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For additional information, contact:

info@morningbirdmedia.com

NEWS RELEASE

NASA Contracts With Morningbird for 3D Printing of Chemical Sensors

Huntsville, Alabama, USA, October 9, 2017 — The National Aeronautics and Space Administration has contracted with Morningbird Media Corporation to develop 3D printing of chemical sensors.

Morningbird is the creator of the Electronic Alchemy eForge. This innovative 3D printing system is the first commercially available device to produce functional 3D electronics. Under the contract issued September 28, 2017, Morningbird will use its 3D printer to advance existing NASA technology.

Researchers at NASA's Goddard Space Flight Center have developed a highly sensitive, low-power graphene-based sensor that detects corrosive gases that can cause orbiting spacecraft to lose altitude prematurely and plunge to Earth. Morningbird's eForge will enable on-demand 3D printing of these sensors during planetary space missions.

"This project signifies an important step in the growth of the relationship between Morningbird and NASA," said Morningbird President Dr. Chance M. Glenn, Sr. "The ability to 3D print complete sensors is revolutionary in itself, yet there is so much more we plan to do. Stay tuned."

The award is a Phase III small business innovation research contract issued in response to Morningbird's proposal entitled, "Development of a 3D Printable Chemical Sensor Layer Based on Graphene and Other Nanomaterials." In 2016, NASA awarded Morningbird a small business technology transfer contract to support the development and commercialization of the Electronic Alchemy eForge.

The eForge will be available soon for countless commercial and research applications.

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