



Team 3:

CLEANSTEP

Re - thinking the way of
building sidewalks



Co-funded by the
Erasmus+ Programme
of the European Union

LATIN AMERICA PRACTICES AND SOFT SKILLS FOR
LAPASSION
AN INNOVATION ORIENTED NETWORK

AGENDA

The Problem

01

The Solution

02

The Benefits

03

The Team

04



HOW TO MAKE
A **CHEAPER** SIDEWALK?

THE PROBLEM



PRICE

materials and **handwork** are highly dependable on the demand



LEGISLATION

owner is responsible for the sidewalk, complex topic on **low-income** areas



USER

loses the **usability, comfort** and **accessibility** from sidewalks

THE SOLUTION

Production of **prefabricated blocks (PF)** with **sustainable materials** and **managing** the process of **acquisition and construction** of the sidewalks.



PF BLOCK

Developing a way of using plastics and waste material, reducing the use of cement



MANAGEMENT

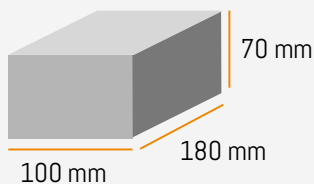
Increasing process efficiency and cutting costs through complete process visualization

THE PF BLOCK

Block characteristics

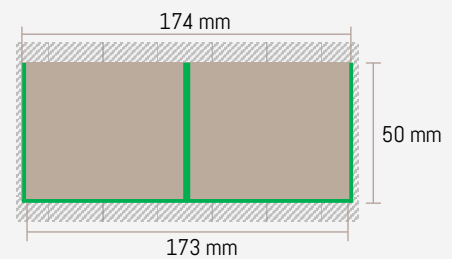
- Plastic (PET)
- Construction site soil
- Concrete

