



UNITED NATIONS  
Office for Outer Space Affairs

# Committee on the Peaceful Uses of Outer Space: June 2022

**Technical Presentations:**  
**The SAOCOM Project as a national capacity-building engine**

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# National Space Plan



## “An Opportunity for National Technological Development”

- Human resources development
- Cooperation with the local Science and Technology System and local tech-companies.
- Associative international cooperation.



Comisión Nacional  
de Energía Atómica







COMISIÓN NACIONAL DE  
ACTIVIDADES ESPACIALES

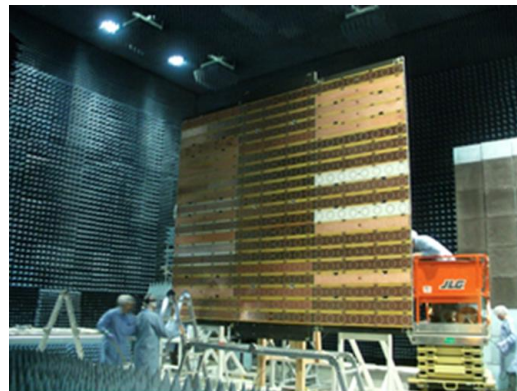
# Centro Espacial Teófilo Tabanera



Ministerio de Ciencia,  
Tecnología e Innovación  
Argentina







*Ensayo motor 10 toneladas - 2015*



## Masters:

- Space Information (UNC-ASI)
- Satellite Technology (UTN-RC)
- Instruments for Space (UTN-RM)

PhD: Geomatics and Space Systems (UNC)

I&D: Colomb Institute (CONAE - UNSAM)



