



PRE-ENGINEERED
BUILDINGS CORP

Industrialized Construction with Precision Engineering

More certainty. More speed. More control.

+350

PROJECTS

+15

YEARS OF EXPERIENCE

Traditional construction generates uncertainty

And that uncertainty costs your organization money.



Cost Overruns

Unforeseen issues and rework on site raise the budget between 15% and 40% above estimates.



Delays

Weather, labor shortages, and on-site errors extend schedules by months.



Waste

Material losses, environmental impact, and low on-site productivity.

>> What if you could eliminate that uncertainty?

We are industrialized construction

We are not just a construction company: we are a manufacturing + engineering operation.



EMMA Entity

We operate an industrial plant in the Free Trade Zone (Panama) to manufacture large-scale components and structures, under ISO quality controls and compliance with international seismic standards.

- ✓ Integrated BIM Design
- ✓ Automated Manufacturing
- ✓ Optimized Logistics
- ✓ On-Site Installation



They have trusted Pre-Engineered Buildings

More than 350 projects completed for leading companies in the region.



One team. One schedule.

BIM design, manufacturing, logistics, and installation with full control.

INTEGRATED WORKFLOW: FROM DIGITAL DESIGN TO CONSTRUCTION REALITY



BIM DESIGN

Building Information
Modeling



3D MODEL

Precise 3D design, structural
detailing, and data generation
for direct fabrication.



AUTOMATED FABRICATION

Software-Driven Production



STEEL PROFILE MACHINE

Automated production of
galvanized steel profiles. High
precision, multiple profiles,
software-controlled.



LOGISTICS

Packaging & Site Delivery



LOGISTICS

Efficient packaging, optimized
transport to site, delivery
tracking.



SITE INSTALLATION

Fast On-Site Assembly



SITE INSTALLATION

Fast on-site assembly, integration
with foundations, installations,
and finishes. Time reduction.

Digital certainty: we build before we build

The integrated BIM workflow eliminates surprises on site.

ADVANTAGES OF THE INTEGRATED BIM WORKFLOW

ZERO SURPRISES



ZERO SURPRISES

CLASHES DETECTED IN SOFTWARE, NOT ON SITE.

FULL MEP COORDINATION



FULL MEP COORDINATION

MEP (MECHANICAL, ELECTRICAL, PLUMBING).

PRODUCTION DRAWINGS AND TRACEABILITY



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Production drawings and component traceability.

GREATER COST AND SCHEDULE CONTROL



GREATER COST AND SCHEDULE CONTROL.

Fast on-site assembly, integration with LGS components, installations, and finishes. Time reduction.

Certified Quality and Safety

Quality is not a promise; it is an audited process.

Certificaciones ISO

-  **ISO 9001:** Quality Management
-  **ISO 14001:** Environmental Management
-  **ISO 45001:** Occupational Health and Safety
-  **ISO 37001:** Anti-Bribery Management System

Standards and Performance

-  NSR-10 (Colombia)
-  REP-21 (Panama)
-  IBC and AISC (USA)
-  Automated manufacturing: millimetric precision
-  High seismic performance, designed for decades

Speed = Revenue

Accelerate your return on investment (ROI) by occupying and operating sooner.

