

30
AÑOS



REDIMEC
PROVEEDOR DE SOLUCIONES

TECHNOLOGICAL SOLUTIONS





With almost 30 years of history, Redimec has become a developer of comprehensive solutions for the most diverse fields.

We seek to be a bridge to guide our clients into the future, through the creation and use of advanced technology.





REPRESENTING:



CONSULTANTS

INDEX

AVIONICS SOLUTIONS

Aircraft Upgrades	p. 6
Cockpit development	p. 8
Regular Services	p. 9
Development & integration based on radars and optronics	p. 10
Obsolescence mitigation	p. 11

NAVAL SOLUTIONS

S.I.D.A.N. navigation data integration system	p. 13
R-SYNC - Hydroacoustic shots synchronization unit	p. 14
Navigation data multifunction repeater	p. 15
Engineering service for command bridges	p. 16
Engineering service navigation & control - hydrography	p. 17

TERRESTRIAL SOLUTIONS

5g Based Tactical And Security Communication Systems	p. 19
Polarimeter	p. 20
Identified Activation For Fuel Pumps	p. 21
Optical Sensor Lorawan	p. 23
Meteorological Stations System	p. 24
Theodolite	p. 25

ABOUT US

	p. 27
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AIRE

optimización

Líderes en modernizaciones
y soluciones aeronáuticas





AIRCRAFT UPGRADES

Military, government, commercial or private aircrafts.
Fixed wing or rotorcraft. Jets, turboprops, among others

CONCEPTUAL
DESIGN



INSTALLATION &
CONFIGURATION



INTEGRATION
& TESTING



HOMOLOGATION

+150 Supplementary Type Certificates (STC)

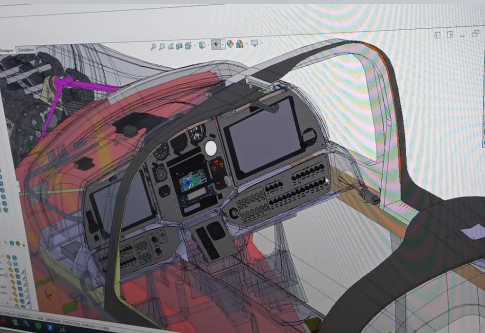


AERONAUTICAL SOLUTIONS

COCKPIT DEVELOPMENT

We offer design, engineering development and integration of new cockpits, **from zero**. The service can include provision and integration of state of the art avionics.

IA-100 MALVINA
Two seater trainer



GOOD/SERVICE	HS CODE	COUNTRIES
SERVICE	-	Military: ALL Civil: UY - PY- BO



WAMAN- Experimental aircraft
Two-seater trainer for civil pilots

AERONAUTICAL SOLUTIONS

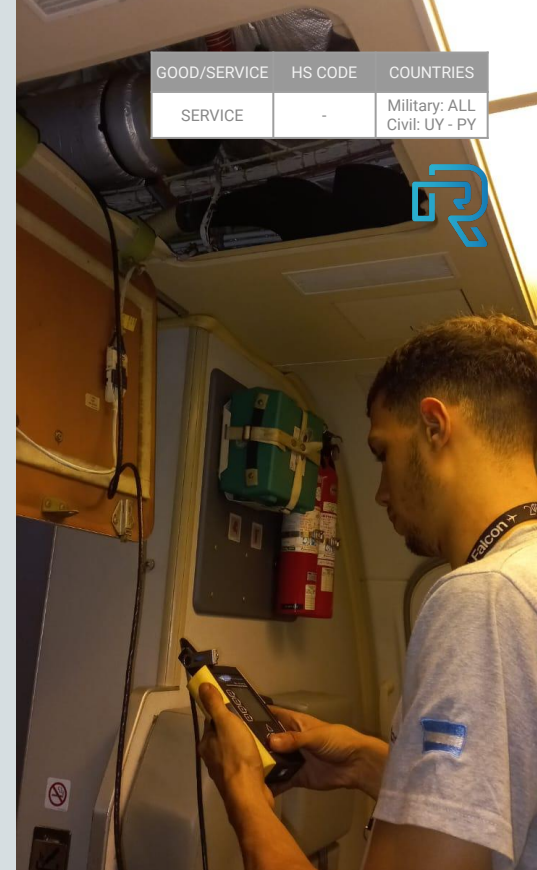
REGULAR SERVICES

Tests:

- Altimetric system with RVSM capacity.
- Transponder w/wo ADS-B IN/OUT capability.
- ELT system (also reprogramming capacity for Artex and Kannad devices)
- ULB
- COMM/NAV System



- Magnetic compass system and Primary Flight System compensation.
- CVR y FDR download and analysis
- Database updates for GPS/FMS systems



