# Rincon Research
# CubeSat and SmallSat Services

## Small Company, Exceptional Results

Our team of capable scientists and engineers provides a full range of small satellite solutions and support using state-of-art hardware and software.

### EXPERIENCED

- MISSION DESIGN
- PAYLOAD DESIGN & FABRICATION
- GROUND TERMINAL ENGINEERING
- ON-BOARD PROCESSING
- PASSIVE RF ORBIT DETERMINATION
- COMMUNICATIONS LINK DESIGN

### ACCOMPLISHED

- RF ANALYSIS & DESIGN
- DIGITAL SIGNAL PROCESSING
- RESEARCH & TRADE STUDIES
- HARDWARE DESIGN
- HIGH PERFORMANCE FPGA COMPUTING
- ISO 9001:2015 CERTIFIED SYSTEM DESIGN, ASSEMBLY, & TEST

## Smart · Innovative · Trusted


Rincon Research Corporation
An Employee-Owned Company

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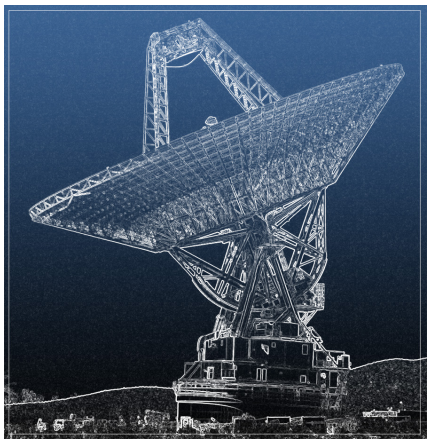
# RINCON RESEARCH
# CUBESAT AND SMALLSAT SERVICES

WITH OUR WIDE-RANGING SPACE SYSTEMS EXPERIENCE, RINCON RESEARCH CAN HELP YOU SUCCESSFULLY COMPLETE CHALLENGING MISSIONS. WE HAVE EXPERTISE TO ASSIST YOU WITH ON-BOARD PROCESSING, ORBIT ANALYSIS, GNSS ANALYSIS AND APPLICATIONS, SPACE MISSION ANALYSIS, COMMUNICATION LINK DESIGN, SPACE MISSION OPERATIONS, AND CUBESAT DEVELOPMENT.



AS A RECOGNIZED WORLD LEADER IN PASSIVE RF TRACKING OF SPACE OBJECTS FOR SPACE SITUATIONAL AWARENESS, RINCON RESEARCH HAS DEVELOPED INNOVATIVE AND COST-EFFECTIVE SOLUTIONS FOR HIGH-ACCURACY ORBIT DETERMINATION, SATELLITE MANEUVER DETECTION, AND SPACE OBJECT CHARACTERIZATION.

## MISSION DESIGN

Have an interesting RF problem to solve? With extensive experience in RF design and processing as well as mission operations, Rincon Research has the expertise to analyze, design, and accomplish your RF-centric mission.

## SATELLITE OPERATIONS

Rincon Research is experienced in supporting satellite operations. We also assist in producing models, graphics, simulations, and other tools to ensure the science management team is aware of the current operating constraints.

## GROUND TERMINAL OPERATIONS

Need a ground system solution? Rincon Research has a rich legacy of ground network digital-IF technology and antenna expertise to achieve scalable, cost-effective, command, control, and mission data links.

## CUBESAT PAYLOAD FOR HIRE

Rincon Research's AstroSDR is a complete RF processing payload: configurable radio, FPGA signal processor, ARM processor, and data storage. AstroSDR combines state-of-the-art capabilities with a flexible design, resulting in a compact, efficient solution for multiple mission requirements.

## HIGH-PERFORMANCE ELECTRONICS DEVELOPMENT AND PRODUCTION

We engineer custom products to meet our customers' requirements.
Our line of high-performance electronics includes FPGA-based computation and RF data acquisition products. Our electronic-technology line features highly-customized systems that perform to extraordinary standards.

## ORBIT ANALYSIS

Want to know where your satellite is? Our orbital engineers have a history of innovative and cost-effective solutions for high-accuracy orbit and maneuver determination. Our passive RF technology is ready to provide all-weather, 24/7 support to your mission.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