Dimensions

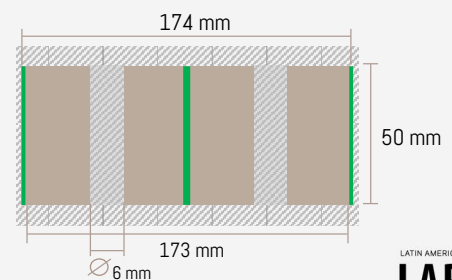


Lateral cut view

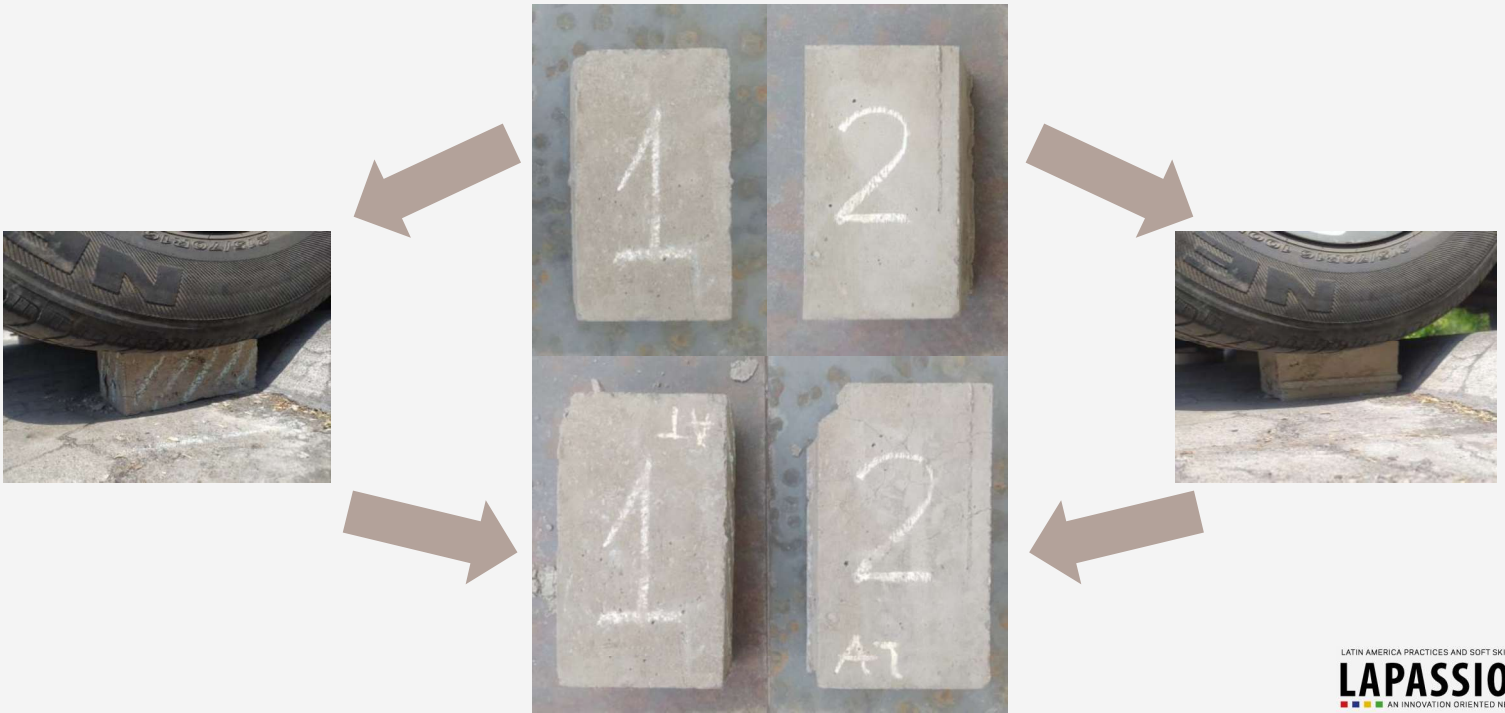
Prototype 1: **70%** waste material



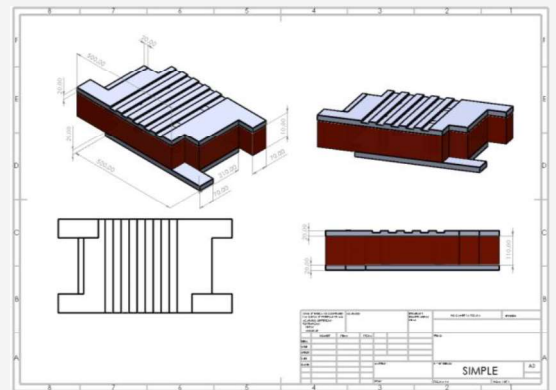
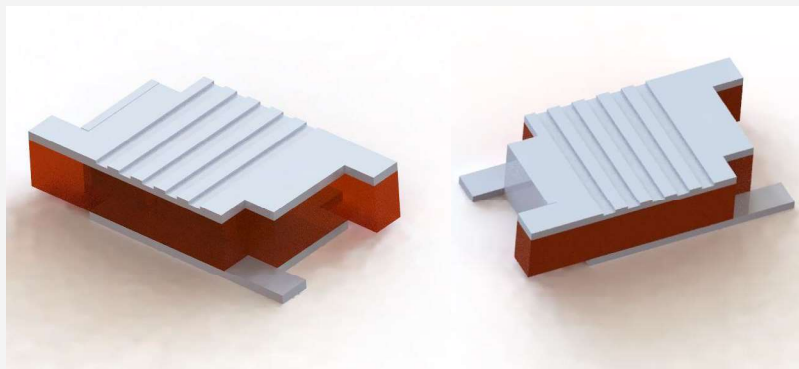
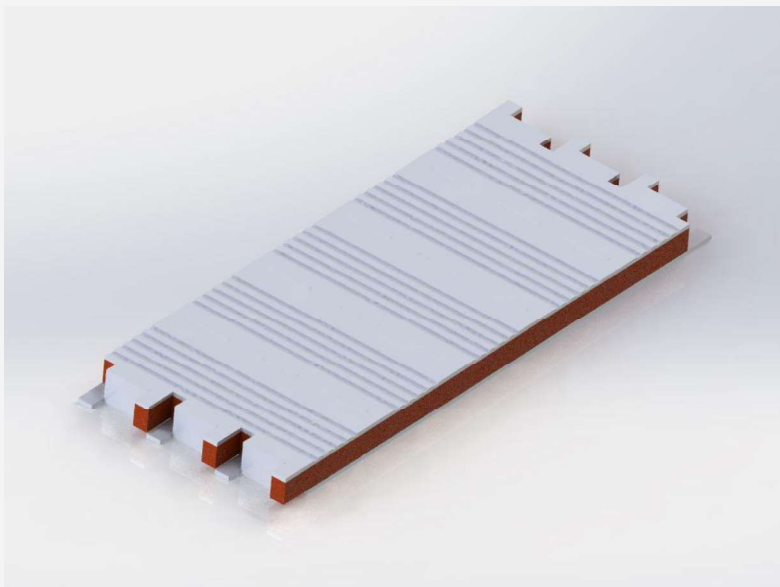
Prototype 2: **45%** waste material