GOOD/SERVICE	HS CODE	COUNTRIES
SERVICE	-	Military: ALL Civil: UY - PY

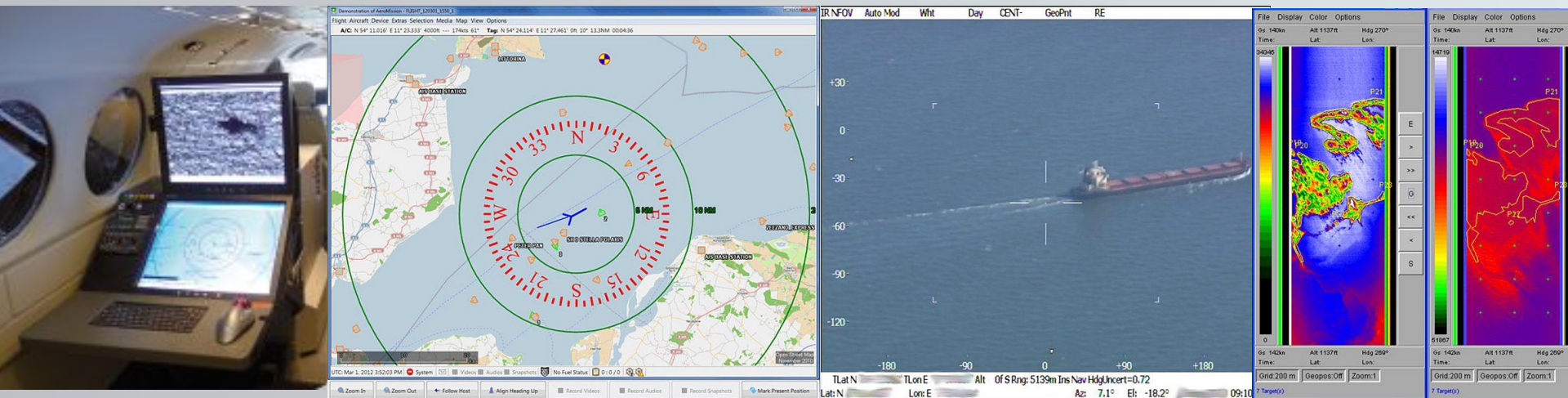


AERONAUTICAL SOLUTIONS

DEVELOPMENT & INTEGRATION BASED ON RADARS AND OPTRONICS

with control console and metadata report

GOOD/SERVICE	HS CODE	COUNTRIES
SERVICE	-	Military: ALL Civil: UY - PY- BO



Representing Aerodata we integrate their AeroMission®, the integrated mission management system, that brings a solution for any airborne surveillance scenarios. For customers that require a maritime surveillance solution or a pollution monitoring device.



Project for
King Air 350iER MPA
Prefectura Naval Argentina



OBSOLESCENCE MITIGATION

Our 30 years experience on aeronautical electronics and having our own R&D area allow us to develop specific devices or equipment to remove and replace obsolescence of on-board certified systems. Specially focused on electronics and control systems.

Life cycle
extension

Increase time
between failures



One example:
Development and
environmental
certification of fuel
level amplifier and
wing and fuselage fuel
measurement probes
for Pampa IA-63
aircraft



AGUA

soluciones navales

Desarrollamos capacidad de
maximizar el potencial

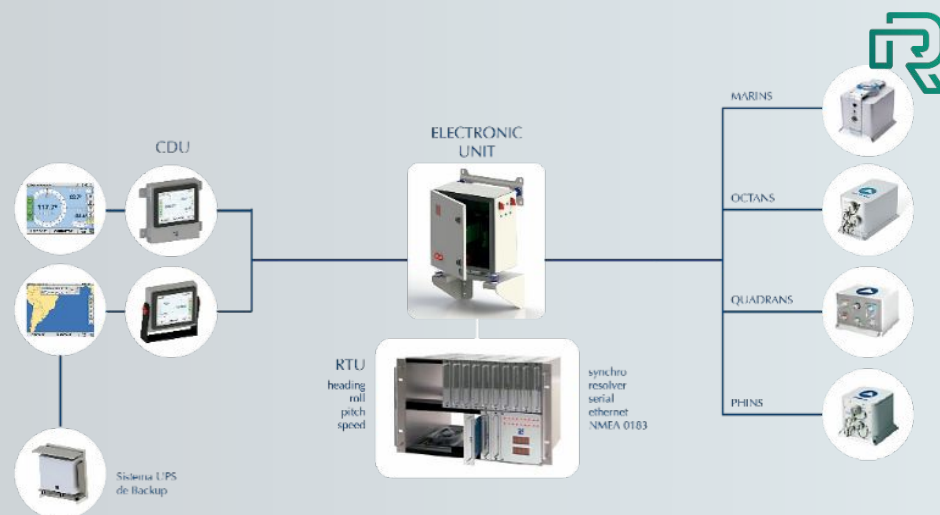


NAVAL SOLUTIONS

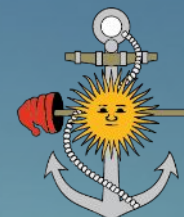
S.I.D.A.N. NAVIGATION DATA INTEGRATION SYSTEM

This development allows the obsolescences mitigation on gyrocompass and on naval inertial systems, using the newest gyrocompass with optic fiber technology. It can be installed on ships, speedboats and submarines among other platforms.