# CONAE in Space







COMISIÓN NACIONAL DE  
ACTIVIDADES ESPACIALES



Ministerio de Ciencia,  
Tecnología e Innovación  
Argentina



# SAOCOM



# SIASGE

Sistema Italo-Argentino  
de Satélites para la Gestión  
de Emergencias



RADARES  
EN EL ESPACIO  
PARA CUIDAR  
LA TIERRA



## Platform Integration at INVAP



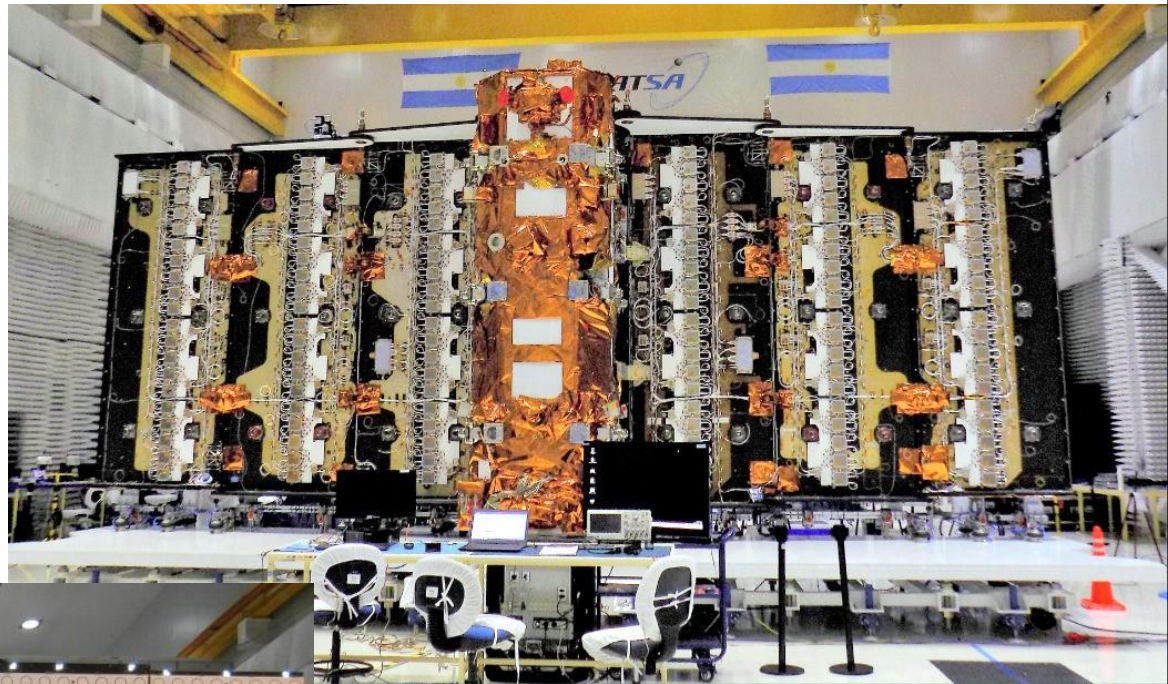


## SAR Antenna Panels Integration at LIE (CONAE – CETT)





## SAOCOM 1A at INVAP S.E. facilities in Bariloche



SAOCOM 1A Launched 7 Oct 2018  
SAOCOM 1B Launched 30 Ago 2020

# SAOCOM PROJECT

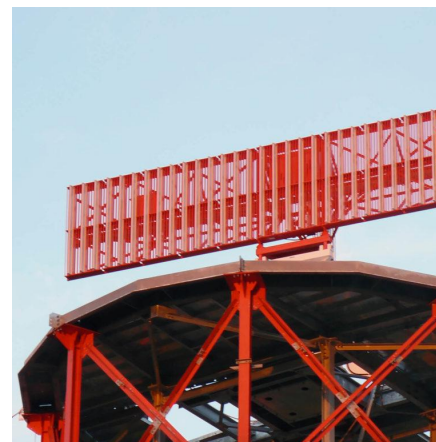
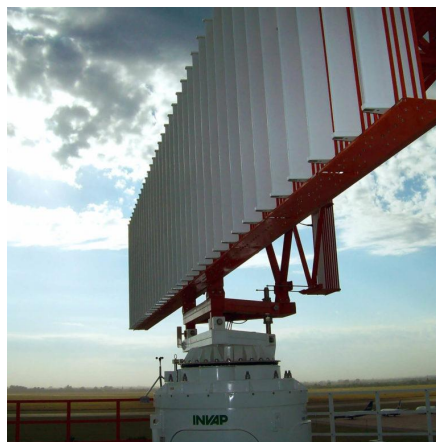
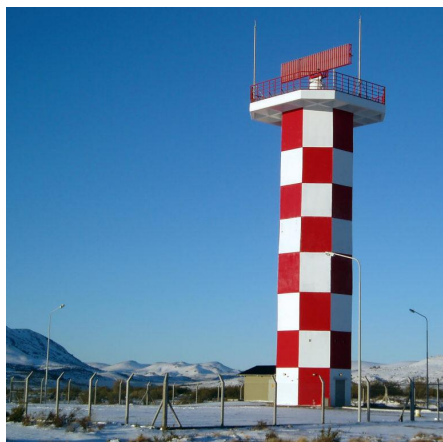






