

COMPANY PROFILE

CIRCULAR BUSINESS MODEL

Plastic Waste
Management Service

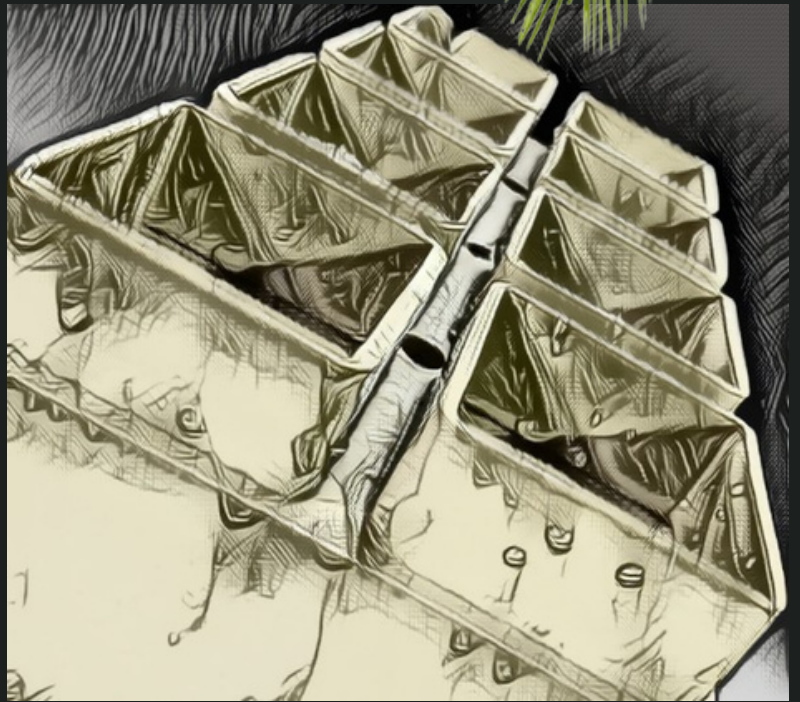


**BIGGER
BRICK**

ABOUT US

INDUSTRIAL PLASTIC WASTE MANAGEMENT SYSTEM.

The production and use of plastics around the world will likely increase in the years to come. Bigger Brick creates a value chain to eliminate the plastic-waste leakage and increase plastic circularity. We provide solutions to find the right fit-for-purpose solutions for your plastic waste that can be utilized back into the system.



OUR TEAM

BEST TEAM COMPANY

MR. MUHAMMAD

C.E.O Bigger Brick.
Member of Circular Economy
Alliance.



MRS. MAJEDA

Director Bigger Brick.
Public Speaker
Social activist.



BITTER FACTS

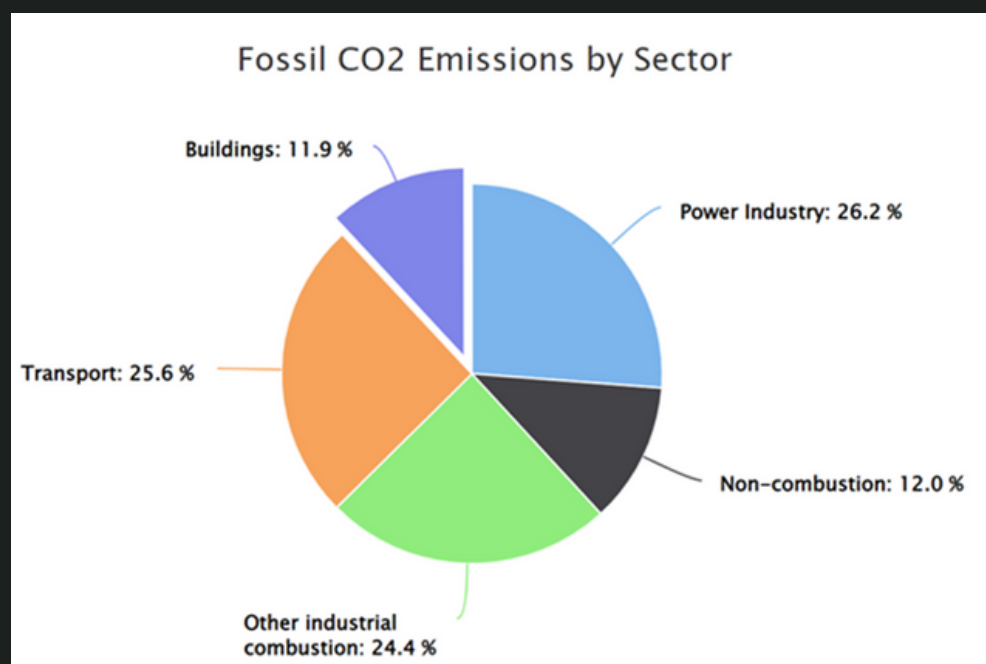
CIVIL WASTE:

All around the world, governments, companies, and NGOs have committed to minimizing raw material usage in the real estate and construction industry as the demand for such materials keeps rising. More than half of all greenhouse gas emissions relate to materials management activities. A shift towards circularity is pressing but remains a challenge.

The demand for raw materials continues to increase worldwide. Consumption of raw materials is set to nearly double by 2060. The construction industry is one of the largest producers of waste. Thus, a new perspective towards materials is needed. Reusing materials reduces the consumption of raw materials and depicts a first step from a linear to a circular economy. The transition to a circular economy is essential in achieving the objectives of the Paris Agreement. Many governments have therefore set themselves the goal of stimulating a transition to a fully circular economy. While the construction and real estate sector are mainly financially driven, moral and social arguments prevail in the discussion around circularity. Making the morally desirable financially attractive could speed up the transition.

Over the last decade there has been an increased focus on circularity in construction and real estate. Initiatives range from reusing materials and design for deconstruction to efforts to establish marketplaces for used building materials. However, in order to transition to a fully circular construction industry, reuse of materials from the built environment should increase.

The building and construction industry can make a major difference when it comes to climate impact and preservation of resources, as they represent 39% of global GHG emissions (production, transport & incineration) and 60-70% of total waste.



(Embodied carbon is the carbon footprint of a given material)

Essentially, it looks at the level of greenhouse gases being released throughout the supply chain of the material, and how this is contributing to overall emissions from the construction sector.

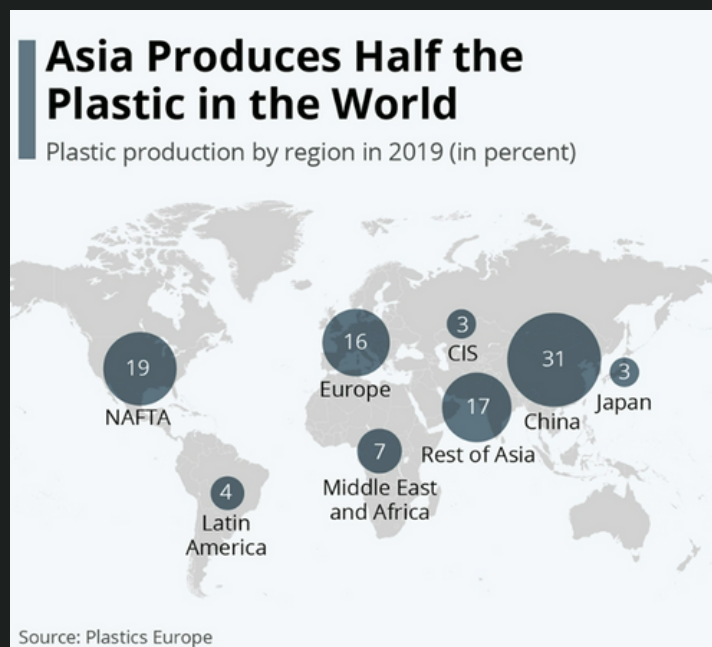


The measurement for embodied carbon runs throughout the entire life-cycle of the material and the building it is moved into; it's a "cradle" to "grave" system. But, from the word go, the ramifications of embodied carbon cannot be reversed. Once the embodied energy has been released, the time for improvement has run a mile.