GOOD/SERVICE	HS CODE	COUNTRIES
GOOD	9014.20	ALL



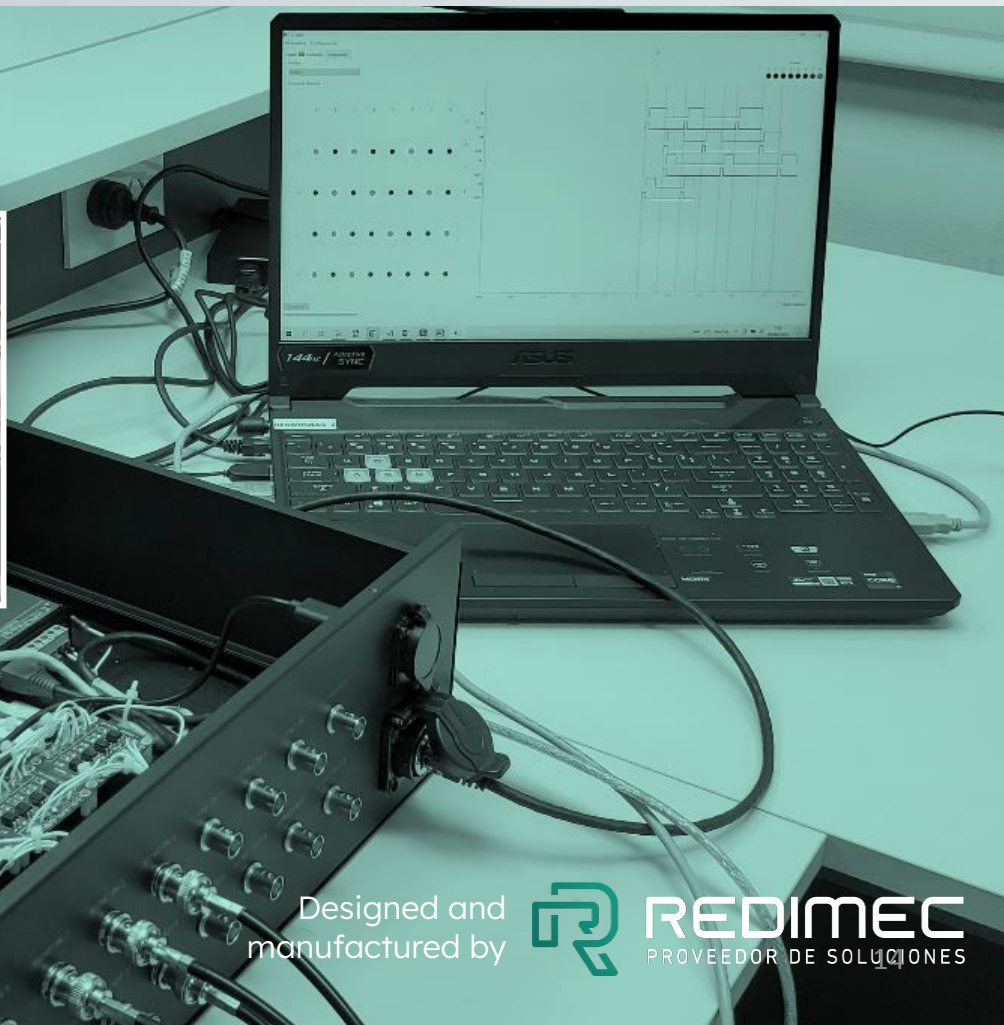
Already
onboard on
5 ships of
Armada
Argentina





R-SYNC - HYDROACOUSTIC TRIGGER SYNCHRONIZATION UNIT

Allows controlling up to eight hydrographic devices to avoid overlapping of sound waves and consequent loss of information or its quality.



Already on board ARA Petrel (Hydrographic swath vessel for the National Hydrographic Service)

Designed and
manufactured by



REDIMEC
PROVEEDOR DE SOLUCIONES

NAVAL SOLUTIONS

NAVIGATION DATA MULTIFUNCTION REPEATER

GOOD/SERVICE	HS CODE	COUNTRIES
GOOD	9014.20	ALL

Designed and
manufactured by

REDIMEC
PROVEEDOR DE SOLUCIONES

Intelligent multifunction device for ships and vessels with full color screen.

Shows engine data, AIS targets, navigation data, weather, attitude and any other information coming from onboard integrated systems or sensors



Already on board two Argentine Navy vessels



NAVAL SOLUTIONS

ENGINEERING SERVICE

Engineering development for new INTEGRATED COMMAND BRIDGES or existing ones (upgrades or mission wise refitting)

Electronic system design.

Structural design.

Equipment provision and integration.



ARA CIUDAD DE ENESENADA
One of two new instruction
vessels for National Navy



GOOD/SERVICE	HS CODE	COUNTRIES
SERVICE	-	ALL

NAVAL SOLUTIONS

ENGINEERING SERVICE

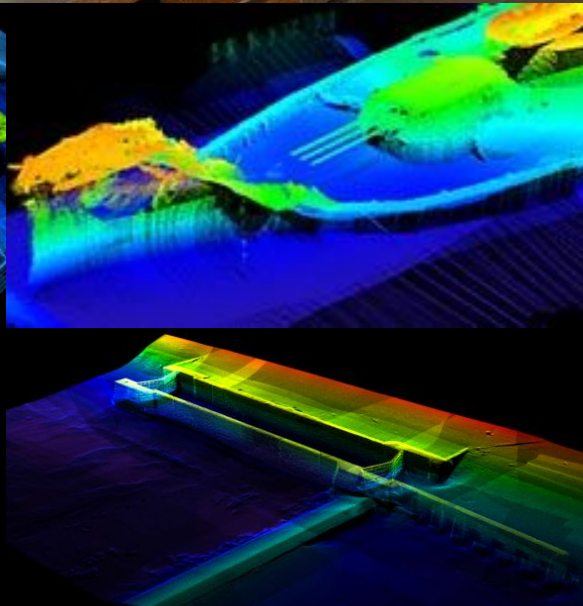
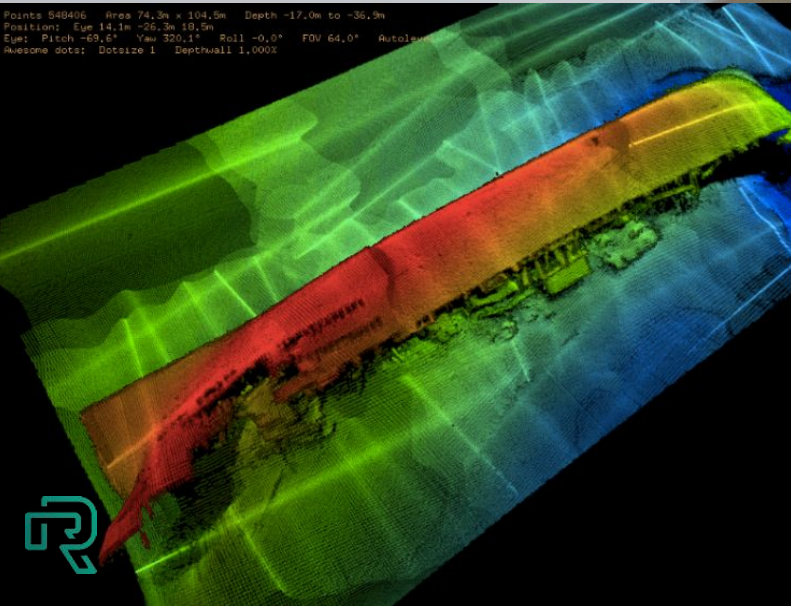
Navigation and control

WE INTEGRATE:

- Navigation Systems.
- Electronic maps.
- Communication systems.
- Devices for integration and representation of navigation data and sensor information.



