contact:

Annalen T. Florida

Principal's Representative

Company website: <http://plasticrecyclingproject2.weebly.com/index.html>

mobile: +639336688893

direct email: annalen.florida@gmail.com

skype: annalenflorida