PLASTIC WASTE:

Plastic pollution is one of the gravest threats facing the world. According to the UN environment programmed, plastics account for nearly 85% of marine pollution, with around 75-199 million tons in the ocean. And plastics production is expected to double over the next 20 years.

Plastic pollution presents a serious threat to biodiversity, particularly for marine life as it can be easily ingested thereby resulting in the choking, injuring, poisoning, or starving of marine animals. It also directly contributes to climate change. The growth in plastics will result in substantial increases in global greenhouse gas emissions – from 1.7 Gt (billion tons) of CO₂-equivalent (CO₂) in 2015, to 6.5 Gt (billion tons) CO₂ by 2050. The International Energy Agency (IEA) estimates that it will become the largest driver of oil demand, accounting for almost 50% of the growth in oil demand by 2050.



In 2018, about 80 million metric tons of plastic waste were not managed to international standards, including via open dumping, open burning, and substandard landfills. Five million to ten million metric tons of waste also ended up in the ocean

Indeed, Asian countries, including China, India, Indonesia, Thailand, and Vietnam, account for about 85 percent of mismanaged plastic waste globally. Overall, about 15 countries contribute about 80 percent of total global plastic waste, which amounts to 270 million metric tons each year.

BIGGER BRICK

A GAME CHANGER

Solving the global plastic waste crisis is a massive endeavor. Our patented diversion platform, the Bigger Brick System, is an eco-friendly, scalable system that enables our partners to take control of their community's plastic waste.

Bigger Brick repurpose any category of plastic waste without sorting, cleaning, or pre-processing – empowering communities to put their plastic waste to work for good – locally.

We are “the first construction-grade building material made entirely of recycled, and often un-recyclable, plastic waste.” Named Bigger Brick, the interlocking blocks use the same principles as LEGO allowing for blocks to be pieced together to form retaining walls, sheds, privacy fencing, accent walls, landscaping, offices, labs, and furniture.

To create Bigger Brick, we collect discarded plastic, which is shredded and superheated before being fused into the completed block with no fillers or adhesives used. The blocks are sized to the same dimensions as standard concrete blocks (12x6x6 inches) but generate 41% less greenhouse gas emissions than concrete blocks during manufacturing, and hold better thermal resistance value despite being much lighter.

"Every Brick prevents 2.2 pounds from being landfilled or incinerated"

Performance credentials of the Bigger Brick includes water and heat resistance, make it more energy efficient by lesser use of conditioning and compatibility with finishing materials such as stucco, drywall, plaster, siding, and paneling and even customized paint. The type of plastic used is completely inflammable, it can resist heat upto 230 degree and de-shape after.



