



NASACITY

Trace Space Back to You.



| COASTAL | HOUSEHOLD | AIR TRAVEL | SPORTS & RECREATION | MANUFACTURING | AUTOMOTIVE | PUBLIC SAFETY | MEDICAL | GROCERY |
|--|---------------------------------------|---|--------------------------------|-----------------------|-------------------------------|--------------------------------------|---|----------------------------------|
| Search and Rescue at Sea | Infrared Ear Thermometers | Collision Avoidance Systems | Shock-Absorbing Athletic Shoes | Powdered Lubricants | Improved Radial Tires | Fire-Resistant Reinforcement | Light-Emitting Diodes (LEDs) | Food Safety Systems |
| Flood Monitoring | Ingestible Toothpaste | Clean-Burning Engines | Stadium Material | Improved Welding | Cleaner Burning Cars | Video Enhancing and Analysis Systems | ER Infrared Ear Thermometers | Ethylene Removal System |
| Environmentally Safe Ship Cleaning | Cosmetics | Nitrogen Oxide Reduction | Plasma Displays | Quick Fasteners | Advanced Lubricants | Fire Sensors | Automatic Insulin Pumps | Hyperspectral Imaging of Chicken |
| Environmentally Safe Sewage Treatment | Memory Metal Alloys | Anti-Icing Systems | Protective Padding | Power Plant Design | Car Chassis and Brake Systems | Face Masks and Fire Suits | Artificial Limbs | Refrigeration Showcase |
| Oceanic Monitoring | Environmentally Safe Sewage Treatment | Optics for High-Speed Ticket Processing | Golf Equipment | Smokestack Monitors | Crash Analysis | Land Mine Removal | Clean Room Apparel | Packaging and Freeze-Drying |
| Pollution Remediation | Polished Brass Finish | Virtual Biofeedback Training | Helmets | Rapid Prototyping | Structural Analysis | Anthrax Detection | Precision Dialysis Pumps and Filters | Enriched Baby Food |
| Dam Corrosion Control and Bridge Support | Bacteriostatic Water Softeners | Jet Lag Prevention | Ingestible Thermometers | Chemical Detection | Highway Safety | Radio and Breathing Systems | Invisible Braces | |
| | Temper Foam | Cabin Pressure Devices | Protective Cool Vests | Improved Mine Safety | Truck Design | LifeShears | Diamond Coatings: Artificial Hip Joints | |
| | Phase-Change Materials | Parachute Systems | Heart Rate Monitors | Protective Cool Vests | | Flame-Retardant Materials | Corneal Refractive Therapy | |
| | Improved Footwear | Voltage Controllers | Tennis Rackets | | | Self-Illuminating Materials | Dental Waterline Purification Cartridge | |
| | | | | | | | Ventricular Assist Device | |
| | | | | | | | Gait Analysis System | |

NASACITY

Trace Space Back to You.



