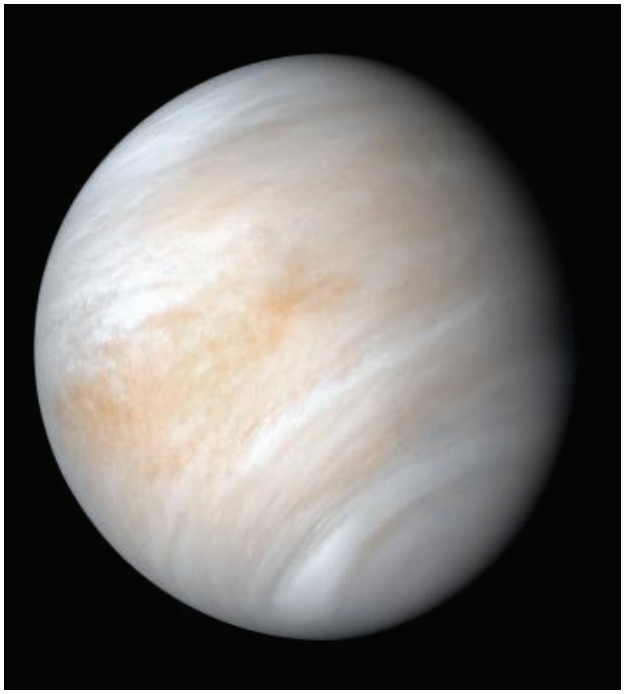
FEDERAL RESEARCH FUNDING DRIVES MATERIALS SUCCESS

Microelectronics Packaging



InnoSys, Inc. worked with the **National Aeronautics and Space Administration** to develop a camera that can withstand extreme temperatures and pressure to be mounted on the Venus rover. This work involves microelectronics packaging that includes devices that convert the optical images to electronic signals and then to data that is stored in electronic memory to be sent to earth. It also includes materials to protect electronic devices in harsh conditions. The company received funding from the **Department of Defense** and the **Department of Energy.**

Source: Utah Innovation Center

▶ Microelectronics Packaging

Venus, clouded in intense heat and crushing atmospheric pressure. Exploration devices require advanced materials that can withstand these conditions.
Credit: NASA/JPL-Caltech

Federal Funding

The **CHIPS and Science Act of 2022** provided $52.7 billion for US semiconductor research, development, manufacturing, and workforce development, with a 5-year authorization of $169.9 billion.

Source: US Congress

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