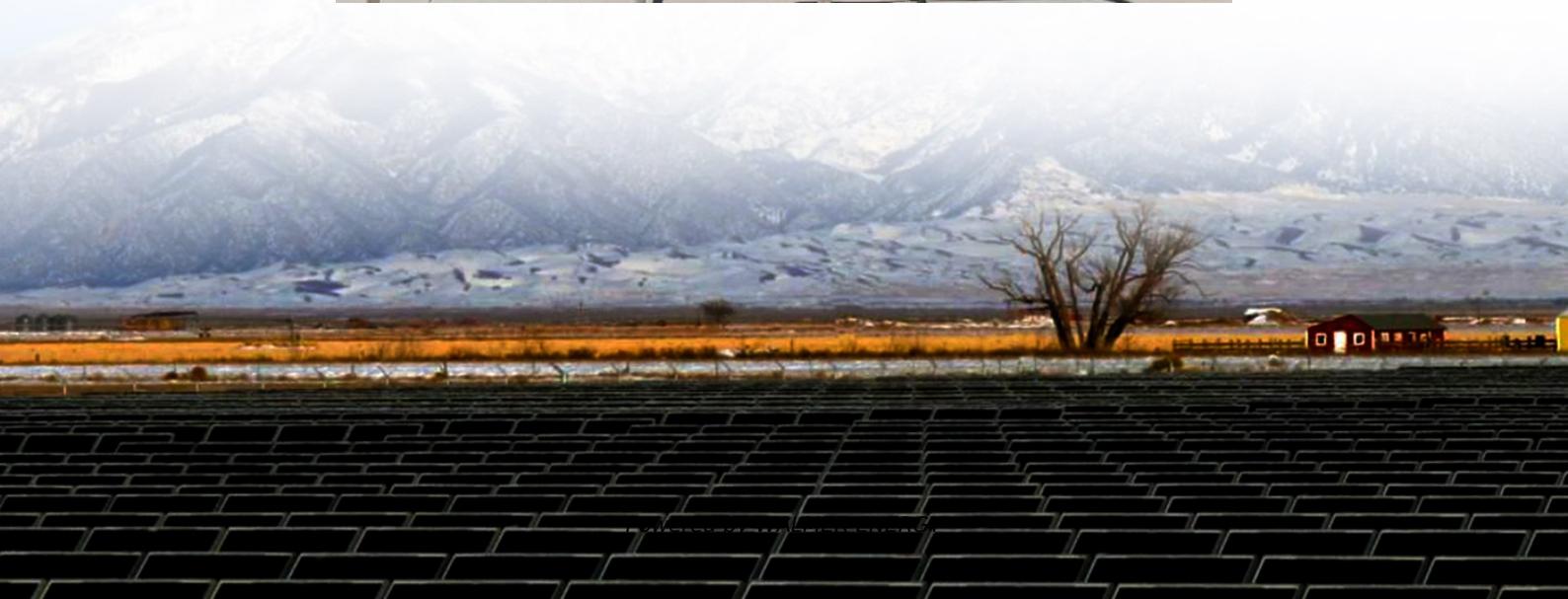




WALMER ENERGY

Nuku alofa s new solar system





Overview

Is this the first time Planet-building has been observed outside our Solar System?

"This is the first time this early stage of planet-building has ever been observed outside our own Solar System," the Planetary Society wrote in a social media post about the discovery. The discovery marks "the birth of the seeds of the planets," study co-author Edwin Bergin, a professor at the University of Michigan, told CBS News.

Are we seeing a picture of the baby Solar System?

Co-author Merel van 't Hoff, a professor at Purdue University, USA, compares their findings to "a picture of the baby Solar System", saying that "we're seeing a system that looks like what our Solar System looked like when it was just beginning to form.".

How can we study the formation of our own Solar System?

We can only study the formation of our own Solar System based on material in its existing state. Sometimes that involves finding ancient minerals that have survived intact since the system was born 4.5 billion or so years ago; sometimes it involves studying asteroids and comets that have not undergone as much change as the planets have.



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Birth of a Solar System Witnessed in Spectacular Scientific First

Jul 17, 2025 · It's a system that can tell us about the very first steps of planet formation, and may even contain clues about how our own Solar System formed. "For the first time, we have ...

Astronomers witness dawn of new solar system for 1st time

Jul 17, 2025 · Astronomers witness dawn of new solar system for 1st time Scientists were able to see the moment when planets began to form around a star.

NASA's Webb Telescope Just Witnessed the ...

Jul 22, 2025 · NASA's Webb Telescope Just Witnessed the Start of a New Solar System First-ever look at baby planets forming in a newborn solar ...

Astronomers capture birth of new solar system around a sun ...

Jul 17, 2025 · Astronomers have discovered the earliest seeds of planets forming around HOPS-315, a baby star located 1,300 light-years away.

NASA's Webb Telescope Just Witnessed the Start of a New Solar System

Jul 22, 2025 · NASA's Webb Telescope Just Witnessed the Start of a New Solar System First-ever look at baby planets forming in a newborn solar system like ours.

Astronomers witness dawn of new solar ...

Jul 17, 2025 · Astronomers witness dawn of new solar system for 1st time Scientists were able to see the moment when planets began to form ...

Astronomers witness the birth of a new solar ...

Jul 20, 2025 · For the first time in history, scientists have caught a glimpse of a brand-new solar system just as it begins to form around a distant star. ...

Astronomers spot a new solar system's birth ...

Jul 21, 2025 · It also provides astronomers with a new opportunity to study early planet formation, by standing in as a substitute for newborn solar ...

Birth of New Solar System Detected Around Distant Star

Jul 19, 2025 · Scientists observed the earliest signs of a new solar system forming around HOPS-315, revealing how planets emerge from dust and gas.

Dawn of a New Solar System: Watch Planets Begin to Form ...

Jul 19, 2025 · In a cosmic first, scientists watched planet-forming materials begin to solidify around a newborn star, offering a peek into what our Solar System may have looked like at birth.



It's a stunning replay of planetary evolution, just 1300 light-years away.

Astronomers witness the birth of a new solar system for the ...

Jul 20, 2025 · For the first time in history, scientists have caught a glimpse of a brand-new solar system just as it begins to form around a distant star. Using two powerful telescopes -- the ...

Dutch astronomers witness the birth of a brand new solar system

Jul 17, 2025 · Dutch astronomers have witnessed the birth of a solar system. It is the first time scientists have observed planets beginning to form. They reported their findings in the leading ...

Birth of New Solar System Detected Around ...

Jul 19, 2025 · Scientists observed the earliest signs of a new solar system forming around HOPS-315, revealing how planets emerge from dust and ...

Dawn of a New Solar System: Watch Planets Begin to Form ...

Jul 19, 2025 · In a cosmic first, scientists watched planet-forming materials begin to solidify around a newborn star, offering a peek into what our Solar System may have looked like at birth. It's a ...

For the first time, astronomers witness the dawn of a new solar system

Jul 17, 2025 · As van 't Hoff says, " this system is one of the best that we know to actually probe some of the processes that happened in our Solar System." It also provides astronomers with ...

Astronomers spot a new solar system's birth for the first time

Jul 21, 2025 · It also provides astronomers with a new opportunity to study early planet formation, by standing in as a substitute for newborn solar systems across the galaxy.

Birth of a Solar System Witnessed in ...

Jul 17, 2025 · It's a system that can tell us about the very first steps of planet formation, and may even contain clues about how our own Solar System ...

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