

The CACTUS

Brought as a walk-in art project, "Pedro The Cactus" is a nomad Art project that wishes to shine it's lights in many magical places of the world - this year **Garbicz Festival '24.** Showcased and with the chance to be placed in Burning Man 2023, and travelling across the Atlantic all the way from the city of love, PARIS- France he follows the principles of respect nature, embrace your inner child, stay silly and don't be a prick.

CONCEPT

"You Get what you Give" The 1,70mts tall art structure inspired by the viral children's toy cactus, reproduces the sounds it is fed, The CACTUS has as purpose to inspire words and acts of kindness from each participant in its path, as it will give you what it gets.

"RESPECT AND CREATE WITH NATURE"

-The CACTUS TEAM-







Tanny Onsalo Lead Artist Creative Direction & Aesthetics Lead Boris Doré Lead Engineering & Build Plan **Jeremy Kenigsman** Lead Electronics Engineer Audio Mechanics & illumination

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The CACTUS "Pedro" - Visuals & Main Summary

Art Installation Title: The Cactus

Project Summary: Inspired by the viral cactus toy <u>(Yes the one that</u> <u>makes babies cry</u>) we created the adult sized version (No not to make adults cry) but to parody what happens when you act like a child-The internal mechanism of the cactus records and reproduces everything that is said to it.

Physical Description: The Cactus -*does not occupy much space*-Thankfully because we travel with the nomad art.

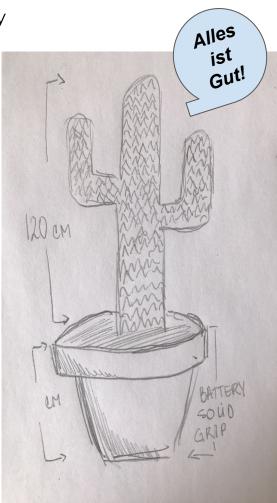
- HEIGHT: 120 cm of Cactus + Pot total= 170 cm (5'7ft)
- WIDTH: 55cm Pot aprox.

Materials: organic rattan cactus sculpture planted and steady-fixed in a garden pot. The Rattan is Laquéd to prevent making waste.

Externally: will have trinkets that visitors can leave/take. (Gifting).

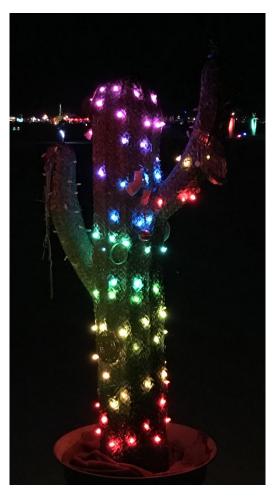
Internally: will have lights and audio mechanics that record and reproduce the external noises made upon interaction. (Participation).

• Placement -TBD

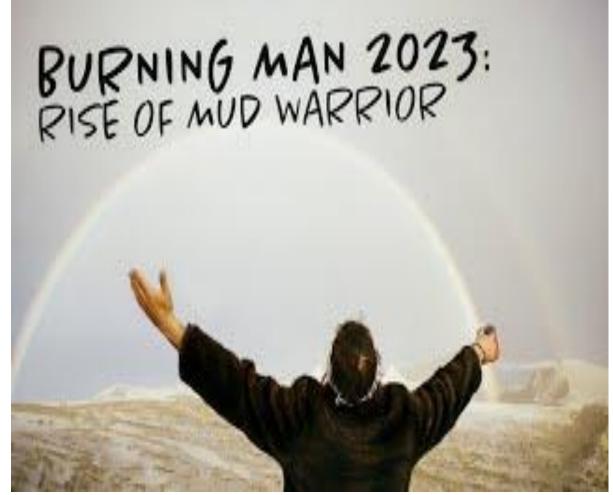


The CACTUS "Pedro" - Visuals & Videos











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The Cactus and Inspired Principles



Radical Inclusion

All are invited and respected to come and play.



Gifting

Leave or get a trinket, a vocal note or gift.



Decommodification

Because it is 'just' a Cactus. It is not the value of gift but the value of participation that we cherish.

Radical Self Reliance

Because the kindest of words about YOU, should come first from YOU.



Radical Self Expression

Give or receive, or speak as you may.



Communal Effort

A small act of kindness goes a long way.



Civic Responsibility

Be caring and the Cactus will also be kind.

Participation

Only has life when you come and Interact.



Immediacy

Take + Give +Talk +Receive live in the Now.