Hydrographic swath vessel for the National Hydrographic Service built at TANDANOR Shipyard



Hydrography

WE INTEGRATE:

- Echo sounders
- 3D multibeam
- Sonars
- ROVs (Remote Operated vehicles)
- AUV (Autonomous Underwater Vehicle)
- Data collection software
- Anti-mining missions
- Underwater search and identification



T I E R R A

**soluciones
terrestres**

Comunicación. Transporte.
Protección personal. Radares.



GOOD/SERVICE	HS CODE	COUNTRIES
SERVICE	-	ALL



TERRESTRIAL SOLUTIONS

5G BASED TACTICAL AND SECURITY COMMUNICATION SYSTEMS



5G communications technology offers much more than data and voice over radio. It has the potential to create a ubiquitous information sphere where intelligence data from sensors, targets, surveillance and signals are automatically available.

POSSIBLE
APPLICATIONS:
MASSIVE EVENTS,
NATURAL
DISASTERS OR
EMERGENCY
SITUATIONS,
BORDER OR
INLAND CONTROL,
AMONG OTHERS

TERRESTRIAL SOLUTIONS

POLARIMETER

Fluorescence polarization (FPA) technology reader, applicable to different areas, like rapid and accurate diagnosis of viral and bacterial diseases, or environmental pollution assessment.



FEATURES:

- Results in less time than other methods such as ELISA or PCR.
- High sensitivity and specificity technology.
- Simple to operate.
- Detects antigens and antibodies.
- Useful for research and/or diagnosis of viral diseases.
- The software includes working with individual or pooled samples.
- Effective both in a laboratory environment and in a portable way.
- Internet connection admits direct upload of results into the user's internal system, allowing automatic sample reports. (IoT)

GOOD/SERVICE	HS CODE	COUNTRIES
GOOD	9027.80	ALL



Already being used in
argentinian labs for
brucellosis detection

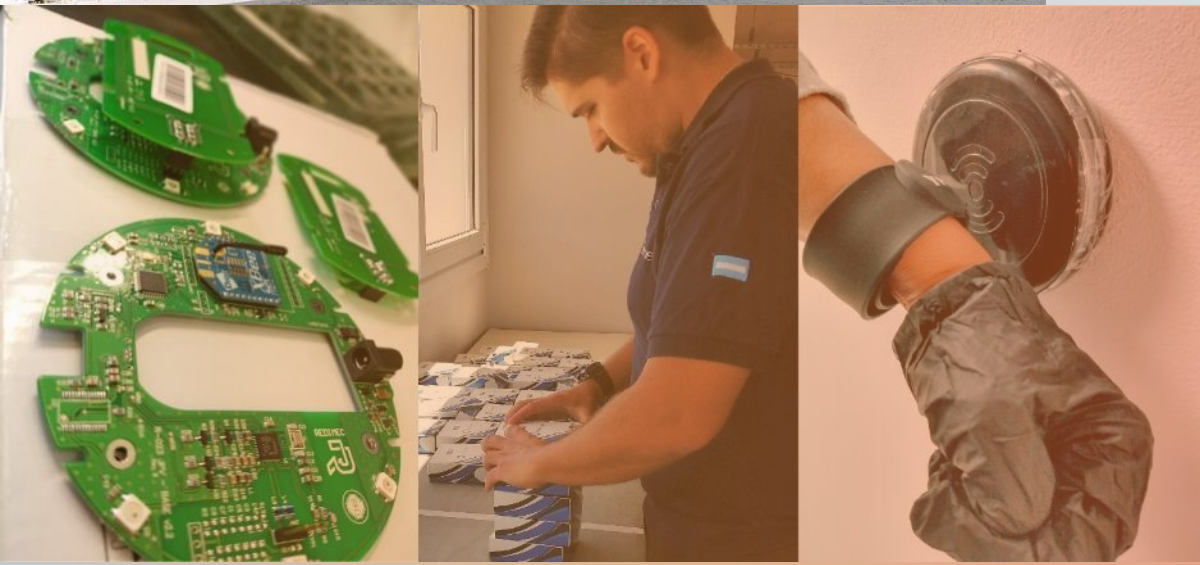
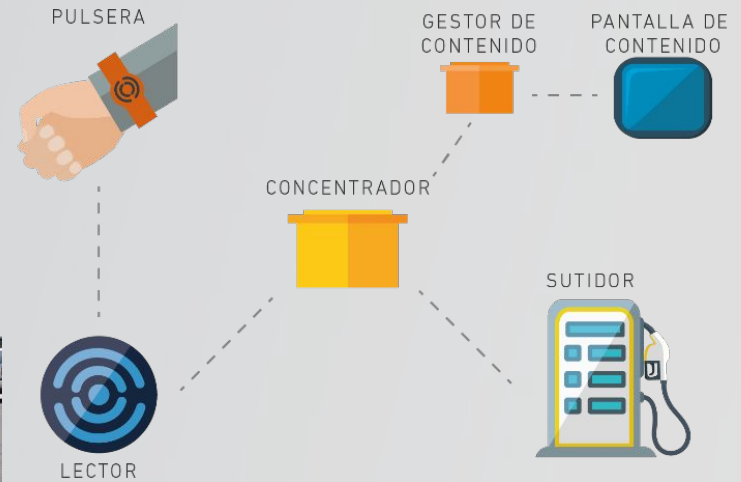
TERRESTRIAL SOLUTIONS

IDENTIFIED ACTIVATION FOR FUEL PUMPS



GOOD/SERVICE	HS CODE	COUNTRIES
GOOD	8517.62	ALL

Collect information on daily transactions at gas stations.
Digitize data on cloud platforms for subsequent analysis.