THE TESTING



THE MODELS



THE MANAGEMENT



INFORMATION

MATERIAL
INVENTORY

BLOCK
INVENTORY

SITE
ASPECTS

ACQUISITION



PRODUCTION



CONSTRUCTION

RAW
MATERIAL

BLOCK
PRODUCTION

SIDEWALK
ASSEMBLE

SERVICE

THE BENEFITS



COST REDUCTION

Buying raw materials at low price, and managing the inventory



SUSTAINABILITY

By using 70% of waste material on the block production

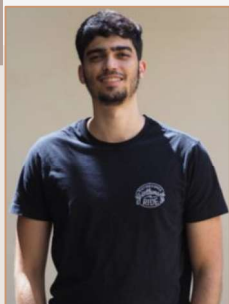


STANDARDIZATION

By being advantageous to build sidewalks with the City Hall solution

THE TEAM

MATHEUS CABRAL



MARTITA BROWNE



SERGIO MARQUEZ



THAÍS POSSEBON



Laís



THANK YOU!

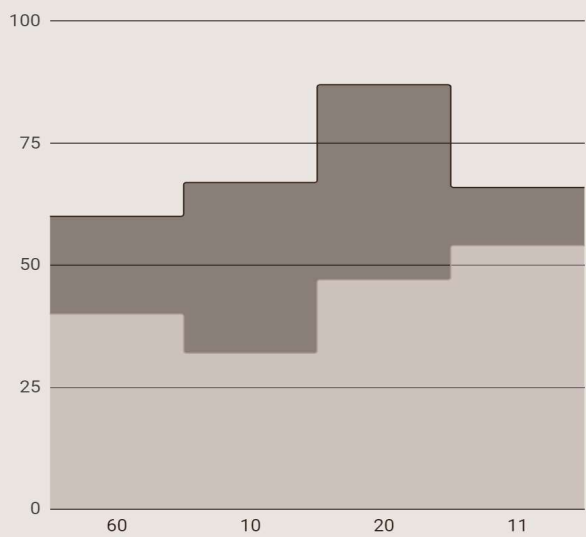
LATIN AMERICA PRACTICES AND SOFT SKILLS FOR

LAPASSION

■ ■ ■ ■ ■ AN INNOVATION ORIENTED NETWORK



OUR NUMBERS



If you want to modify this graph, click on it, follow the link, change the data and replace it

