



Electrical Testing Interior Air Contaminants Reinforcing Steel Mapping Energy Efficiency Audit Historical Preservation Concrete Corrosion Scan Sound and Vibration Test Roof Membrane Testing Infrared Thermal Imaging



Post-Tensioning Assessment Railings Load Test Expansion Joints Test Reserve Study Seawall Repairs QC Roofing Quality Control Laboratory Testing Turn-Over Inspection Masonry Testing



Roof Moisture Scanning Electronic Control Test Fresh Concrete Testing Concrete Strength Testing Glazing Inspection Concrete Voids Mapping Garage Concrete Repairs QC Illumination Testing Balcony Repairs QC

**CONSULTING ENGINEERS**

**CONSTRUCTION QUALITY ASSURANCE**

**BUILDING MATERIALS TESTING LABORATORY**



[www.RASengineers.com](http://www.RASengineers.com)

**TESTING FOR BUILDING PERFORMANCE**

**PRESERVATION AND**

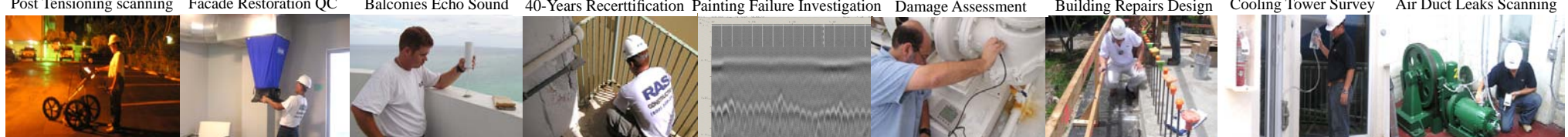
**DURABLE RESTORATION**



Moisture Impedance Test Fire Sprinklers Concrete ASR Test Windows Deluge Testing Historical Buildings Seawall Assessment Post-Tensioning Repairs QC Steel Corrosion Test Refrigeration Eqpt Testing



Post Tensioning scanning Facade Restoration QC Balconies Echo Sound 40-Years Recertification Painting Failure Investigation Damage Assessment Building Repairs Design Cooling Tower Survey Air Duct Leaks Scanning



Underground Utilities Scan Air Test and Balancing Cladding Permeability Concrete Chlorides Test Ground Penetrating Radar Plumbing Testing New Post-Tensioning QA Sealants Testing Elevator Testing



Envelope Deluge Testing Structure Strengthening Curtain Walls Repair QC Fire Insulation Survey Expansion Joints Testing Interior Leaks Scanning Concrete Pull-Out Test New Construction QA Concrete Carbonation Test

## PERFORMANCE

RAS WAS CREATED ON 1998 TO PROVIDE CONSULTING ENGINEERING SERVICES TO INCREASE THE PERFORMANCE OF HIGH RISES TO LOW RISES BUILDINGS, OFFICE BUILDINGS, HOSPITALS, AIRPORTS, INDUSTRIAL BUILDINGS, TO SHOPPING MALLS.

RAS TEAM EXCELS AT PROVIDING SUPERIOR SERVICES AT VERY COMPETITIVE PRICES.

WE ARE INNOVATIVE, CONSISTENTLY ON BUDGET AND ON TIME.

WE RECOGNIZE OUR CLIENT'S NEEDS TO CONTINUE THEIR BUSINESS OPERATIONS WITH MINIMUM INTERRUPTIONS.

IN ORDER TO ACHIEVE THE PROJECT GOAL WE OFFER FLEXIBILITY TO WORK WITHIN THEIR SCHEDULING REQUIREMENTS



## SYSTEMS

REGRIGERATION EQUIPMENT TESTING

**COOLING TOWER INSPECTION**

AIR AND WATER TEST AND BALANCING

**ELEVATOR INSPECTION**

PLUMBING TV CAMERA INSPECTION

**EMERGENCY POWER GENERATOR SPECS**

FIRE SPRINKLERS INSPECTION AND TEST

**WATER BACKFLOW PREVENTER TESTING**

MAINTENANCE PLANNING AND ALERTS

**ELECTRICAL PANELS INSPECTION**

FIRE ALARM INSPECTION

**ELECTRICAL TESTING**

CONSTRUCTION DOCUMENTS FOR PERMIT

**BID SPECIFICATIONS PACKAGE**

CONSTRUCTION QUALTY ASSURANCE

**UNDERGROUND UTILITIES SCANNING**



## CHALLENGE

WE CONSTANTLY RESEARCH AND EVALUATE NEW PRODUCTS IN OUR LABORATORY AND ON THE ACTUAL BUILDING.

IN SOME PROJECTS, THAT REQUIRES EXTREME PERFORMANCE, WE TEST ALTERNATE PRODUCTS BEFORE SPECIFICATIONS FOR BIDS.

WE ARE ALWAYS LOOKING FOR SUSTAINABLE MATERIALS, PERFORMANCE AND INCREASING EXPERTISE IN THIS INCREASINGLY COMPLEX BUSINESS.

WE MEET THE CHALLENGES OF EACH NEW PROJECT WITH ENTHUSIASM AND INNOVATION.



## INDOOR AIR QUALITY

AIRBORNE SOUND TESTING

**INDOOR AIR QUALITY**

MOLD TESTING

**SOUND AND VIBRATION**

MOISTURE SCANNING

**AIR AND WATER TEST AND BALANCING**

INDOOR AIR PARTICLE TESTING

**AIR LEAKAGE TESTING**

VENTILATION AND EXHAUST TESTING

**ASBESTOS TESTING**

LEAD ON PAINTING TESTING

**RADON TESTING**

CARBON MONOXIDE TESTING

**CARBON DIOXIDE TESTING**

LEGIONELLA TESTING

**VOC'S TESTING**

FORMALDEHYDE TESTING

**SEWAGE CONTAMINATION TESTING**



**RAS**

## CUSTOMER SATISFACTION

WE ARE DEDICATED TO HIGH STANDARDS OF ETHICS AND TOTAL CUSTOMER SATISFACTION.

RAS PROVIDES: LIVE CHATS WITH OUR ENGINEERS, ONLINE BUILDING RECORDS, WEB SEMINARS FOR MANAGERS AND BOARD MEMBERS, ONLINE PRESENTATION OF TYPICAL BUILDING DAMAGE, 24-HOURS RESPONSE, AND WEB CONFERENCE TO DISCUSS FINDINGS.

WE HAVE BUILT OUR REPUTATION BY KEEPING OUR WORD AND DEVELOPING SOLID RELATIONSHIPS WITH OUR CLIENTS.

WE CONSTANTLY SURPASS OUR CLIENT'S HIGHEST EXPECTATIONS.



## ENERGY

ENERGY AUDITING

**ELECTRICAL SYSTEM TESTING**

ILLUMINATION TESTING

**AIR AND WATER TEST AND BALANCING**

AIR LEAKING TESTING

**COOLING TOWER INSPECTION**

WATER FLOW AND TEMPERATURE

**PLUMBING LEAKS DETECTION**

GAS LEAK DETECTION

**WATER CONSUMPTION METERAGE**

POWER CONSUMPTION METERAGE

**WINDOWS TESTING FOR AIR INFILTRATION**

HVAC EQUIPMENT PERFORMANCE TESTING

**AIR AND WATER TESTING AND BALANCE**



**RAS**

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