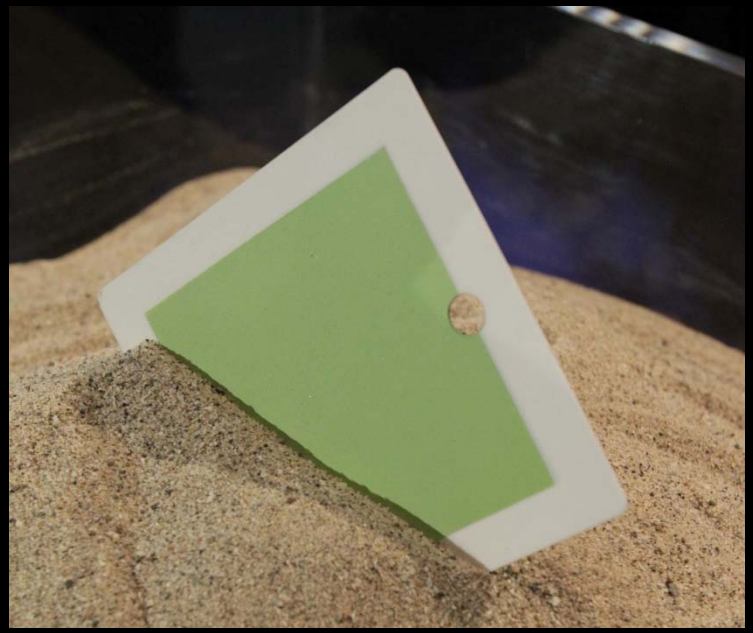
# Energy Servers Deliver Clean, Affordable Power

***Ames Research Center***

***Bloom Energy***
***Sunnyvale, California***



## Originating Technology/NASA Contribution

- NASA continually explores innovative ways of overcoming the challenges presented by the extreme demands of the space environment
- A manned mission to Mars would require sustainable methods of generating necessities like fuel and oxygen

## Partnership

- K.R. Sridhar of the University of Arizona's Space Technologies Laboratory developed for NASA a fuel cell device that could split Martian water into oxygen for breathing and hydrogen for fuel
- Sridhar founded Bloom Energy to develop the technology in reverse—creating clean electricity from oxygen and fuel

## Product Outcome

- An Energy Server with a footprint of a parking space can produce power for 100 U.S. homes
- The technology produces energy 67-percent cleaner than typical coal power with fossil fuels and 100-percent cleaner with renewables
- Energy Servers now provide power to multiple Fortune 500 companies