APPLICATIONS:

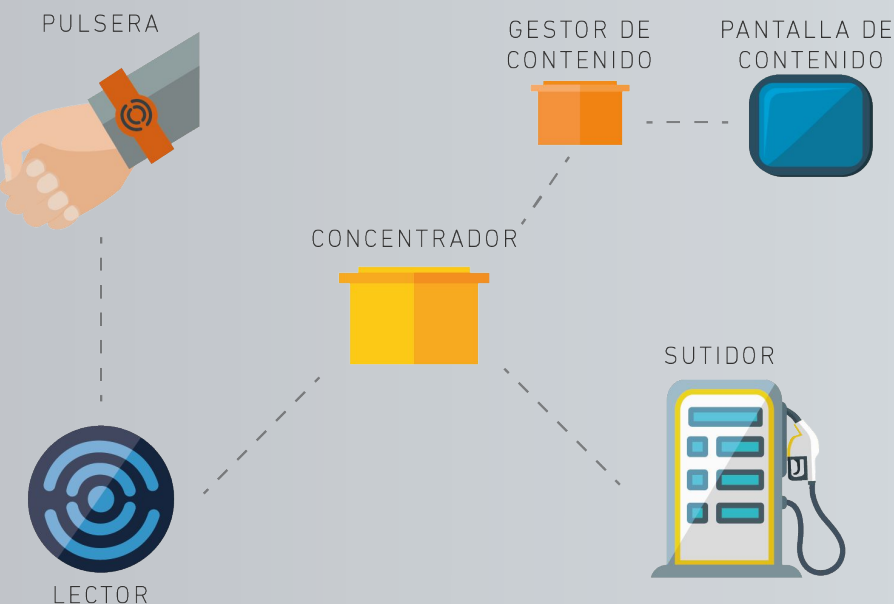
- Safety and control
- Fuel loading only by authorized members of staff
- Performance evaluation
- Statistics
- Marketing



TERRESTRIAL SOLUTIONS

IDENTIFIED ACTIVATION OF FUEL PUMPS

KIT PARTS



Lector RFID + Pulseras (RFID Reader + Bracelets)

It allows the identification of the worker, and sends a request of activation of the fuel pump to the hub.

Concentrador (Hub)

Receives the activation request sent by the reader+bracelet. Interacts with internal system that broadcasts an order to the fuel pump and the content manager..

Gestor de Contenido (Content Manager)

Provides information to the content screen that displays information of the service, of promotional products or any other information determined by internal system.

GOOD/SERVICE	HS CODE	COUNTRIES
GOOD	8517.62	ALL

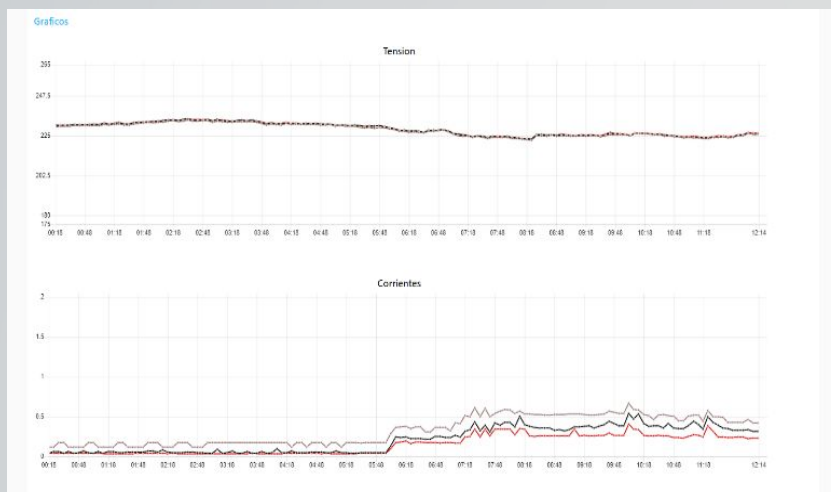
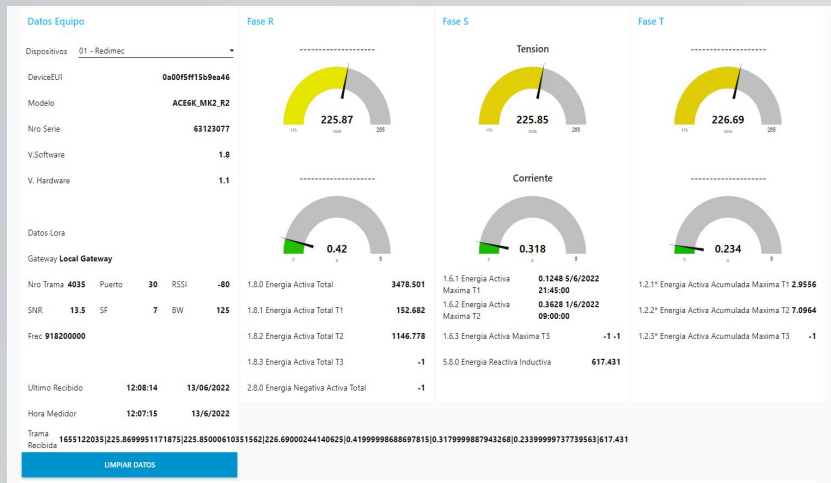


TERRESTRIAL SOLUTIONS

OPTICAL SENSOR LoRaWAN

Remote survey and reporting with high frequency of power consumption data. This device captures consumption information (voltages, currents, powers, rates, among others) automatically and regularly from low-power single-phase or three-phase meters at the consumer level.

