

In Europe, a robot was tested for future Martian expeditions

The European Space Agency (ESA) showed in the new video a four-legged Olympus robot, developed for work in conditions of low gravity on the moon and Mars. The robot successfully passed the ORBIT platform in the Netherlands, demonstrating stabilization, jumping and reorientation in the conditions of microgravity.

Thanks to the springiness and abilities for jumping, Olympus can overcome obstacles inaccessible to the wheeled pitch, which is extremely important when moving through the crossed terrain in the conditions of lunar and Martian gravity. The robot is also able to explore lava tubes and caves and other underground objects, which is too risky for drones.

The robot uses the machine learning method to control orientation, which allows the machine to level out and perform jumps. According to the developer Jorgen Anchor Olsen, such robots can change the methods of studying landscapes of other planets and open access to previously inaccessible places.