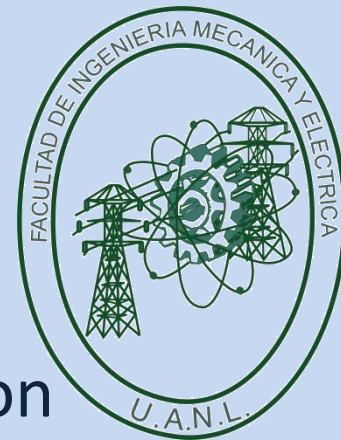




Universidad Autónoma de Nuevo León

Facultad de Ingeniería Mecánica y Eléctrica

Aerospace system develop in Mexico

Bárbara Bermúdez Reyes



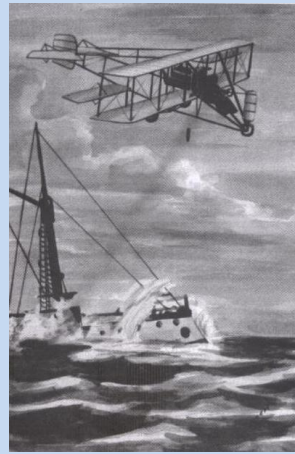
Content

- 🌐 Aerospace Mexican History
- 🌐 Aerospace Mexican nowadays
- 🌐 Aerospace Networks
- 🌐 UNISEC- North Mexico



Rocket Launch at Nuevo León (UANL-UACH)

Aerospace Mexican History



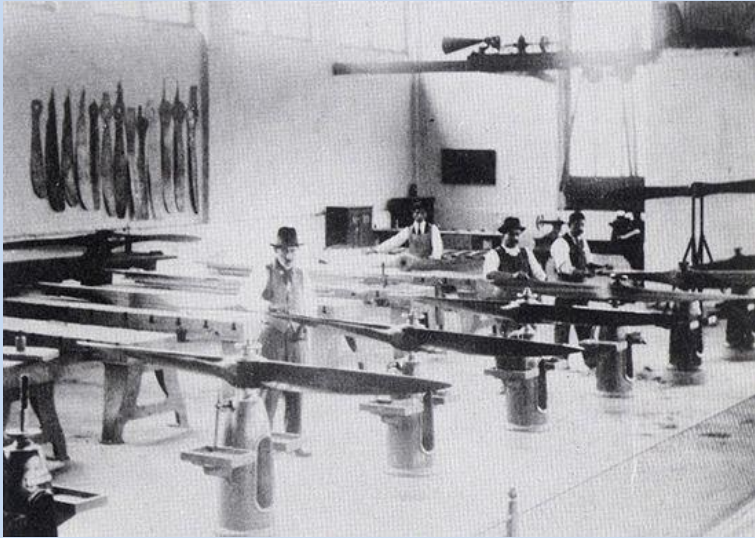
Gustavo Salinas Camiña, en los controles del biplano "Sonora", atiende las explicaciones de Didier Masson. (MRP)

First naval battle in Topolobampo, Sinaloa (April 14th, 1914)

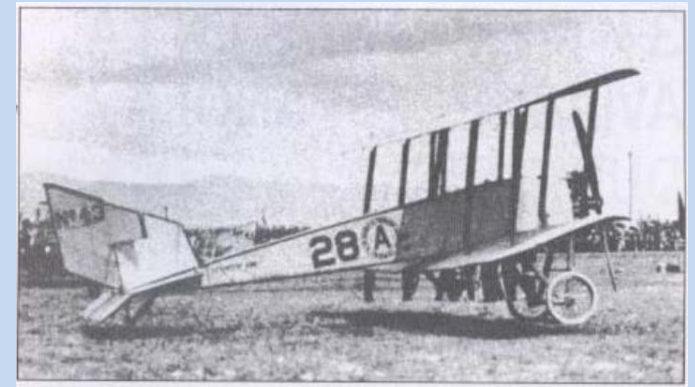


Mexican Air Force was founded on 1915.

