



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	
	Liquid Metal and Sports Equipment	Cabin Pressure Devices	Protective Cool Vests	Improved Mine Safety	Truck Design	LifeShears	Diamond Coatings: Artificial Hip Joints	
	Temper Foam	Parachute Systems	Heart Rate Monitors	Protective Cool Vests		Flame-Retardant Materials	Corneal Refractive Therapy	
	Phase-Change Materials	Voltage Controllers	Tennis Rackets			Self-Illuminating Materials	Dental Waterline Purification Cartridge	
	Improved Footwear		Phase-Change Materials				Ventricular Assist Device	
							Gait Analysis System	

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PUBLIC SAFETY



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GROCERY

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>.

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>.

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>.

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 multicolor microspheres. For more information on NASA's presence in sports and recreation, visit <http://www.nasa.gov/city>.

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>.

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, and decreases stopping time, and enhances a vehicle's cornering ability. Learn more about NASA on the road at <http://www.nasa.gov/city>.

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>.

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>.

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>.