Developed for local power supplier



LoRa, Wi-Fi or 4G connection allows the transmission of the collected data to the internal systems of each distributor. Adaptable to different types of power meters

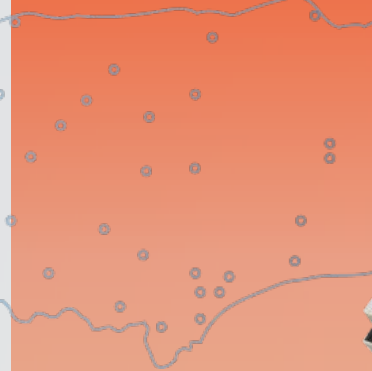
GOOD/SERVICE	HS CODE	COUNTRIES
good	9028.30	ALL



TERRESTRIAL SOLUTIONS

METEOROLOGICAL STATIONS SYSTEM

Floods, droughts and soil quality study network based on meteorological stations that include environmental sensors (surveying soil conditions, water, weather, and more). Real time and deferred data transmission from stations to data center that collects the information for later analysis.



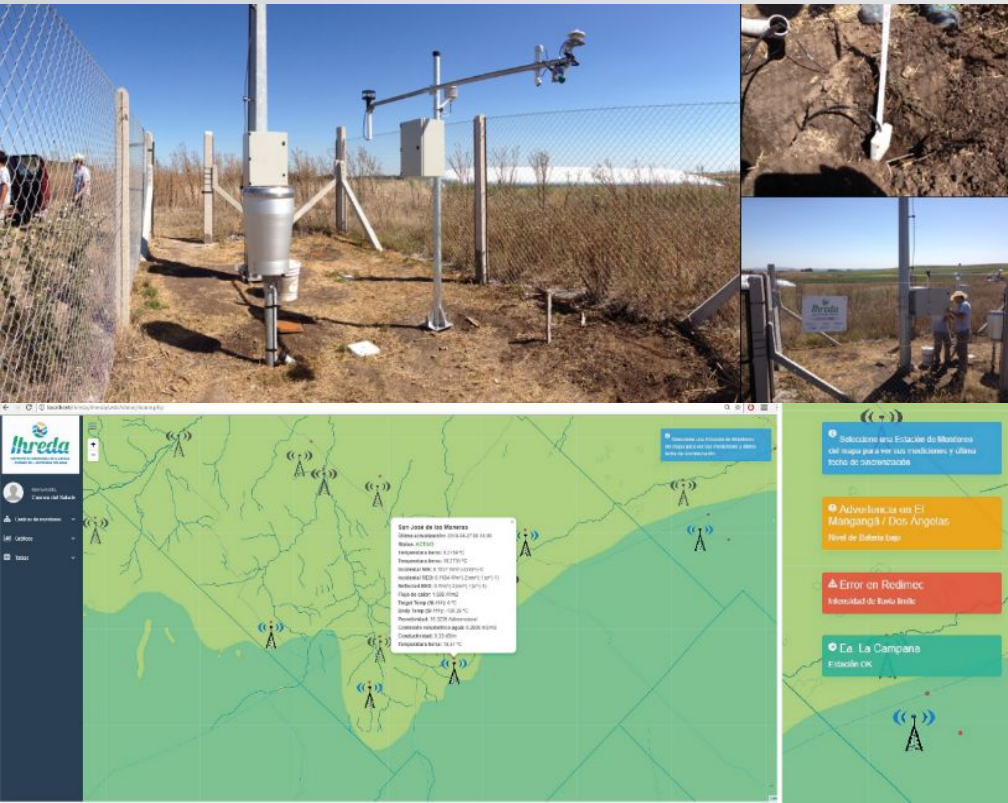
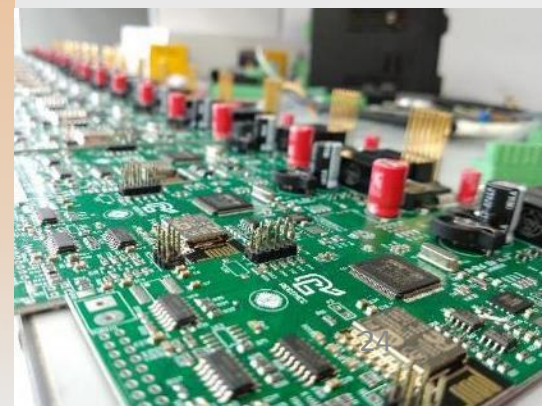
GOOD/SERVICE	HS CODE	COUNTRIES
GOOD	9026.80	ALL



SOME APPLICATIONS:

- Environmental research
- Agro Productive planification
- Water management

Designed for Río Salado (Buenos Aires Province).
The development and implementation was made in cooperation with public and private institutions.



