**Listening Exercise 141**

Drones

¡Buen trabajo! ☺

Guidelines:

A. Review the questions and vocabulary

C. Listen to the audio twice (control + click the link).

D. Answer the questions

F. Refer to the answers to confirm correct responses and gauge understanding



1. What is different about this drone aircraft?
   1. Captures thermal wind updrafts
   2. Highest legally approved altitude
   3. Largest operational fuel tank
   4. Unlimited flight time potential
2. Which of the following CANNOT be connected to this drone?
   1. Ground control cable
   2. High-definition camera
   3. High-explosive missile
   4. Thermal imaging camera
3. Which are the missions the drone is capable of conducting?
   1. Civilian, military, search & rescue, surveillance
   2. Military, offensive, defensive, early warning
   3. Support tower, mobile, fixed site, rapide deployment
   4. High altitude, legally defined, low cost, high cost
4. Which best describes what type of system this is?
   1. Autonomous
   2. Expensive
   3. Flexible
   4. Theoretical
5. What do the systems creators plan to do in the future?
   1. Low volume production
   2. High volume manufacture
   3. Privatize the system
   4. Finalize product in one year

**Transcript**

|  |  |
| --- | --- |
| Se trata de un dron que podría permanecer en el cielo para siempre, en teoría. Está conectado a tierra a una estación móvil a través de un cable que le administra algo de energía. Mientras haya combustible en el tanque en tierra, el dron puede permanecer volando indefinidamente. El doctor Stefan Pyle dice que podría ofrecer a sus operadores civiles o militares una vigilancia continua. | It is a drone that could stay in the sky forever, in theory. It is connected to a mobile station through a cable that provides energy. While there is fuel in the tank on the ground, the drone can stay aloft indefinitely. Dr. Stefan Pyle says it could offer its civil and military operators continuous surveillance. |
| “Es básicamente un mástil virtual. Así, que uno puede imaginar reparaciones de vigilancia y misiones de rescate en mar o tierra.” | "It's basically a virtual mast. Thus, one can imagine repeated surveillance and rescue missions on land or sea. " |
| Al dron se le puede poner cameras de captación de imágenes termales para búsqueda y rescate y cameras de alta definición para vigilancia aérea. | You can put thermal imaging cameras on the drone for search and rescue and high-definition cameras for aerial surveillance. |
| Es el único vehículo aéreo sujeto legalmente aprobado para operar a alturas de hasta 130 metros. Sistemas militares similares cuestan unos $327,000 dólares mientras que este tiene un costo de sólo $92,000 dólares. | It is the only legally approved subject aerial vehicle to operate at altitudes up to 130 meters. Similar military systems cost about $327,000 while this has a cost of only $ 92,000. |
| “Uno puede engancharlo a su camioneta 4 x 4 y manejar para doquier y lanzarlo al aire en unos minutos, cambiando de localidad mientras sigue en el aire. Es un sistema muy flexible.” | "You can hook it to your 4 x 4 truck and drive everywhere and launch it within minutes, changing location while still in the air. It is a very flexible system. " |
| Los creadores buscan ahora poder comercializar el sistema y planifican una producción, a bajo volumen, para finales de este año. | The developers are now seeking to commercialize the system and plan production, at low volume, by the end of this year. |

**Vocabulary**

administrar to administer, provide

combustible fuel, gas

mástil mast

rescate rescue

termales thermal

búsqueda y rescate search & rescue

sujeto subect

engancharlo hook it

doquier everywhere

cameras de captación de imágenes termales

thermal imaging cameras