**RSMA (Radar  
Secundario  
Monopulso) para  
Control de Tránsito  
Aéreo**

From the INVAP Web  
page, SAOCOM Main  
Contractor



## Radars de vigilancia y control aéreo y terrestre de uso militar

From the INVAP Web  
page, SAOCOM Main  
Contractor



RPA-240T

**Radar de vigilancia aérea  
3D de largo alcance**



RPA-170M

**Radar primario móvil 3D de  
rango medio**



M-TPS

**TPS-43  
Modernizado**



RMF-200V

**Radars 3D Táctico  
para la defensa aérea**



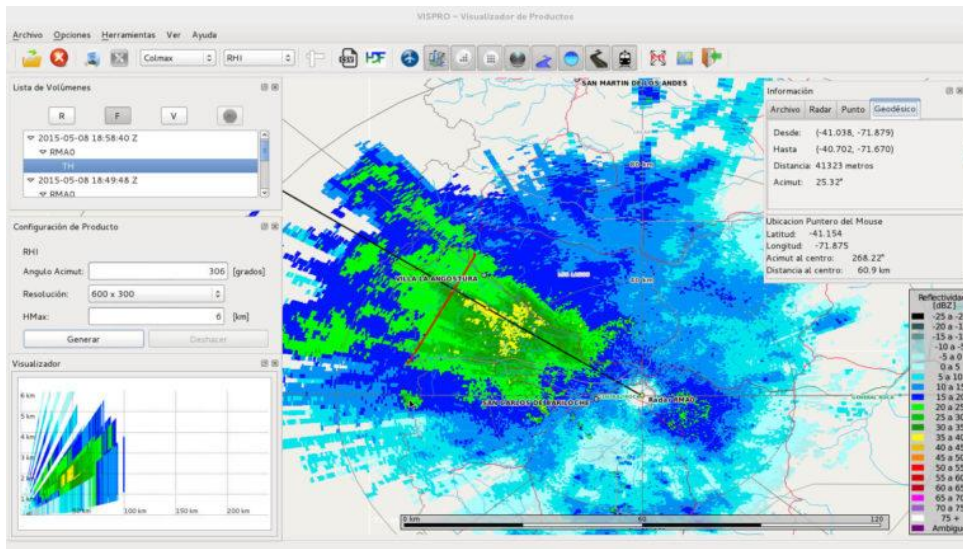
RVT-30/50/80

**Serie de Radars de  
Vigilancia Terrestre y  
Costera**





**RMA (Radar Meteorológico Avanzado) es un radar Doppler de polarización dual que opera en banda C.**



**From the INVAP Web  
page, SAOCOM Main  
Contractor**

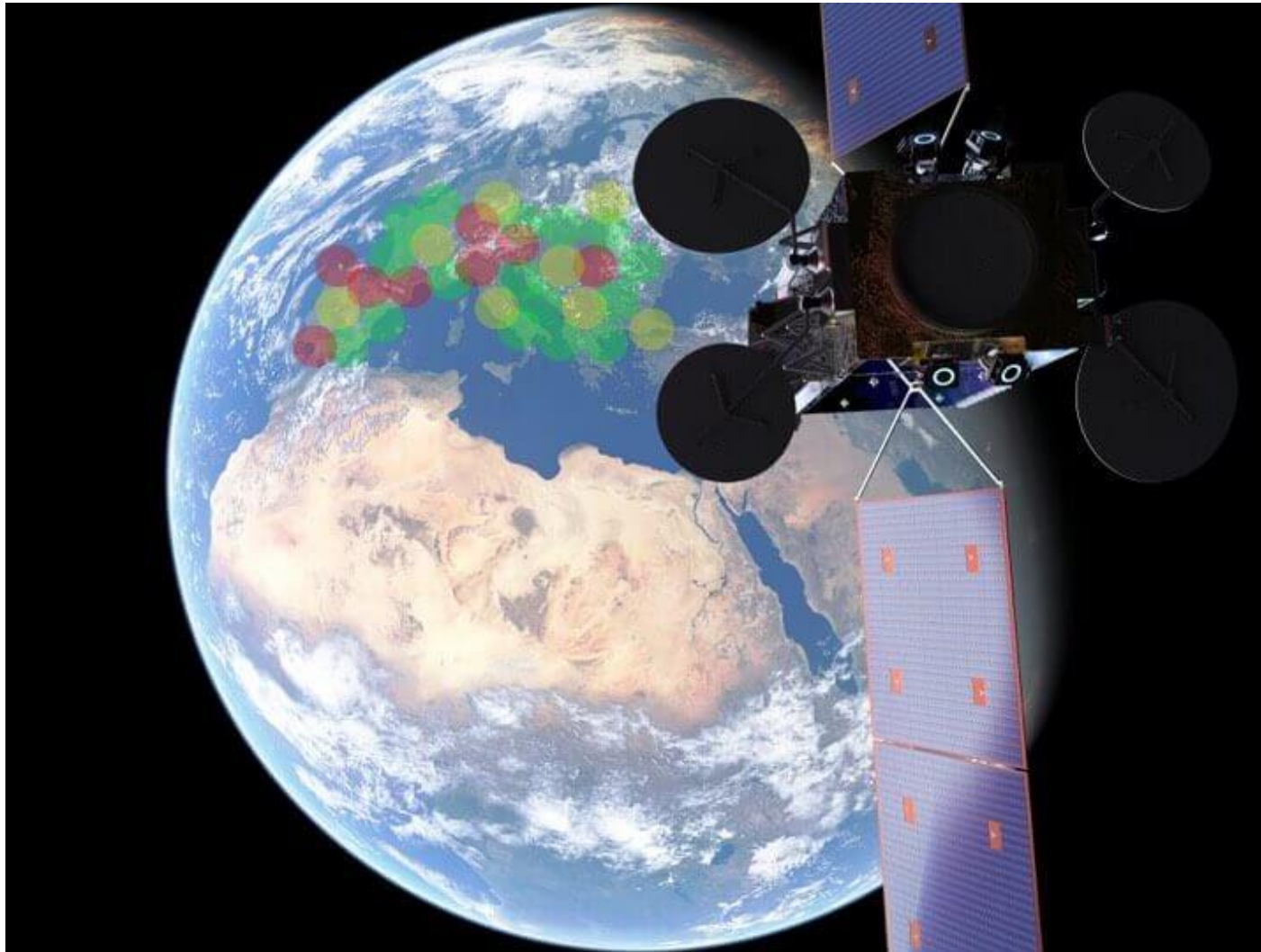


## Communications satellite in GEO – ARSAT I and II





## Communications satellite in GEO – ARSAT SG1 (2nd Gen)



**HTS Architecture**  
**Electrical Propulsion**  
**Modular Design**  
**Flexible Payload**



# Thanks