Celebrating 50 years of human footing on the moon, Google built a portrait of Apollo 11 astronaut software engineer from 107,000 solar panels

This day 50 years ago, July 20, 1969, Apollo 11 spacecraft brought three astronauts to orbit the moon.

This day 50 years before July 20, 1969, Apollo 11 spacecraft sent three astronauts (Neil Armstrong, Edwin Aldrin and Michael Collins) to the moon, officially completing the mission to land on the surface. NASA's moon face.

Neil Armstrong, Edwin Aldrin and Michael Collins (left to right)

To commemorate one of the most brilliant milestones in the history of mankind's conquest of space, Google has decided to build a giant portrait of Margaret Hamilton, a genius computer engineer, who heads the broadcasting group. developed an extremely complex software system of the Apollo 11 spacecraft, from thousands of solar panels and light reflected from the moon.

1. The newly discovered black hole contains anomalous characteristics, challenging most astronomical theories today

Margaret Hamilton, programming engineer responsible for Apollo 11's software system

This impressive installation art was 'constructed' right at the Ivanpah solar power plant, located in the Mojave desert, USA, using a total of 107,000 solar panels to match Margaret's face. Hamilton and the icon of the Apollo 11 spacecraft. Besides the uniqueness of the art of installation, perhaps what makes the impression of this work is its enormous size. Measuring over an area of ??3.6 square kilometers (1.4 square miles), it is even larger than New York City's famous Central Park.

1. NASA: 'Saturn's Titan moon will be our next stop'

The portrait is very large in size, stretching over a land area larger than 3.6 km2

When turned over, solar panels will reflect light, highlighting Margaret Hamilton's face, along with a simulated image of an unmanned aircraft model that has contributed to historical missions.

Talk about Margaret Hamilton's silent but important contributions in the success of the Apollo 11 mission. She is the head of the management software development team on all space expeditions. of the Apollo spacecraft (model of NASA manned spacecraft) including the above mission. If you have ever learned about embedded programming or are interested in this area, you will find that an aircraft that can operate safely will need an extremely complex software system with extreme accuracy. high. With space spacecraft like Apollo, the complexity is pushed up even more. There will not be any errors in the software system, because every technical problem, even the smallest, can make a whole team of thousands of people collapsed for years. bellows. And more importantly, the astronauts' lives will not be guaranteed.

1. Admire the design of the most award winning NASA space design competition: Harmony, full of comfort, and safety

The process of installing solar panels is extremely arduous

Thus, it can be seen that apart from professional qualification, Margaret Hamilton is also an engineer with a sense of responsibility and meticulous work. Besides the dedication at NASA, she is also a very prestigious person in the programming community with many great contributions. In particular, the most prominent is the introduction of a series of online software technical terms in the 1960s, as a way to provide a common framework for later programming techniques.

Below is a video recording some of the scenes during the installation of solar panels to create Google's 'unprecedented' artwork:

Video captures the process of creating Margaret Hamilton's portrait work from solar panels

Google launched a series of activities that responded to the Apollo 11 mission celebration

The artwork from these solar panels is not the only "gift" that Google wants to dedicate to space science lovers on the 50th anniversary of the Apollo 11 mission.

1. NASA 'Mars' helicopter model is almost ready for the journey to conquer Red Planet

New icon on Google search homepage

Beginning July 18, Google replaced a series of icons on its search page with an image of an astronaut putting his first steps on the moon. Especially if you click on this image, there will be a video depicting the entire mission Apollo 11 50 years ago in a cute cartoon style, thereby giving insight into the story behind the The tireless effort of more than 400,000 people made Apollo 11 a reality.

1. Admire 10 priceless photos taken by NASA's Spitzer telescope

Google video, celebrating the 50th anniversary of the Apollo 11 mission

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