OUR SERVICES

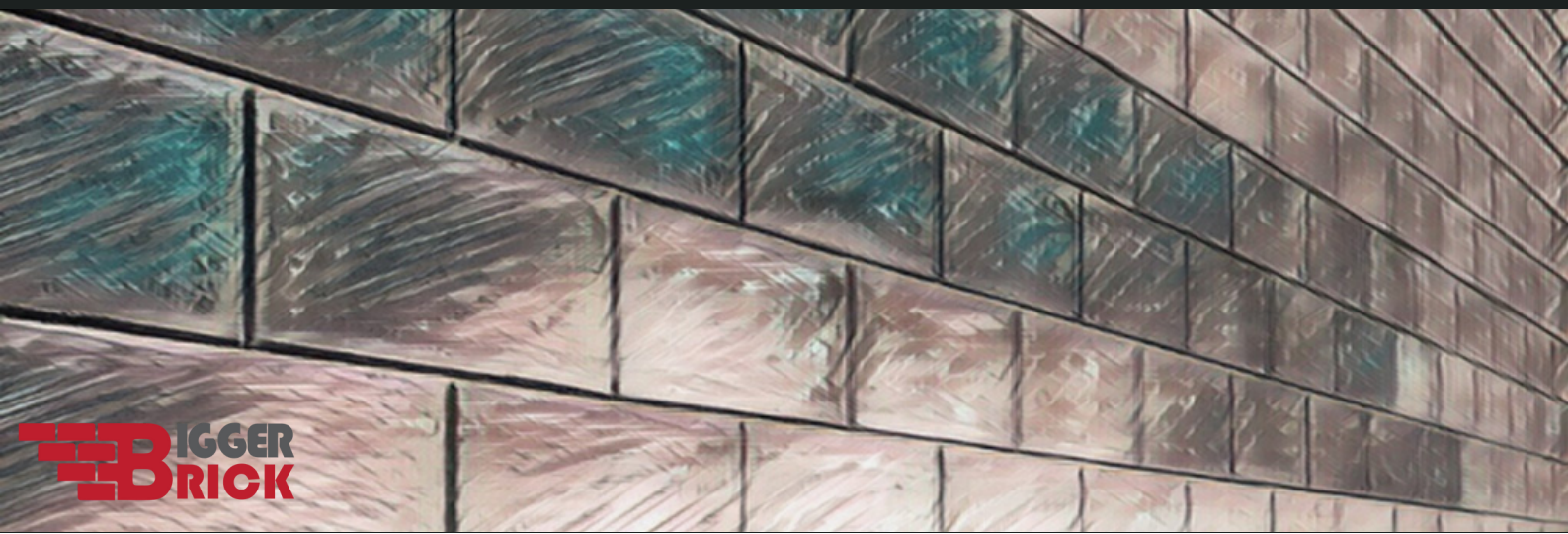
Bringing the plastic waste back to the market can open up totally new development paths for innovative product development and business solutions. Our match-making Ecosystem includes a wide range of partners and suppliers, who represent cutting edge technology and knowhow.

Reusing and recycling your plastic waste helps your company save on raw material costs and consequently on production costs, which translates into better profitability. Designing your products and packaging in a more sustainable way in the first place, such as by introducing recycled material into the production of e.g., new packaging, sets high quality standards on the circular plastics value chain.

In co-operation with our partners, we provide business and project development solutions, that include:

- Plastic recycling concepts
- Plastic waste process planning
- Plastic waste project management
- Access to investors
- Access to raw material buyers
- Best practices in sustainable packaging design

**AN IMPORTANT ASPECT OF SUSTAINABLE BUSINESS
MODELS IS INNOVATION**



MOTTO:

"TRASH IS TREASURE"

BRAND VISION:

COLLECT IT.
MELT IT. SHAPE IT.
BRICK IT.

BRAND MISSION:

THE MISSION OF BIGGER BRICK IS TO PROVIDE PLASTIC WASTE MANAGEMENT SERVICES, PROTECT THE ENVIRONMENT, AND PROMOTE RECYCLING IN ORDER TO ENSURE A SAFE AND HEALTHY COMMUNITY FOR CURRENT AND FUTURE GENERATIONS.

DRAGON GOALS

1. ELIMINATE THE DISPOSAL OF RECYCLABLE PLASTIC MATERIALS AT LANDFILLS.
2. MINIMIZE STAKEHOLDER GREENHOUSE GAS EMISSIONS.
3. PROVIDE SUSTAINABLE FIT-FOR-PURPOSE PRODUCT FOR INDUSTRIAL USE.
4. PROVIDE PLASTIC FREE OCEANS FOR MARINE LIFE.



