

# SOUTHERN RESEARCH

<https://www.southernresearch.org>



## CORE COMPETENCY

Founded in 1941, Southern Research (SR) is an independent, nonprofit, scientific research organization with more than 400 engineers and scientists working across four divisions: Engineering, Energy & Environment, Drug Discovery, and Drug Development. SR supports the defense, aerospace, environmental, energy, pharmaceutical, and biotechnology industries as we work on behalf of the U.S. Department of Defense, the U.S. Department of Energy, NASA, National Cancer Institute, National Institutes of Health, the major aerospace firms, utility companies, and other private and government organizations. We pursue entrepreneurial and collaborative initiatives to develop and maintain a pipeline of intellectual property and innovative technologies that positively impact real-world problems.

## KEY POINTS OF CONTACT

### Dr. Mark Patterson

Director of Business Development, Engineering

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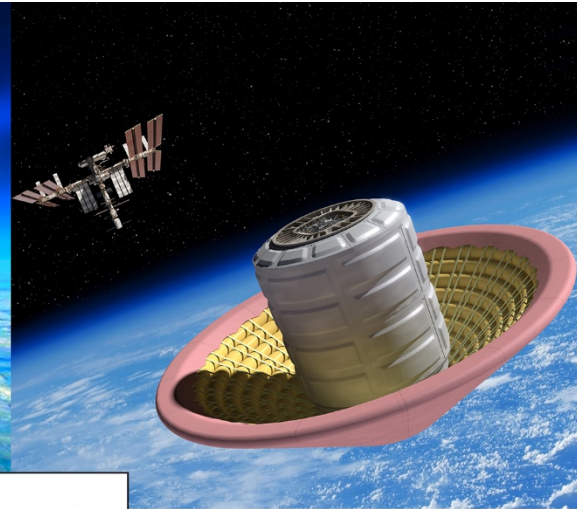
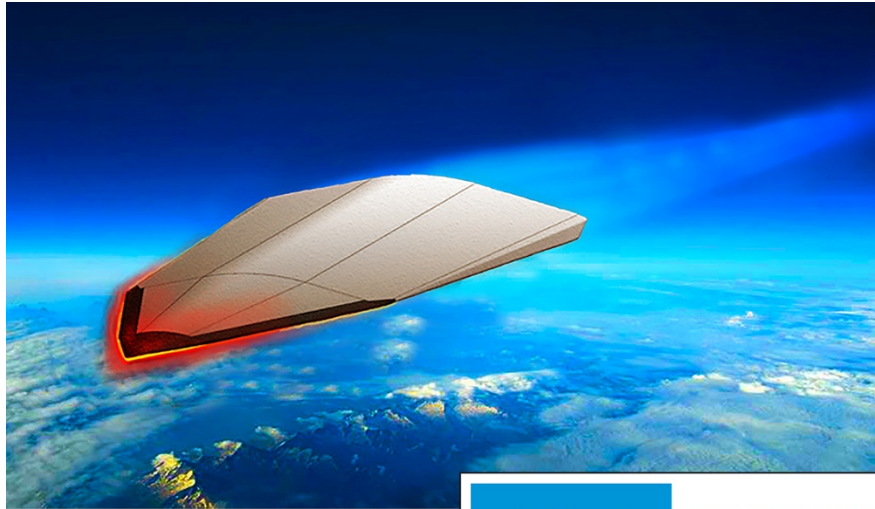
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## KEY PROJECTS OR PRODUCTS

- Testing in Extreme Environments
- Hypersonic Structures Testing and Evaluation
- Space Structures Characterization
- Non-Destructive Evaluation of Materials
- Chemistry and Physics of Materials
- Characterization of Additive Manufactured Metals
- Mechanical Testing of Materials Structures and Components
- Microstructural Damage Accumulation and Life/Performance Modeling
- CFD Modeling in Support of Hypersonic Analysis
- Process Optimization Modeling
- Electrical, EO/IR & Mechanical Systems

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Experts in the characterization, modeling, and analysis of advanced materials and systems in extreme environments