Aerospace Mexican History



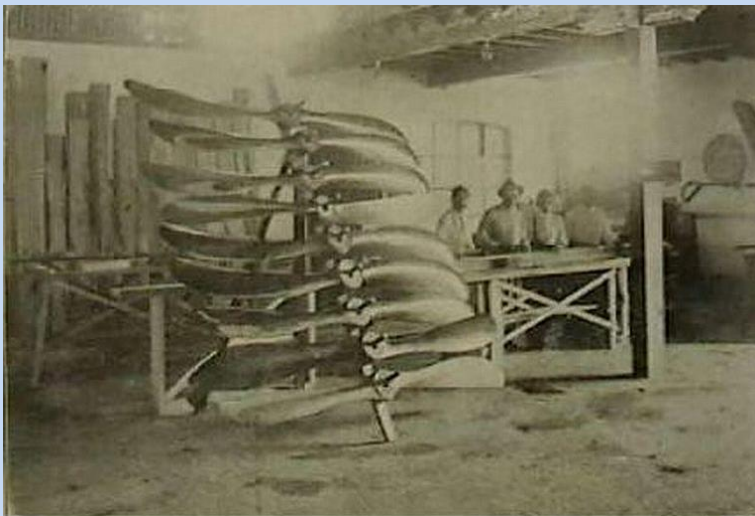
Aeronautics National Workshop



A Serie airplane



C Serie airplane

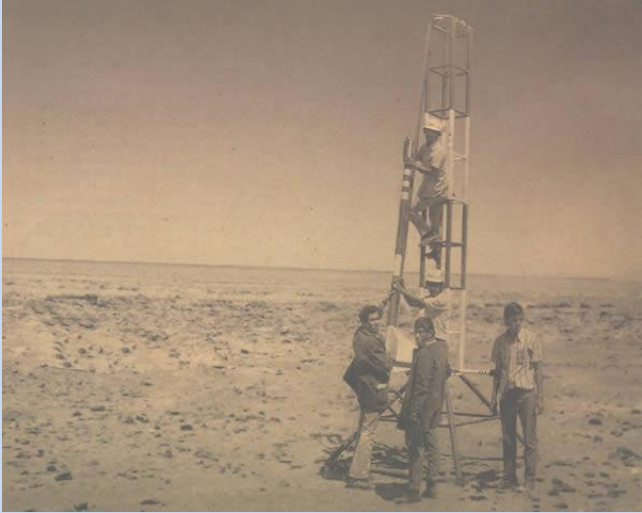


Anahuac Propeller



H Serie airplane

Aerospace Mexican History

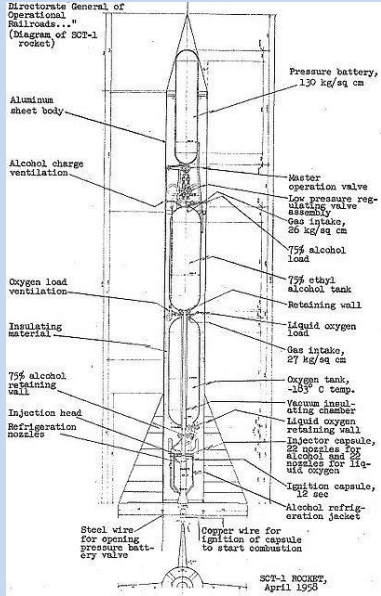


Cabo Tuna, San Luis Potosí (1957)



Cabo Mina, Nuevo Leon (1961)

