



Studio Diseña

Designing a better tomorrow





About us

Design approach

At Studio Diseña we think about design in principle as storytelling. The main question being: what story do you want to tell with your building.

With design we can solve problems, in ways we normally , do not think of solving them.

And in doing so we wish to integrate story-lines with design





01 The Cube Loft residence

The Cube loft residence was designed based on the Lifestyle of a modern young style of living, with technology and design in mind. The design uses the loft concept to enrich the small footprint.

The Cube consists of 4 apartments with a communal pool.



Location
Incastraat





The Cube



0² Floorplan

Loft Residence

Front exterior

Entrance pathway

Exterior walkway

Exterior



Exterior

Pool

Communal space

Entrance loft





0² Interior Impressions

Living room

Kitchen

Kitchen

Bedroom 1

Atrium

Master bedroom

Master bedroom

Master bedroom



Master bathroom

Master bedroom

Atrium view



01 Smart house Concept

Technology framework

Home automation system: Apple Based

Front Fence line

Video camera security whole apartment

Exterior

- Smart communal lights based on iphone
- Smart irrigation & grey water system lowering operational cost
- Smart gate Based on phone's location

Outdoor lights

- Outdoor lights are connected to smart switches.

Front door

- Smart lock for ease of access and the ability to give temporary access
- Security video camera
- Smart doorbell

Foyer

- Wall mounted tablet as a smart house computer
- Alexa built in mics

Kitchen

- Smart washer machine announces when a cycle is done via an assistant or light
- Flood sensor
- Smoke sensor

Toilet

- Motion sensor connected to a smart switch and a air vent

Kitchen

- Wireless charger
- Alexa smart hub

Living room

- Smart switch
- Smart curtains
- Wireless charger
- Smart windows

Bedrooms

- Nightstand with wireless charger
- Smart curtains

Smart switches

- All switches within unpopular spaces set on timers if left on longer than 10 min will turn off
- Outdoor lights set on sunset and sunrise
- Front Door and secret answer light turn on based on location of owners phone
- Courtyard Lights turned on with outdoor lights but turned off at 10

Solar panel possibilities

- Roof is designed for solar panels placement on roof , hidden from neighbors and cars.
- Electric cable structure of the house must be created in a way that the house is able to add solar panels in the future and structure in a way that the big loads are carried by the solar panels.
- Electric car charger

OE Sustainability Concept **Framework**

A better future

Sustainability implementations

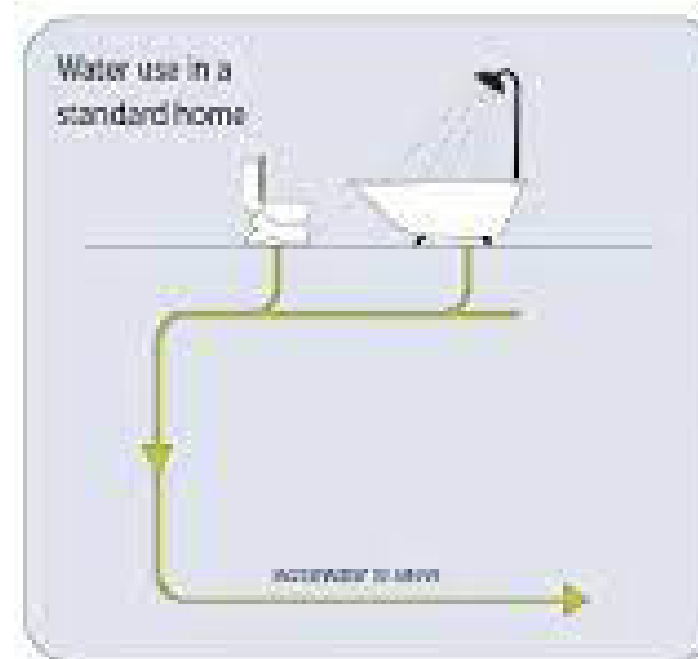
The goal of this sustainability framework is to lower the cost of operation. Using home automation systems to create a smart and intelligent house that saves you money in the long run.