OUR VALUES

COOPERATIVE WORK CULTURE

GREENER CARBON FOOTPRINT

POWER OF HUMAN MIND

KNOWLEDGE & RESEARCH

INNOVATION & TECHNOLOGY

WASTE TO BEST CONVERSION

RELIABLE, RESPONSIBLE
& COLLABORATIVE BUSINESS

CUSTOMER SATISFACTION



WHY BIGGER BRICK?

Bigger Brick idea have enormous economic value in transforming post-use and difficult-to-recycle plastic into original building blocks that can be used and reused endless times and can continually reintegrated to supply chains as feed stocks for new plastics brick and lowers environmental footprint without the need for virgin materials.



LESS WEIGHT

A concrete construction weights 2,402 kg /cubic mtr
A Bigger Brick weights 70.6 kg/cubic mtr



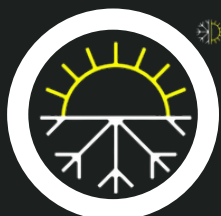
LESS GREEN HOUSE GAS

410 kg of CO2 is released per cubic meter of concrete.
A Bigger Brick created 50% lesser GHG.



HIGH TENSILE STRENGTH

The tensile strength of concrete is 2 to 3 MPA.
A Bigger Brick tensile strength is 46 MPA



THERMAL INSULATION

Bigger Brick has an average thermal conductivity of approximately 0.02-0.05 W/(m/K),
The thermal conductivity of aggregate used in concrete is in the range of 1.163 to 8.6 W/m.K



TIME SAVING

A 10x12 room takes 2 hours to assemble with Bigger Brick.



QUICK TO ASSEMBLE

A lego like assembly makes is easier and quicker to assemble and disassemble without any skilled worker.



END-LESS LIFE

The lift of plastic is more than 2000 years. Bigger Brick have no wastage even after any damage complete block and be recovered to new.

BIGGER BRICK

CORE PRODUCT LINE

100% RECYCLED

2x4

(12 INCH X 6 INCH X 6 INCH)



100% RECYCLED

2x4

(12 INCH X 6 INCH X 3 INCH)



100% RECYCLED

2x2

(12 INCH X 6 INCH X 3 INCH)



100% RECYCLED

2x4

(12 INCH X 6 INCH X 6 INCH)



BIGGER BRICK

ADDITIVE PRODUCT LINE

CRYSTAL BLOCKS

2x4

(12 INCH X 6 INCH X 6 INCH)



SANITARY BLOCKS

2x4

(12 INCH X 6 INCH X 6 INCH)



100% RECYCLED

COLORS

ALL SIZES



BIGGER BRICK

SECOND PRODUCT LINE

100% RECYCLED

PAVERS



100% RECYCLED

PALLETS



100% RECYCLED

CHAIRS



WASTE EXCHANGE PROGRAMME

The aims of the Waste Exchange are:

- Ensure the technological criteria that a certain category of waste must meet in order to be suitable for recycling
- Enable the connection of suppliers of secondary raw materials and potential buyers of such materials
- Promote sustainability by using valuable secondary raw materials
- Create a transparent market for secondary raw materials.

SDG



SDG 12 TARGETS



WASTE EXCHANGE BOOTH AT CITY SCHOOL

Bigger Brick have taken an initiative to step forward and collaborate with not only industry but also every individual, to help them use their plastic waste into fit-for-use products. We offer industry to exchange their plastic waste with our core blocks to build a sustainable eco friendly infrastructure within their facility. We collect it, melt it, shape it and brick it for them. This program does not only help in reducing plastic waste from the system but also helps generating a sustainable circular economy.



PROJECTS



HOSPITAL

AL-NOOR hospital located at Numish, Karachi



VACCINATION CENTER

Temporary setup during emergency



WORKSTATION



THERAPY CENTERS (KDSP)



OFFICES / LABS



POOLS & PONDS

Lets leave a better place
for coming generation

Join Hands
with
Bigger Brick



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