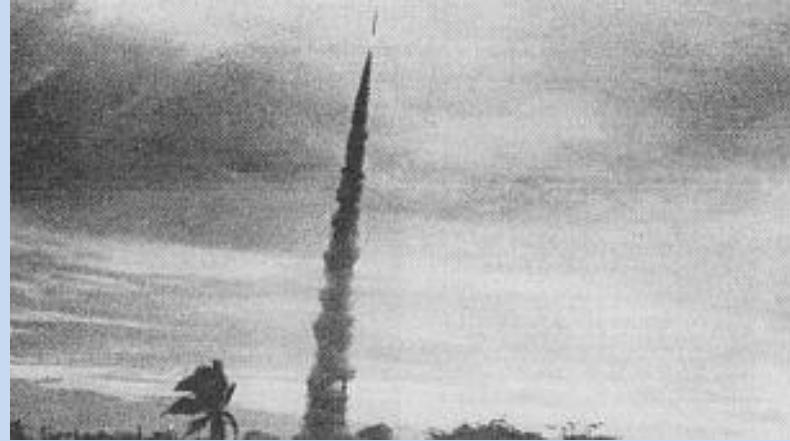
Aerospace Mexican History



SCT-1 (1959)

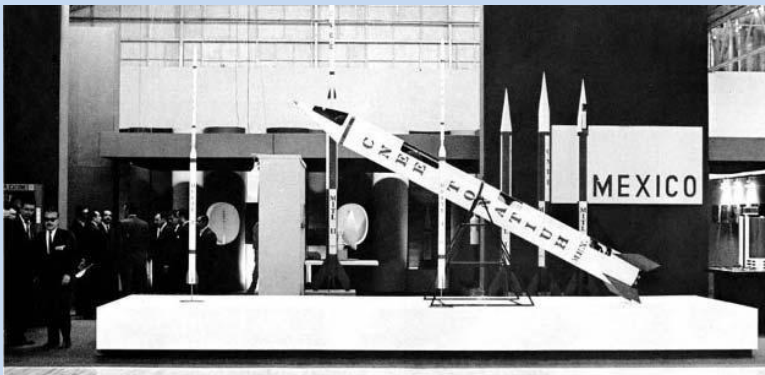


SCT-2 (1960)



Mitl-1 (1967)

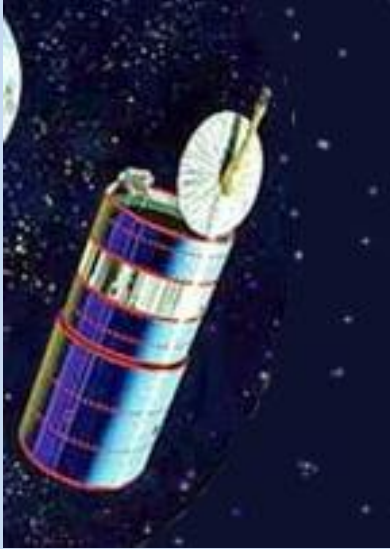
In 1962, Outer Space National Commission was created, but it disappeared in 1977.



Tonatiuh (1962)



Aerospace Mexican History



Morelos (1985)



Solidaridad (1994)



SatMex (since 1998)



UNAMSAT-B (1996)

Mexican
Satellites

Aerospace Mexican Nowadays



Mexican Space Agency is created in 2010.