EARNINGS THIS YEAR

VENUS

290

MERCURY

1,000

PROJECTED REVENUE

3,000,000

+20%



THE PERCEPTION

OUR HISTORY

2005

JUPITER

Jupiter is the biggest planet in our Solar System

2008

VENUS

Venus has a beautiful name, but it's terribly hot

2010

MARS

Despite being red, Mars is actually a cold place

OUR HISTORY



2012

MERCURY

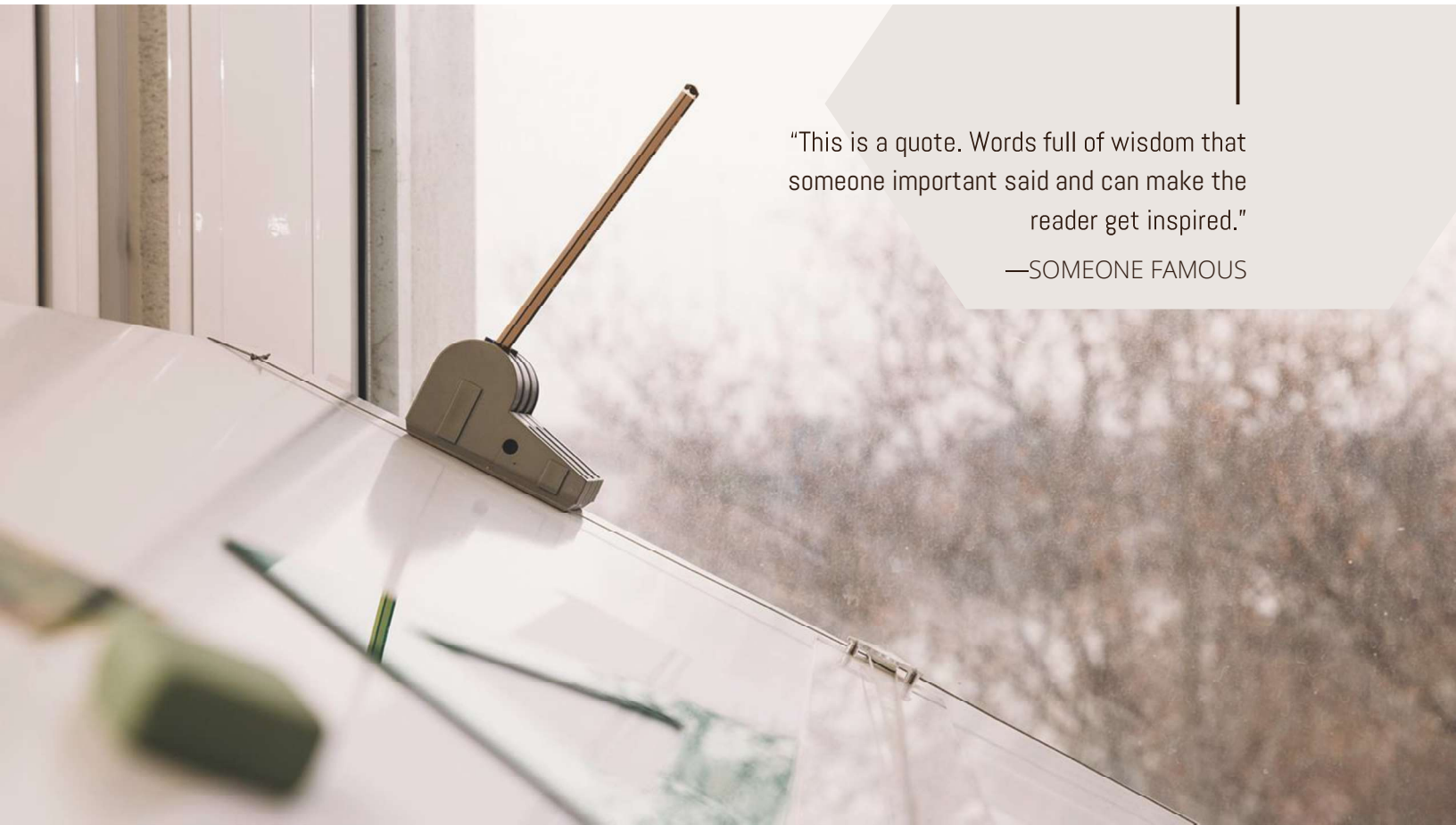
Mercury is the
closest planet to the
Sun

2018

NEPTUNE

Neptune is the
farthest planet from
the Sun

AND STILL
GOING
STRONG!



"This is a quote. Words full of wisdom that
someone important said and can make the
reader get inspired."

—SOMEONE FAMOUS

LOCATIONS



1
Venus

2
Mars

3
Mercury

Find out where all our offices are located around the world

OUR SERVICES



MERCURY

Mercury is the closest planet to the Sun



VENUS

Venus has a beautiful name, but it's terribly hot



MARS

Despite being red, Mars is actually a cold place



SATURN

Saturn is the ringed one and a gas giant



NEPTUNE

Neptune is the farthest planet from the Sun



JUPITER

It's the biggest planet in our Solar System

OUR STRENGTHS

LOYALTY

Neptune is the farthest planet from the Sun and the fourth-largest in our Solar System

RELIABILITY

Mercury is the closest planet to the Sun and also the smallest one in our Solar System