Typical Schedule

Traditional

18 months

PEB

4 months

70-90%

faster

380 m²

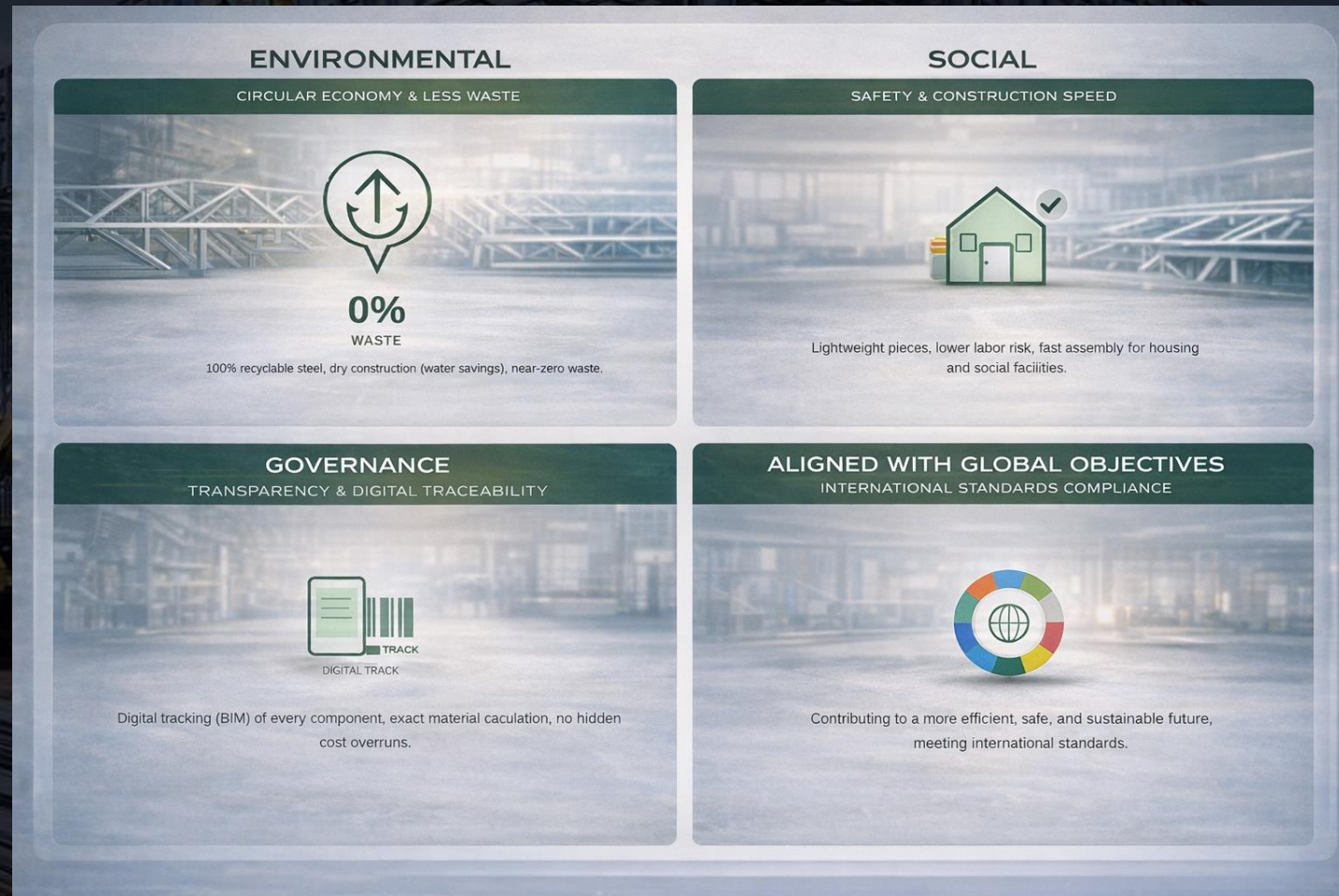
per day per crew

0

unforeseen issues

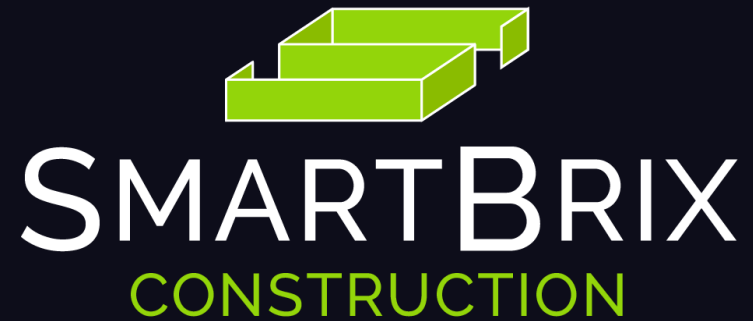
Sustainability (ESG)

Industrialized construction is a more responsible way to build.



Contracting Models and Scope

Two brands, one single integrated operation for your project.



Turnkey prefabricated construction projects: architectural and structural design, manufacturing, transportation, and installation. Also executes complementary civil works, from foundations to finishes.



Designs and manufactures bolted steel structures for industrial, commercial, institutional, and residential projects, complying with REP, IBC, and AISI standards to ensure precision, strength, and reliability.

1

Step 1: Foundation and Site Preparation



The process begins with a clean, cured, and leveled concrete foundation. The exact position of the wall tracks is marked with lines based on shop drawings.

2

Step 2: Wall Panel Assembly



C-profile studs use Zn-Al-Mg coated steel, 275 g/m² total across both faces. Studs are assembled on base tracks to the project drawings, connected with specified self-drilling screws and checked for plumb.

3

Step 3: Floor and Roof Beam Assembly



In multi-story structures or those with roofing, roof beams are installed, securely fastening them to the top track of the wall panels.

4

Step 4: MEP Services Integration



Electrical wiring and plumbing are routed through pre-punched holes in the LGS studs, ensuring that pipes and cables are protected from the sharp edges of the steel.

5

Step 5: Cladding and Insulation



External cladding is installed to provide structural rigidity, followed by the placement of insulation materials within the stud cavities to improve thermal performance.

6

Step 6: Enclosure and Final Finishes



We complete the project with EIFS facade and roofing, ensuring a cool, modern, and leak-free building.

Proven at Scale

Success stories in institutional, educational, corporate, and residential sectors.



National Ministry of Defense

39,000+ m2

Delivered in 8 months



Colegio Santa Luisa

Educational building

Delivered in 3 months



Saint Peters Academy

Full campus

Entrega en 3 meses



Pradera de Potosí

Residential project

650m2 residence

Proven at Scale

Proven results in high-demand projects.



Universidad del Rosario

11,500m2 +

100-day delivery



Gimnasio Fontana

Educational infrastructure

90-day delivery



POB Control Center

CCO Building

Critical operation 24/7



Oficinas Ecopetrol

Remote offices

Sector oil & gas

Support that goes beyond delivery

Your project is protected before, during, and after construction.



Structural Warranty

Assurance on the integrity of the steel structure and critical components, ensuring long-term peace of mind.



After-Sales Support

Technical team available for inquiries, preventive maintenance, and assistance after delivery.



Full Traceability

Every manufactured component has a BIM digital record: piece by piece, with production data and quality control.



Payment Facilities

Flexible contracting schemes and financing options tailored to your project's cash flow.

How we move forward: 4 steps to get started

A clear, efficient, and surprise-free process to bring your project to reality.





PRE-ENGINEERED
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Schedule a technical meeting this week

We will show you how your next project can be faster, more precise, and more profitable.



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Panamá . Colombia . Republica Dominicana