TERRESTRIAL SOLUTIONS

THEODOLITE

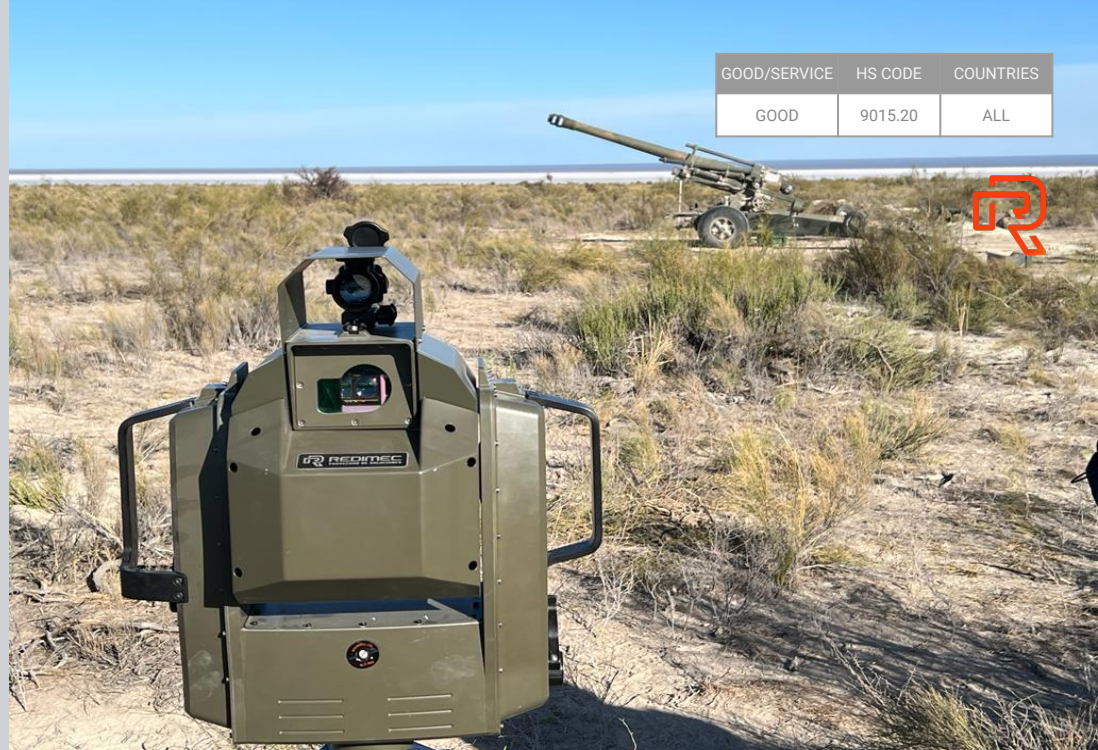
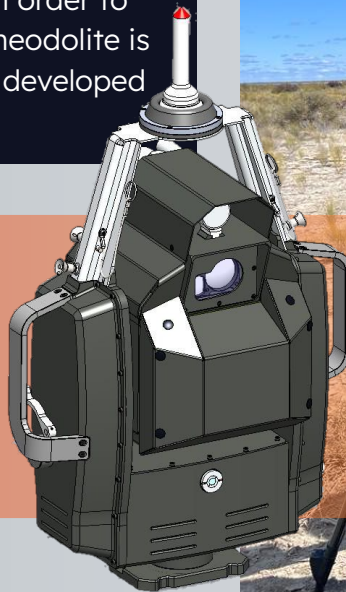
GUN LAYING AND TOPOGRAPHIC SYSTEM

A new revolutionary tool with embedded INS for artillery applications. (independent of GPS)

While most systems exclusively rely on GNSS, our Theodolite features an integrated high-grade INS that allows for instant and highly accurate measurements, even in GNSS denied environments.

An optical sight enables target aiming and a laser Range Finder completes the system in order to get distance information. The GLTS Theodolite is coupled with a moving map specially developed and dedicated to artillery operations.

National manufacturing project. Co-designed with IxBlue (now Exail)



GOOD/SERVICE	HS CODE	COUNTRIES
GOOD	9015.20	ALL



TERRESTRIAL SOLUTIONS

THEODOLITE

Key features

- 3.5X optical sight.
- Laser rangefinder
0 to 5Km - 0.01 to 0.5m heading accuracy depending on distance.
- Inertial Navigation System for scenarios with and without GNSS
- Georeferenced Cartography WGS84

GOOD/SERVICE	HS CODE	COUNTRIES
GOOD	9015.20	ALL



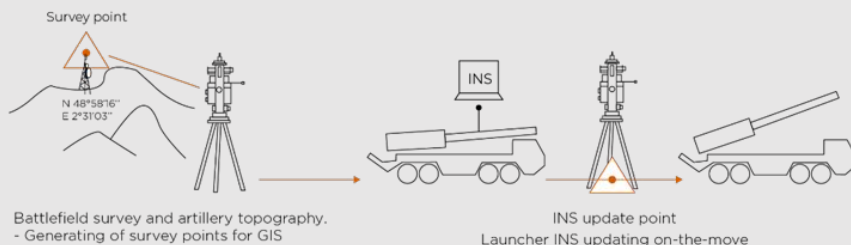
KEY BENEFITS

- Undisrupted navigation in GNSS denied environment
- Fast deployment
- Compatibility with any fire control system
- Designed to withstand harsh conditions

National manufacturing project.
Co-designed with IxBlue (now Exail)

NAVIGATION WITHOUT GNSS

Launcher with embedded INS

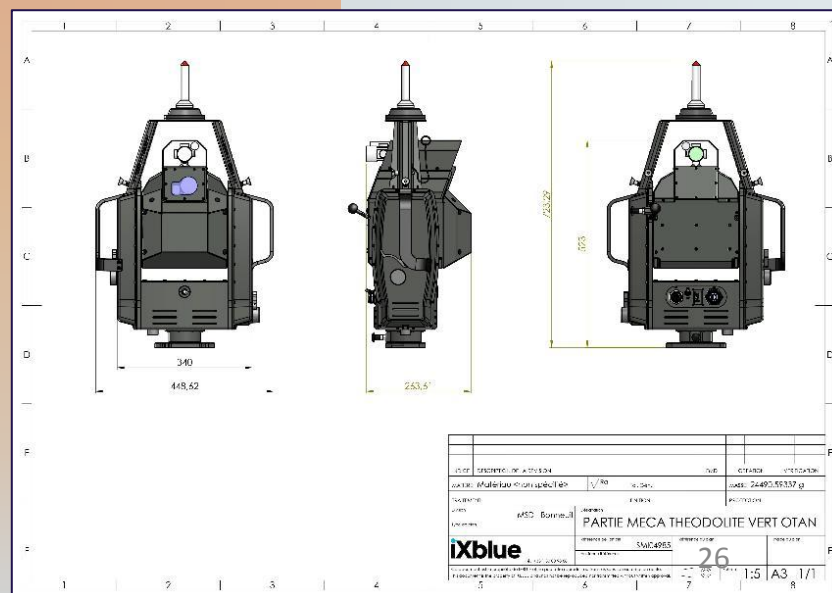
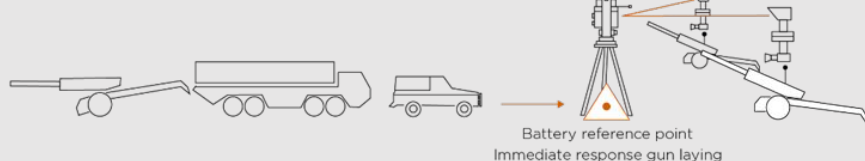