The three most important sustainability elements for this residence is :

1. Water usage
2. Lights
3. Electrical implications ready for solar or gas-line generator.

Water usage

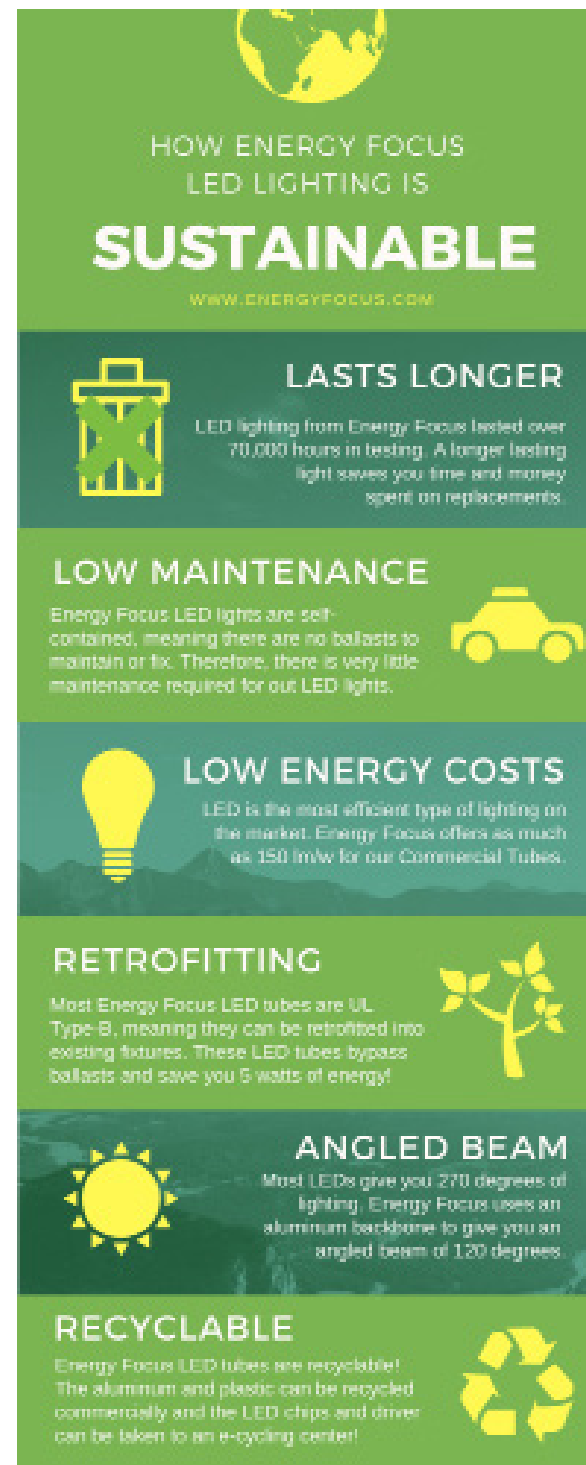
- The house will be implemented with grey water system, using drain water from douche, sinks and laundry for toilet water or other means
- The grey system will need to be setup that the pipes are setup in a way that is separated from blackwater
- Blackwater will be used as irrigation water for plants. The system will pass through a septic tank and processed and will be used late at night because of the smell.



Able to reduce your water usage up to 50% which can save a family of 4 up to 863.90 ANG on water.

Lights

- Outdoor lights are connected to smart switches and can be set on a timer that will turn off after 10 min to save energy.
- Smart switches will be implemented in areas where necessary and where there is high traffic.
- All lights must be LED in order to lower the operational cost.



Electrical concept

- Roof is designed for solar panels placement on roof, hidden from neighbours and cars.
- Electric cable structure of the house must be created in a way that the house is able to add solar panels in the future and structure in a way that the big loads are carried by the solar panels.