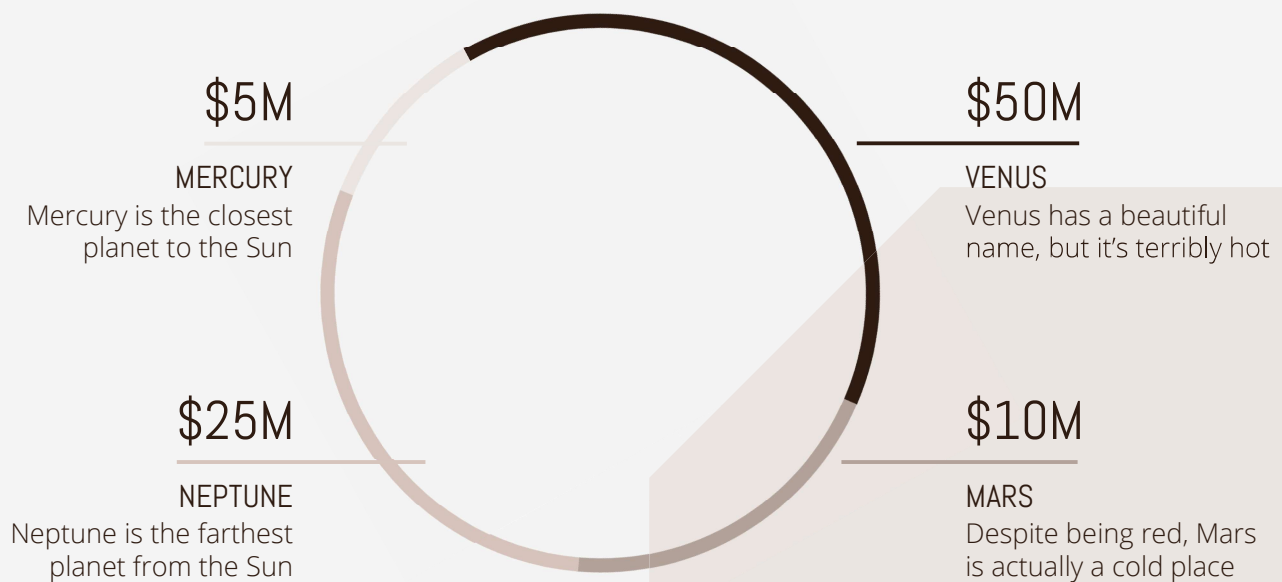
EFFICIENCY

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot

COMMITMENT

Saturn is the ringed planet. It's a gas giant, composed mostly of hydrogen and helium

OUR GROWTH



If you want to modify this graph, click on it, follow the link, change the data and replace it

FUTURE PROJECTS

01

PROJECT 1

Venus has a beautiful name,
but it's terribly hot

02

PROJECT 2

Despite being red, Mars is
actually a cold place

03

PROJECT 3

Mercury is the closest planet
to the Sun

04

PROJECT 4

Neptune is the farthest planet
from the Sun

CUSTOMER TESTIMONIALS

"Despite being red, Mars is actually a cold place, not a hot one. It's full of iron oxide dust, which gives the planet its reddish cast"

JOHN DOE

"Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than our Moon"

HELENA PATTERSON

"Venus has a beautiful name and is the second planet from the Sun. It's terribly hot, even hotter than Mercury"

JENNA ROE

AWARDS

MERCURY

Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than our Moon

VENUS

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot, even hotter than Mercury





ALTERNATIVE RESOURCES

Here's an assortment of alternative pictures within the same style of this template.

- Modern brick building skyline
- Low angle of rusted building
- Supplies and helmet on blueprint
- Crop woman making blueprints
- Female architect having conversation with her colleague
- Crop people working with plans on tablet
- Man carefully making drafts
- Crop hands making blueprints
- View of stone building with coarse plaster surface
- Design of building with brick wall and pipe

RESOURCES

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PHOTOS

- Modern brick building skyline
- Group of engineers working
- Nice drafting table
- Modern building with closed windows
- Low angle modern building design
- Side view of business persons on stairs
- Three architects in front of modern building
- Two architects planning new project at workplace
- Businessman holding level

- Portrait of young female architect working on clipboard at architectural project
- Serious young man working on laptop at office
- Stone modern building with windows

ICONS

- Pack Architecture 22

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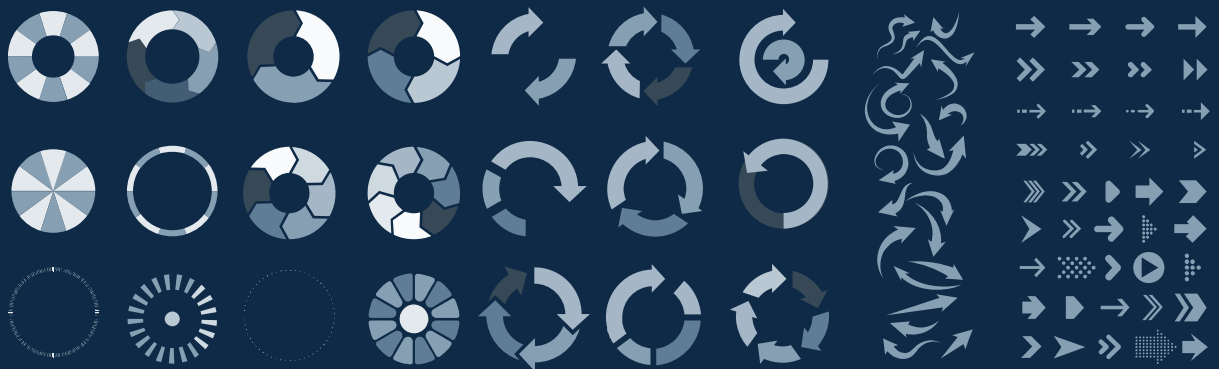
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#b3a29a

#eae5e1

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