

City of San Bernardino Gets New R44 Raven II Police Helicopter



City of San Bernardino's R44 Raven II Police Helicopter equipped with FLIR sensor and spotlight.

A new Robinson R44 Raven II Police Helicopter patrols above the City of San Bernardino through a contract with airborne law-enforcement specialist California Aviation Services. Deployed to support the city's anti-crime program, Operation Phoenix, the R44 Raven II Police Helicopter is on duty 40 hours a week. This acquisition marks the second city within San Bernardino County to utilize an R44 Police Helicopter.

ECONOMICAL

"The R44 is a great way to get an aerial program off the ground. It's affordable, fast, and has a good maintenance profile," says Captain Steve Klettenberg of the San Bernardino Police Department.

While the county sheriff had always

been accommodating about providing the city with air support, the city wanted a helicopter dedicated to Operation Phoenix. Operation Phoenix is an effort by local government agencies, businesses, and citizens to reduce crime in the city, which made the list of the nation's most dangerous places in 2004 and 2005.

A police helicopter was seen as an essential element for the program's success. Law-enforcement helicopters have proven effective in deterring crime through their high visibility, quick response, and support of ground patrols.

AERIAL COMMAND

"With its bird's-eye view, the R44 makes a very effective command platform especially during car chases and searching for

see R44 Police Helicopter on page 4

Robinson Delivers 3000th Model R44 Helicopter

Thirteen years after the first production model R44 helicopter rolled off the assembly line, Robinson Helicopters' Terry Hane presented the key for the 3000th model R44 to Frank Leon of Segrave Aviation, located in *see 3000th R44 on page 4*



Segrave Aviation's Frank Leon receives key for the 3000th R44 from Terry Hane, domestic sales.

R44 Newscopter Helps Newspaper Win Pulitzer

A Robinson R44 Newscopter served as the aerial platform for Dallas Morning News photographer Smiley Pool while he took his Pulitzer Prize winning photographs of hurricane-devastated New Orleans. The Newscopter, piloted by Ken Pyatt (president, SKY Helicopters) was designated by the FAA as the shared helicopter for still photographers.

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Photographers work from the R44 Newscopter.

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Robinson Leads the Market in Russia

Since the year 2000, Robinson has sold more helicopters in Russia than any other Western manufacturer. As of March 2006 there were 70 Robinson helicopters (67 R44s and 3 R22s) in the country, and Russian dealers have more on order for delivery this year.



Like elsewhere in the world, price and performance make Robinson helicopters attractive to Russian buyers. However, there are other reasons unique to the Russian aviation marketplace that contribute to the growing number of Robinson helicopters in the country. The most significant are (1) the development of a dealer and service-center network, (2) compliance with Russian aviation requirements, (3) the lack of domestic light helicopter manufacturers, and (4) the opening of airspace for private and commercial uses.

AIRSPACE & HELICOPTERS

During Soviet times all airspace was controlled by the military and off limits to all but a select few. The demise of the Soviet Union broke the choke hold of the military and led to the rise in personal aviation. To meet their needs, wealthy Russians are now buying Western-manufactured personal helicopters, most notably the Robinson R44. Due to the Soviet Union's emphasis on the production of brawny military helicopters, Russia has no significant domestic light helicopter manufacturers. While an Mi-26 is out of its element transporting businessmen, the Robinson R44 is built for it.



COMPLIANCE & SUPPORT

Furthermore, Robinson has dotted its "i"s and crossed its "t"s for its Russian customers, easing the way for importing and operating Robinson helicopters. The R22, R44 Raven I and R44 Raven II have Type Certificates from the Interstate Aviation Committee, which represents the Commonwealth of Independent States including Russia, Ukraine and Kazakhstan where Robinson has authorized dealers. However, Ukraine's State Aviation Authority has issued separate Type Certificates for the R44 Raven I and



Raven II as well. Also, Robinson has six authorized service centers, of which four are dealers, in Russia to support its helicopters with genuine Robinson parts and Robinson-trained mechanics.

COMMERCIAL FOLLOWING

The number of Robinson helicopters continues to grow in the commercial sector as Russian operators modernize their fleet. One commercial outfit, Ufinsky Airlines, has purchased several R44s and their success operating in a locale frequented by bad weather has increased industry interest in Robinson aircraft.

As the demand for light helicopters continues to grow in Russia, expect to see more Robinson helicopters in the sky and expanded customer support on the ground.



Following Robinsons Around the World



Olaz Helicopters' R22 painted by Pronto Rotula, a leading vehicle graphic design firm in Barcelona, Spain.



Sergei Sikorsky (right) stands next to an R44 before boarding to take a tour around San Diego, CA.



Valair Helicopters landed an R44 Raven II on Monte Rosa, Switzerland at 13,600 feet!



In Canada, an R44 sits next to the Russian-made Mi-26 helicopter, the most powerful helicopter in the world.



Hansin family (Manassas, Virginia) with their Raven II. Most of the adults are licensed helicopter pilots.



North West Service's pilots monitor the northern Italy section of Snam Rete Gas SpA's 30,000 km pipeline.