0[∠]_{interior} Concept

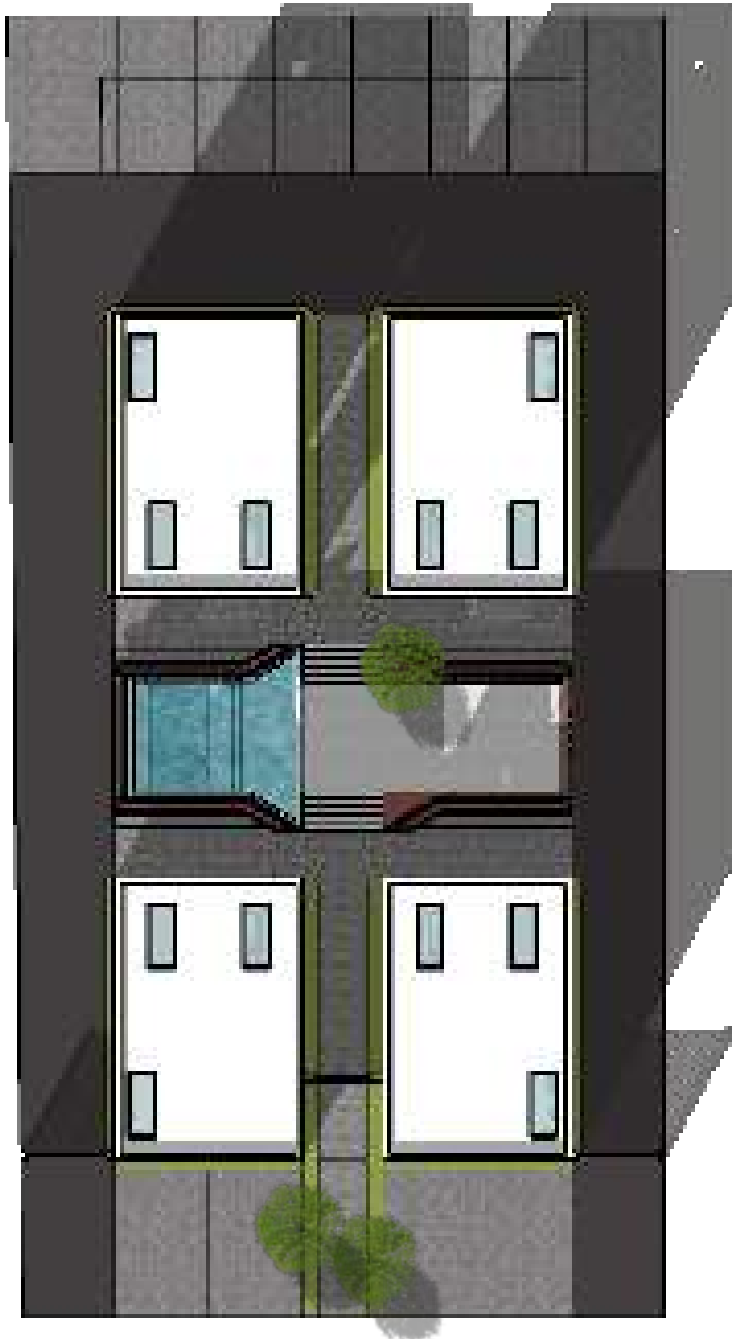
Color Pallet

The interior concept is based on a modern sleek design with wood finishes as accents. Therefore a color pallet was created to go with the Loft's style. The colors are not fixed but are seen as guidelines to create a design that fits with the Loft.



07 Floorplans **Concept**

Site plan



Site plan

- Parking area 8 spots
- 4 guest parking outside



Ground floor loft



- 01. Living-room
- 02. Kitchen
- 03. Bathroom 1
- 04. Bedroom 1
- 05. Laundry
- 06. Stairs



First floor loft



- 07. Master bedroom
- 08. Closet
- 09. Master bathroom

Construction phases

Based on a quotation with Las tunas B.V. we have computed to the following budget.

Cost estimation based on "bestektekening"

Includes the following point from the cost estimation:

- Apartment construction based on Las Tunas BV offer (Ruwbouw)
- Pool
- Pool deck & Septic tank
- Windows and doors exterior
- Interior doors
- Carpet top floor
- Bathrooms
- Electric installation
- Smart Technology
- Indoor path landscaping
- Parking
- Driveway
- Tiles
- Keuken

340.000,-
28.500,-
23.000,-
80.000,-
10.000,-
4.400,-
28.000,-
60.000,-
40.000,-
20.000,-
20.000,-
12.000,-
13.200,-
24.000,-

Total
NALF 679.100,-

Cost estimation Furniture

- Interior : including sofas , bed, Washing machine and other interior furnitures .

187.150,-

Total
NALF 187.150,-

Total budget with furniture
NALF 866.250,-



TheCube lofts

Studio Diseñá presents the The Cube Lofts, a new modern loft style for young smart living





Contact Us

Studio Diseña



The Rig,
Emmalaan 16



+59995268918



s.zimmerman@studiodisena.com