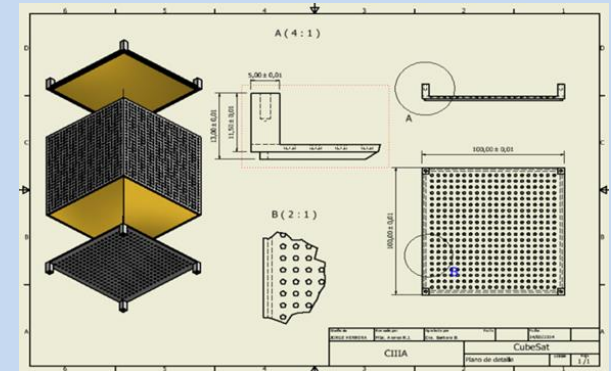
Research



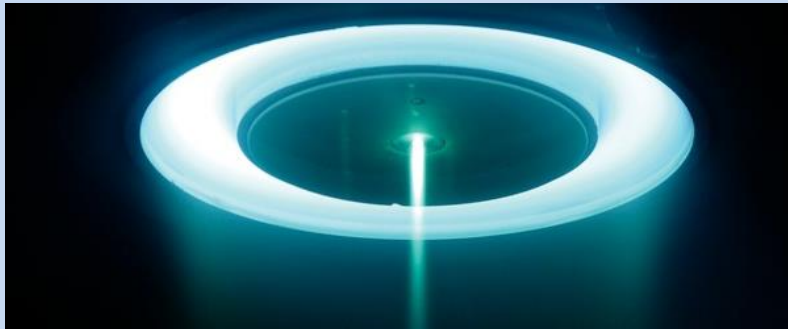
Telemedicine



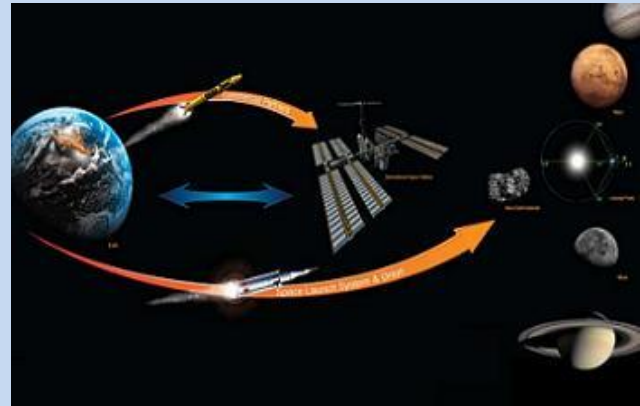
Thermal barrier coatings
for satellite systems



Satellite Structures



Space propulsion



Telemetry

Aerospace Mexican Networks



Space Science and
Technology Network
(since 2011)

Development of metallic and ceramic coatings
for thermal changes and tolerant to cosmic
radiation in satellite systems (since 2011)



(2014)



UNISEC North Mexico

- Cansat Course in Universidad Autónoma de Baja California in collaboration with Universidad Autónoma de Nuevo León (August, 2014).
- Cansat Course in Mexican Space Agency in collaboration with Universidad Autónoma de Baja California and Universidad Autónoma Nuevo León (October, 2014).
- Collaboration between Universidad Autónoma de Nuevo León, Universidad Autónoma de Baja California and Universidad Autónoma de Chihuahua in Aerospace Regional Network (September- December 2014).
- Collaboration between Universidad Autónoma de Nuevo León and Universidad Autónoma de México in the Master Science Thesis “Cubesat Structural Design to apply a Protective Thermal Barrier Coating” (2014-2015).
- Rocket design and airmodeling workshops. In collaboration with Universidad Autónoma de Nuevo León, Universidad Autónoma de Chihuahua and Mexican Air Force (October 2014).
- UNISEC- North Mexico web site: under construction



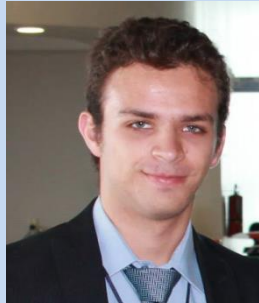
CIIIA-UANL

UNISEC - North Mexico

Universidad Autónoma de Baja California
Aerospace Engineering



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Gómez Roa



Student: Erick Norberto
Bustamante López

Universidad Nacional Autónoma de México
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Dr. Jorge Alfredo
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Lic. Adriana
Ruíz Anchondo



Dr. Hermes
Moreno
Álvarez

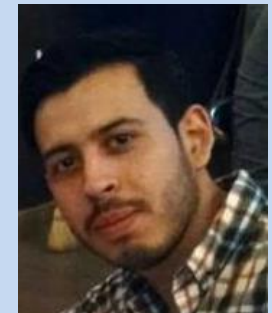


Student: Janeth
Loya Ruiz

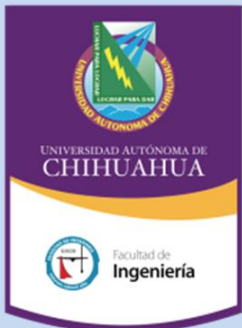
Universidad Autónoma de Nuevo León
Aeronautics Engineering Research and
Innovation Center



Dr. Bárbara Bermúdez
Reyes



Student: Octavio
Rafael Farías Altamira



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