Mode S Improves Communications

Robinson recommends that new helicopters have a Mode S (Select Beacon System) transponder installed to comply with impending FAA regulations. The FAA will end all exemptions to Mode S requirements for Part 135 (Air Taxi) operators as of March 1, 2007.

AIRCRAFT IDENTIFICATION

A Mode S transponder broadcasts a unique digital aircraft identification code, usually based on the aircraft's registration number, and basic information on aircraft performance. This information assists air traffic control in tracking aircraft, issuing appropriate clearances, and sequencing traffic in congested areas.



Mode S transponders broadcast more accurate flight data to improve air traffic communications.



King KY196A & KY197A transceivers have 9 programmable channels so COMM frequencies can be preset.



Cyclic grip controls allow pilots to switch COMM frequencies without looking at the console.



Center-mounted control panel and cyclic-integrated switches add to in-flight safety.

We would like to hear from you, too. Please e-mail text and photos (TIF or JPG 300 dpi at 2" x 3") to pr@robinsonheli.com.

SUPPORTS AIR TRAFFIC SYSTEMS

Also, the capability to transfer data to and from a Mode S transponder makes Mode S the backbone for some of the latest traffic collision technologies. If the Garmin GTX330 Mode S transponder is ordered in conjunction with the pilot-side console, Garmin Traffic Information Service (TIS) is available. TIS is currently only available in the U.S.

Currently, all Robinson helicopters include the King KT76C transponder with remote Mode C altitude encoder.

Programmable Transceivers Increase Safety

With nine programmable channels, King KY196A and KY197A transceivers give Robinson pilots added safety by enabling them to preset communication frequencies before they leave the ground. When used with the control buttons on the cyclic grip, pilots can switch COMM frequencies without taking their eyes off the airspace.

King KY196A or KY197A transceivers are now standard equipment in all new Robinson helicopters. Aircraft sent to the factory for overhaul will be offered the option of installing KY196A/197A transceivers at that time.

For more information on transceivers and transponders, please check with the FAA (URL: www.FAA.gov) and the National Oceanic and Atmospheric Administration (URL: www.noaa.gov).

www.robinsonheli.com

Stay current with Robinson Helicopters' Safety Notices, Service Bulletins, Price Lists, Training Classes, and Publications. Set your internet browser's default homepage to www.robinsonheli.com.

New Robinson Accessories Available

View Robinson's newest offering of R22 and R44 clothing, accessories and luggage online at: www.robinsonheli.com/productsaccessory.htm.

Most items feature the Robinson logo, and the silhouette of either the R44 or R22. Prices and part numbers are provided to expedite purchases. An order form is available online. Print it, fill it in, and then order by either fax (310-539-5198) or phone (310-539-0508).



Apparel is available in a selection of styles, colors, and sizes.



Luggage is made with durable fabrics, strong zippers, and sturdy handles.



Accessories include ball caps, lapel pins, luggage tags, and other items.



Coffee mugs come in both ceramic and plastic.

San Bernardino Gets New Raven II Police Helicopter

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Leo Bell and Captain Steve Klettenberg with City of San Bernardino's New R44 Raven II Police Helicopter.

criminals. It's able to direct ground units in advance of car chases so they can clear the way of civilians. Equally important is that the R44 makes it a lot safer for responding ground units by giving them the lay of the land, what the situation is, where the criminal is," explains Klettenberg.

THE RIGHT TOOL FOR THE JOB

According to California Aviation Services' Leo Bell, the R44 Raven II Police Helicopter better addresses the law-enforcement needs of the city than getting helicopter support from the county sheriff. "The sheriff covers a really large, diverse area and needs a variety of helicopters, while the city basically needs a flying squad car for night patrols, surveillance, and ground support," explains Bell.

Robinson Delivers 3000th Model R44 Helicopter

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North Carolina. Segrave Aviation has been an authorized Robinson R22 and R44 dealer for over five years. The 3000th R44 was sold by Segrave to real estate developer Chris Bond, who plans to use the red helicopter for showing properties to clients.

Developed in the mid-1980s to fill the void between two-seat helicopters and expensive multi-passenger turbine aircraft, the four-place R44 helicopter received FAA certification in late 1992. Production deliveries began in February 1993. Since then the R44 has become the best selling helicopter in the world. The R44 is offered in two models: The Raven I, and more powerful Raven II. The Raven II is also available in four specialty configurations: Police Helicopter, Newscopter, Clipper, and IFR Trainer.



The 3000th model R44 takes off from the Robinson factory in Torrance, CA.

R44 Newscopter Helps Newspaper Win Pulitzer

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Aerial view of New Orleans' Ninth Ward following the failure of the levees.

Flying into a city just hit by a Category 4 hurricane had its difficulties. The absence of air traffic control, fueling stations, and maintenance facilities created conditions that tested Pyatt's piloting skills and the helicopter's capabilities.

The morning after the storm, Pyatt estimates that more than two dozen helicopters were flying low over the city without assistance. The Newscopter's advanced communication system and fuel efficiency enabled Pyatt to maneuver the aircraft safely in and around the city for up to three hours at a time, twice a day for two continuous weeks.

The R44 Newscopter became an important tool in reporting the crisis and in helping the Dallas Morning News earn the prestigious 2006 Pulitzer Prize for Breaking News Photography.

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