Launcher without embedded INS



NAVIGATION WITH GNSS

Launcher without embedded INS





30 Años de experiencia
30 Years of experience



3 Locaciones
3 Locations



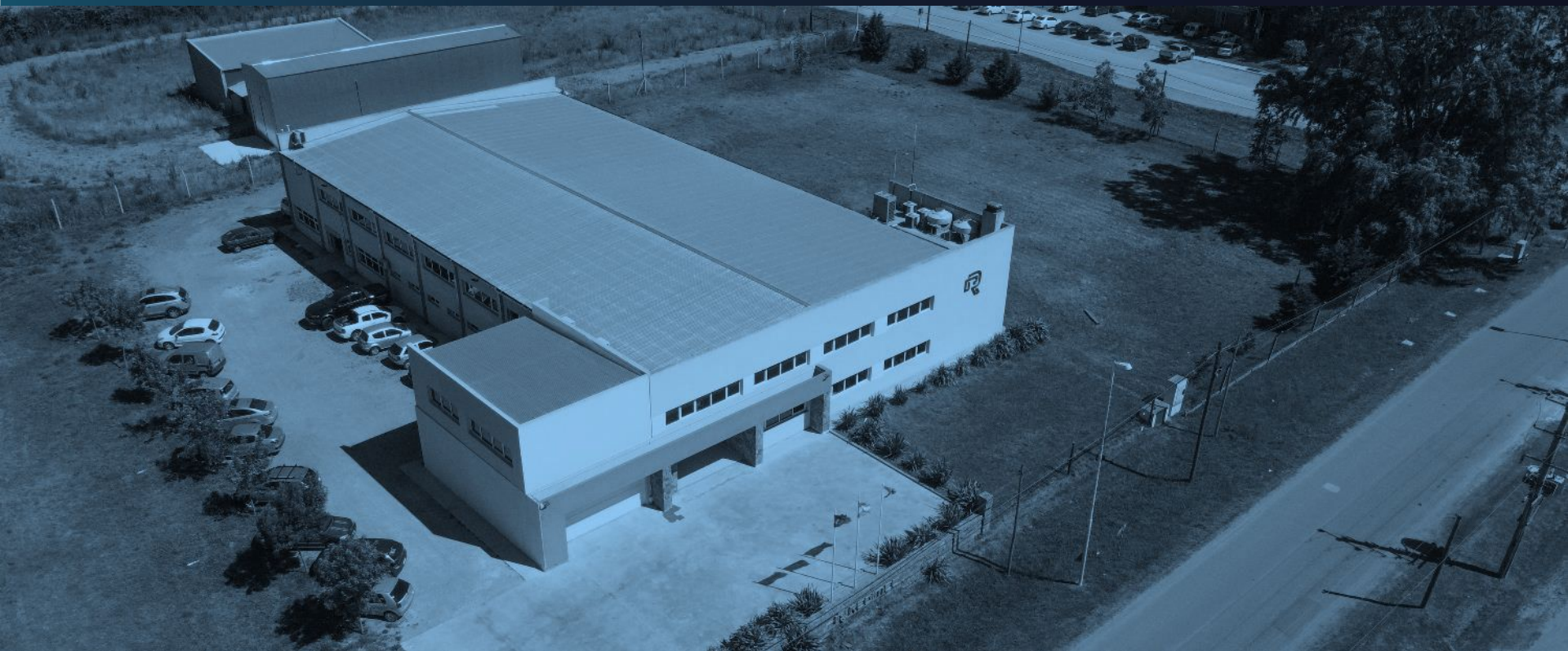
Presencia Internacional
International Presence



+50 Profesionales
+50 Professionals



Cientes Civiles y Militares
Private and Military Customers



MEMBERS OF:



WE ARE AUDITED BY:



ANAC
Administración Nacional
de Aviación Civil



REPÚBLICA ARGENTINA 27
ESTADO MAYOR CONJUNTO DE LAS FF.AA.
DIRECCIÓN GENERAL DE AERONAVEGABILIDAD MILITAR CONJUNTA

INFRASTRUCTURE

- AVIONIC SYSTEMS
- NAVAL SYSTEMS
- TERRESTRIAL SYSTEMS

We own two highly equipped and certified workshops in two strategic locations in Argentina.

INFRASTRUCTURE



Extreme weather conditions simulation for equipment testing and calibration



Repair and diagnosis on test stands.

WORKSHOP AREA



High quality service of conventional or gyroscopic instruments.



INFRASTRUCTURE



● **RESEARCH & DEVELOPMENT AREA**



REDIMEC
PROVEEDOR DE SOLUCIONES

¿HOW CAN WE HELP YOU?

- Specialized services
- Flexibility
- Empathy and commitment
- Infrastructure
- Experience in different areas
- Responsibility
- OEMs direct support



30
AÑOS



REDIMEC
PROVEEDOR DE SOLUCIONES

WE SEE OURSELVES AS A BRIDGE OF TECHNOLOGICAL
UPDATES THAT LEAD OUR COMMUNITY AND OTHER
COMPANIES TO CONSTANT DEVELOPMENT

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