

DTA S.A. produces Digital, RF & Microwave equipment for Space, Avionics and Terrestrial in the Defense and Commercial Markets.

DTA S.A. is presently working under contract to CONAE (Argentina's Space Agency) in the development of the SAR- System controller for the SAOCOM, as well as the necessary EGSE.

At DTA S.A. we have trained a dedicated group of engineers with design and manufacturing expertise in: Embedded Software, Digital & Analog circuits, video, RF, Microwaves, Mechanics and Thermal Analysis.

DTA S.A. has produced the MWR, the NIRST & mechanical parts for the ROSA equipment, now flying in the SAC-D - Aquarius. This equipment was produced in our Class 10,000 Clean Room (ISO-7) facilities.

DTA S.A. has integrated, design, engineering, manufacturing and testing capabilities for electronics and mechanical parts /



ASSEMBLY SERVICE



HEADQUARTERS

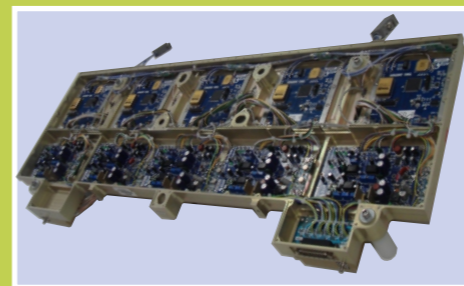
Monseñor P. Cabrera 5020 - Córdoba, X5008HJP Argentina
Tel.: (54) 351 4770044 / Fax: (54) 351 4764576
sales@dta-sa.com

USA Office (REPRESENTATIVE IN U.S. AND CANADA)

GM Systems LLC
27 Kim Place, Kings Park, N.Y. 11754-5025
Tel.: 631-269-3820
t2@gmsystems.com

ISRAEL office

Ultram Technologies Ltd.
58 Hameyasdim Street, Moshav Mazor, 73160
Tel. (972) 03 9331696,
sales@ultramtech.co.il



www.dta-sa.com



We can provide one stop solutions to your needs!
If a standard product is available from our partners, we will sell it to you.
If not, we have the skills to develop an integrated custom solution for you!



ENGINEERING & MANUFACTURING

SPACE PRODUCTS

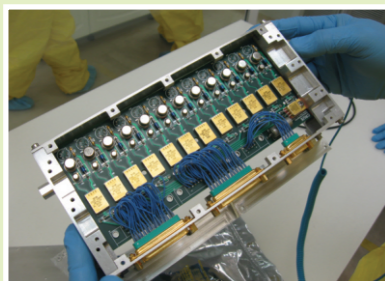
New Development:
Integrated SAR CTR with including, RF splitters combiners, CU (Control Unit for TRMD with embeded microcontroller, RT 1553, custom dedicated logic, and large beam table memory. In flight upgradeability), and custom mechanical structure.

PSC (Power Splitter/Combiner) in L Band for SAR Systems.
Mechanical Housing for Space Use.

Under Development:
S Band Transceiver (light radhard module).
X Band Transmitter O-QPSK 320 Mbps / 8-PSK 155 Mbps. 4DTCM (under CCSDS specs).

GROUND SEGMENT PRODUCTS

Solid State Power Amplifier (SSPA).
Frequency Down Converter S Band to 70MHz.
Frequency Up Converter 70MHz to S Band.
Frequency Down Converter X Band to 720MHz.
Redundant Switch low and high power versions.
EGSE (Electronic Ground Support Equipment)



ASSEMBLY SERVICES

DTA S.A. has personnel qualified under NASA and ESA Standards,

DTA S.A. is ISO-9001 certified.

DTA S.A. is qualified for military avionics design, manufacturing and repair (DIGAMC certified).

AEROSPACE & DEFENSE

"Tailor designed IP Cores, to improve performance with less power and weight, with optimum cost/performance ratio."

DTA S.A. offers Board Level, customized solutions for rugged environments.

Military buses: MIL-STD-1553B RT, IP for FPGA.

Microprocessor cores: parameterizable minimum-size 8051 core, 6805, NIOS II.

Custom Design of ad-hoc peripherals for customer specific needs.

DTA has proven expertise in computer driven Electrical Ground Support Equipment for Satellites and Aircrafts, involving large software projects in multiple languages (PYTHON, C++, .NET, VHDL, LabView ...).

DTA has developed complex EGSE test equipment based on standard instruments, but also developed their own technology when needed.



AEROSPACE & DEFENSE RF FILTERS

DTA S.A. has a staff of highly experienced engineers in design and manufacturing of RF/Microwave Filters.

Computer-Aided Capabilities:
Analysis & Simulation Design, Engineering, Manufacturing, Testing and QA Tracking.

These capabilities allow us to provide design solutions in a frequency range from DC to 20GHz.

Technologies: Miniature Lumped Element, Interdigital and Combline, Helical loaded cavities, Suspended Substrate, Cavity Filters including microprocessors.



AEROSPACE & DEFENSE MECHANICS

The Structural Design Office has enough experience to take a project from concept to launch.

Mass properties, volume, payload accommodations, field-of-view and other specific requirements are analyzed and optimized. Kinematics and dynamics aspects of the design are evaluated by transporting the 3D geometry directly to Finite Element Models.

DTA S.A. is able to provide test plans, specification, procedures and reports for vibration & thermal testing of component or system level tests.

COMMERCIAL PARTNERS

DTA S.A. is the Argentinian Rafael Advanced Defense Systems Ltd (IL) business partner for Defense requirements.

DTA S.A. represents Aeroflex (HiRel Products, Colorado Springs, Gaisler, Metelics, Plainview, Weinschel, etc.) for the **Argentinian & Brazilian market.**

DTA S.A. represents Agile for the Argentinian & Brazilian market.

DTA S.A. represents Luff Research for the **Argentinian & Brazilian market.**

IN SHORT: Flight Simulators, ElectroOptical Testing Equipment, other microelectronics families, etc..

