



COSMODOM

SANCHEZ - COSMODOM RIF.: V-09612774-6

Design and Construction of the Cosmodom Planetarium

Gilbert Sánchez.

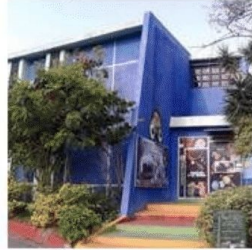
Oscar Alvarado

@planetariosanchez

How was the Cosmodom project born?

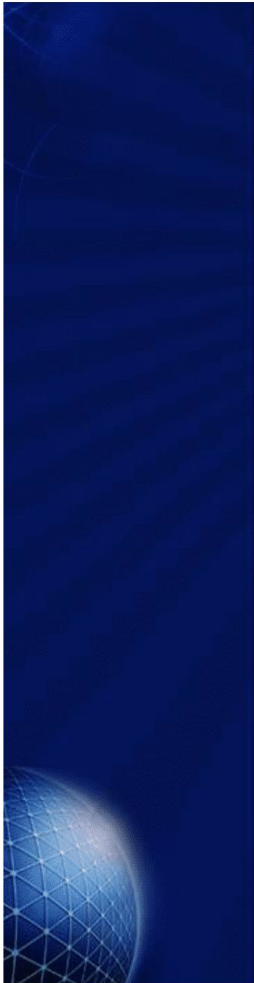
The idea of a Mobile Planetarium Year 2008

Mobile planetariums have the characteristic of being able to reach places that do not have a direct approach to science. It thus becomes a more personalized dissemination system. It would thus be possible to reach all cultural levels and social backgrounds. And it results in a much lower cost than a fixed planetarium.



Search for options
Economic limitations.
I only had \$10
Technical limitations.
There was no expertise on the subject of planetarium construction in Venezuela.
Logistical limitations
He had no vehicle or tools





I start to investigate

*Experiences in other countries.
Documentation on the subject
Manuals and prototypes.
Mail exchange with Argentine and Mexican companies.*



Join the Team

The companion Oscar Alvarado of the Larense Association of Astronomy ALDA.



We collect information from local materials.

exoskeleton.

Fabric for inflatable dome

Mirror.

blowing system

Audio system



exoskeleton design

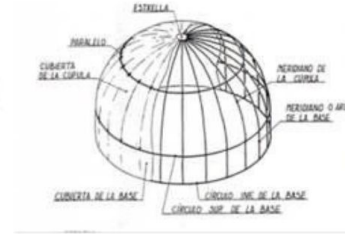


• Construction of T and L poles

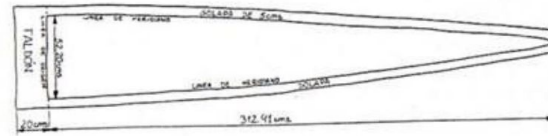


overall design

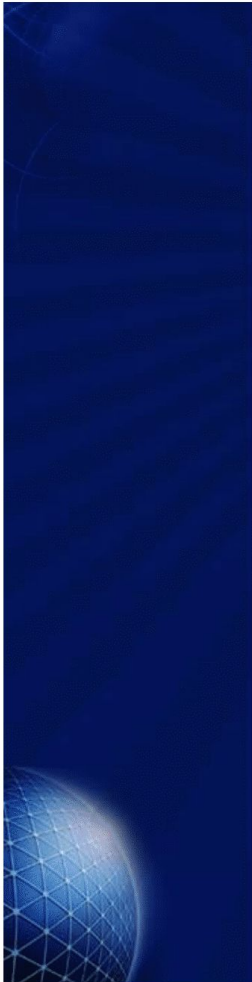
It consists of a central star of 16 points and meridians of smooth steel rod.



Type of fabric Waterproof double layer gray background



16 fabric and skirt spindles



projection system

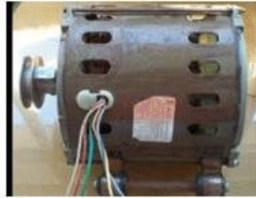


Mirror
convex



Vivitek Multimedia Projector

blower turbine system washing machine engine



finished

more than 2500 visitors attended



6m in diameter and 3m high