

**WORLD OF
ROBOTS**



**FLYING
ROBOTS**



TABLE OF CONTENTS

Flying Robot at Work!	4
What Are Flying Robots?	8
The Development of Flying Robots	14
Flying Robot Profile: Camcopter S-100	20
Flying Robot Profile: Parrot Mambo	22
Flying Robot Profile: MQ-1 Predator	24
Flying Robot Profile: Matternet M2	26
The Future of Flying Robots	28
Glossary	30
To Learn More	31
Index	32

FLYING ROBOT AT WORK!

Ramón could not move. The earthquake had knocked down his house, and he was pinned under heavy boards. He could see a tiny patch of blue sky and lots of **rubble**. There were voices in the street. Ramón tried to yell. But dust coated his throat and made it hard to speak. The voices moved away.

Much later, Ramón heard a faint sound. A small white machine flew overhead. It looked too small to hold a person but too big to be a toy.





Full Review Only

RESCUE BOTS

After Hurricane Katrina in 2005, rescue workers in Mississippi used drones to help find survivors.



After a long time, it got dark. Ramón wondered if anyone would find him. He knew his mom would be worried. Then he heard voices again. Someone was pulling him free.

As the firefighter put Ramón in the ambulance, he told the driver that a drone had saved Ramón. It had used an **infrared camera** to take photos as it flew over the destroyed town. Ramón and three other children showed up in the photos because of their body heat. They all survived!



WHAT ARE FLYING ROBOTS?

Not all robots are stuck on the ground. Unmanned aerial vehicles, or UAVs, are robots that can fly. Many people call these robots drones.

These aircraft do not carry passengers or pilots. Most UAVs are guided by **remote** control. Others are **autonomous**. That means a computer program tells them what to do. These take off, fly a route, perform tasks, and land on their own.