|  |  |  |  |  |  |  |  |  |
|--|--|---|---|---|--|---|--|--|
| COASTAL | HOUSEHOLD | AIR TRAVEL | SPORTS & RECREATION | MANUFACTURING | AUTOMOTIVE | PUBLIC SAFETY | MEDICAL | GROCERY |
| <p>NASA's remote sensors and satellites tell us a lot about what's going on in our world; flood and ocean monitoring are just two of their functions. And NASA does more than just look at things! A robot developed with the benefit of NASA funding and technology can remove paint from ships without damaging the environment. A former head of NASA's Environmental Research Laboratory at Stennis Space Center, along with his team, has developed a new, environmentally safe system for treating sewage. And who wouldn't want safer bridges and dams? An electromigration technique developed by NASA helps prevent corrosion in bridges, dams, and other structures. If you're spending time at the shore, NASA's there with you. Learn more about NASA's coastal technology at http://www.nasa.gov/city.</p> | <p>In many ways, living in space is similar to living on Earth. Thanks to NASA's contributions and industry partnerships, families all over are taking advantage of cutting-edge technologies originally used in space. Are you? Sure! Look around your house and you're bound to see how NASA contributes to your daily routine. It could be something as simple as the wireless headset through which you communicate as you roam the house or as complex as the Internet-connected combination refrigerator-wall oven that keeps food cold until you remotely tell it to start cooking. It doesn't stop there—there's more NASA to explore in your home. From the memory foam in your mattresses and pillows to the memory metal alloys in your faucets, water purification systems throughout your house, and much more, it's safe to say that wherever you go in your house, NASA is there, bringing aerospace technology to improve your life on Earth. Learn more about NASA in your home at http://www.nasa.gov/city.</p> | <p>It's no surprise that NASA is with you when you fly—after all, the first A in "NASA" stands for "Aeronautics"! NASA's advances in aviation include reducing noise and nitrogen oxide production, deicing planes, monitoring cabin pressure, countering jet lag, and even speeding up the processing of your tickets. Everywhere you look in aeronautics, NASA will have you walking on air! To learn more about NASA technology at work in the world of aviation, visit http://www.nasa.gov/city.</p> | <p>What you wear, what you see, where you sit—NASA is with you in your sporting and recreational activities. Shock-absorbing athletic shoes that use spacesuit technology cushion athletes' feet. The knowledge and techniques gained from developing protective foam padding for aircraft seats have been adapted for helmets and other safety equipment. The National Football League's first retractable roof at Reliant Stadium, which is supported by a network of cables and pylons, was made possible by technology developed by NASA in the creation of fabric for its spacesuits. And the large-venue plasma display that shows you the instant replay might contain a NASA-recommended approach in using nondistorting, nondiscoloring, and multicontour microspheres. For more information on NASA's presence in sports and recreation, visit http://www.nasa.gov/city.</p> | <p>Need to assemble something in a hurry? Thanks to NASA, there's a faster fastener for you! A quick-connect nut developed for in-space assembly can be pushed onto a standard bolt and locked into place with a quarter turn to the right. That's just one of NASA's innovations that benefit terrestrial manufacturing. Others include powdered lubricants, optimal power plant designs, smokestack monitors, sensors to detect chemicals, monitors to improve mine safety, and suits that protect against hazardous materials and extremes in temperature. Learn more details about NASA's industrial advances at http://www.nasa.gov/city.</p> | <p>You may not be a Space Shuttle pilot, but if you drive a car, truck, or bus, you may have encountered NASA! Stronger tires, advanced lubricants, rugged school bus chassis, and aerodynamic truck designs are just a few of the places where you'll find NASA on the road. You may even find NASA in the road itself—safety grooving in concrete, a technique that originated at NASA Langley Research Center, reduces skidding, decreases stopping time, and enhances a vehicle's cornering ability. Learn more about NASA on the road at http://www.nasa.gov/city.</p> | <p>Everyone loves a good campfire, but unwanted fires are another matter. NASA's technology helps detect, resist, and extinguish fires. NASA's airborne system for imaging forest fires delivers information about fire locations quickly. Technology used in the development of the heat shield for the Apollo spacecraft has been adapted into various fire-retardant materials to prevent the spread of fire and protect people inside burning buildings. Breathing equipment based both on NASA's design expertise and on lightweight materials used in space helps protect firefighters from smoke-inhalation injury. To learn more about NASA's contributions to fire safety and other areas of safety and security, visit http://www.nasa.gov/city.</p> | <p>NASA is helping to improve your health and well-being! From light-emitting diodes (LEDs) that grow plants in space and heal humans on Earth, to micro-miniaturization techniques used in automatic insulin pumps, to water purification systems based on those used in space, NASA's work is making important contributions to health. Robotics work done for NASA is being adapted to create more functionally dynamic artificial limbs, and technology originally created for use in sounding rocket assemblies and robotics has been incorporated into a gait analysis system. Individuals using these products are doing their own kind of "space-walking"! Check out more of NASA's contributions to health and medicine at http://www.nasa.gov/city.</p> | <p>What does NASA have to do with food? Well, astronauts have to eat, too! And when NASA fulfills the stringent requirements for safe dining in space, diners on Earth benefit as well. When you go shopping for groceries, NASA is there with you. Food lasts longer thanks to techniques for freeze-drying and packaging it and to refrigerators designed to meet higher standards for preserving it. Even some commercially available infant formulas now contain a nutritional, algae-based enrichment ingredient that traces its existence to NASA-sponsored research. To learn more about how NASA's work benefits food safety and nutrition, visit http://www.nasa.gov/city.</p> |