Leave No Trace

Just Leave Kindness.

Burning Man Principles. Principles Pictograms by Wick The CACTUS - Lighting Safety, Illumination ower: how we will provide adequate power for the Cactus

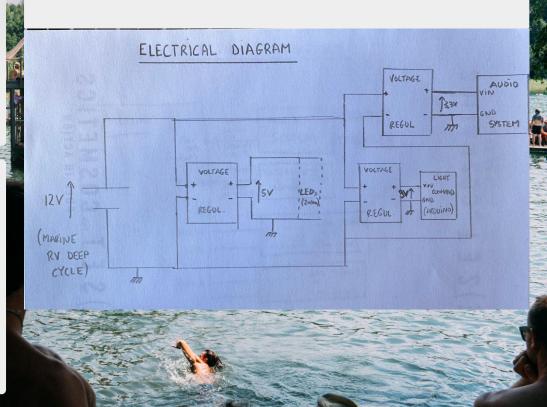
Electrical Diagram

Summary

- The cactus is lighted up with 200 colored leds
- The lights are ON from start of event to end.
- When in rest, the leds are light up and stable
- When the audio is ON, the leds get crazy/change
- The system is powered by a deep cycle battery

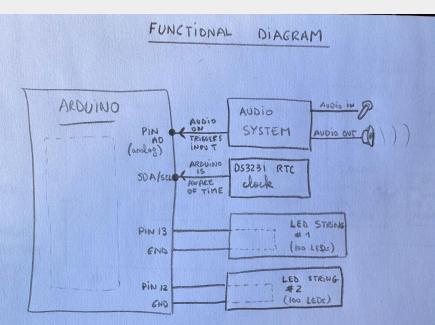
Technical specifications

- Battery : Marine RV Deep Cycle
- Voltage regulator : Arceli
- Leds: 100 addressable WS2811 leds (IP44)
- Leds command : Arduino Micro
- Timer command : DS3231
- Sound system : Original cactus toy sound system
 Security :
- All non-IP65 electrical systems are in 3D printed boxes and protected from rain & dust.
- There's no high voltage or high power system.



The CACTUS - Lighting Safety, Illumination ower: how we will provide adequate power for the Cactus

Functional Diagram



System logic

- **Day / night** : System has day & night modes. LEDs light up only by night.
- **Audio trigger** : Arduino listens to the voltage on a pin to know when audio is on.
- Leds: 2 x 100 addressable WS2812B fairy lights LEDs (IP65)

- Leds command :

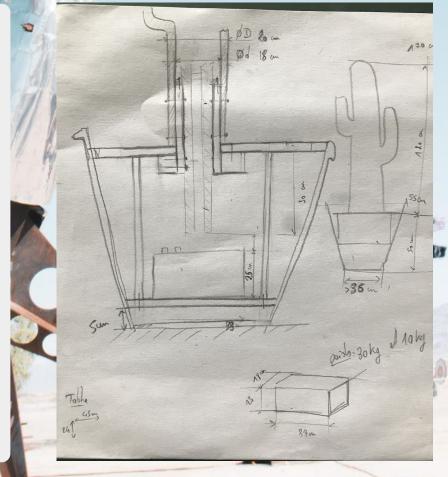
- When cactus doesn't talk, all LEDs are on, but stay calm.
- When cactus talks, all LEDs are on and moving
- The more people talk to the cactus in a short amount of time, the more "excited" the LEDs get (there is a "heat" variable inside the system)

The CACTUS - How we will build a safe structure and base

Summary

-The base of te cactus will be installed in a plastic plant pot of approx. 55cm width

 Inside will be the battery, led wires and installation. In order to avoid any problematic linked to the rain, the battery will be elevated 5cm from the ground
 There will e a wooden structure to keep the structure erect and sturdy



The CACTUS - How we will build a safe structure and base

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Installation Plan

The cactus structure will arrive fully assembled and in its pot. During its installation at its location, we plan to anchor it and te pot to the ground using 5 one-meter rebars that will be inserted around it, and one central 2-meter rebar to secure the cactus from the strong winds /dust storms.

Un-installation Plan

To remove the structure we remove the bars and take the whole art at the end of the event.

The CACTUS - Removal Plan

<u>Summary</u>

-During the event we will check up on the art structure throughout the night to keep an eye on anything that might occur during the event

-Once the event Garbicz festival is over we will deinstall it no problem.



- THANK YOU-

