

2023 Geothermal Energy Machinery and Systems (GEMS) Workshop

29 November 2023

Adam L. Hamilton, P.E.
President & CEO



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

WELCOME TO SAN ANTONIO!



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

San Antonio

- Seventh largest city in the United States
- Most visited city in Texas
- Home of **Fiesta**, a 10-day celebration occurring (almost) every April (since 1891)
- UNESCO World Heritage Site: San Antonio Missions
- Known as “Military City, USA” and the “Home of Military Medicine”
- Home of America’s first five air-conditioned buildings
- Home of the first All Digital Library, and
- Home of Southwest Research Institute!



The Alamo

Welcome to SwRI!



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

Southwest Research Institute

One of the largest (by revenue),
broadest (by technologies), and
deepest (by expertise)
independent nonprofit applied
research & development
organizations in the United States

From Deep Sea to Deep Space®...



Alvin Pressure Hull



Pluto from New Horizons Spacecraft



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

...And (Practically) Everywhere Between



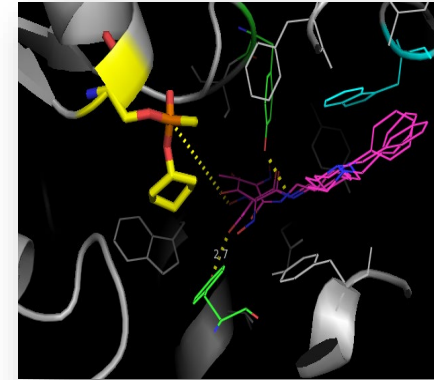
Alvin Pressure Hull



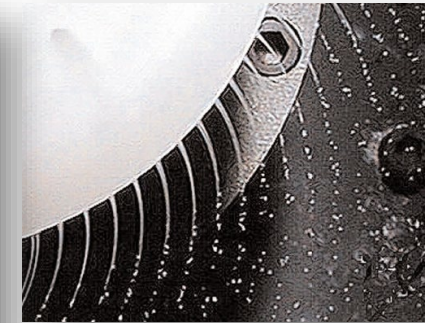
Water & Geological Engineering



Carbon Capture



In Silico Drug Screening



Micro- and Nano-Encapsulation



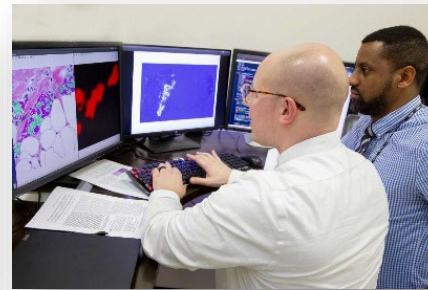
Pharmaceuticals for Clinical Trials



O&G Engineering



Engine Design & Hybridization



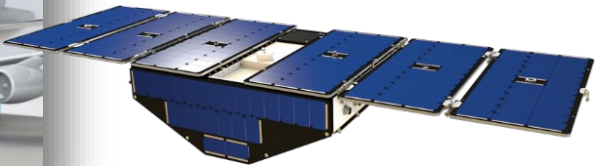
Artificial Intelligence & Machine Learning



Fuels & Lubricants



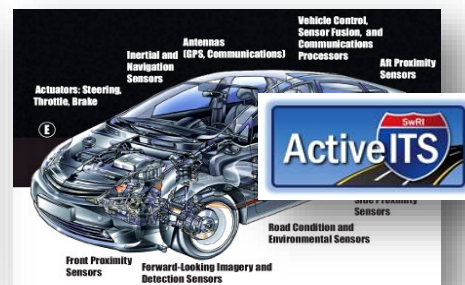
Robotics



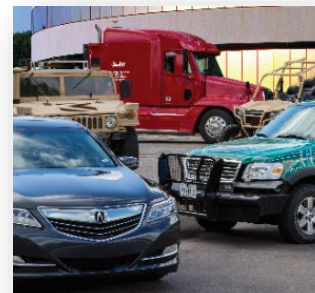
Spacecraft & Satellites



Clean Energy Research



Infrastructure Communications



Autonomous Vehicles



Space Science & Instrumentation



Solar System Science & Exploration



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

Contemporary Mission Statement



Advancing science and applying
technology to solve
humankind's most difficult
technical challenges from
Deep Sea to Deep Space[®]
and practically everywhere in
between.



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

Quick Facts

- 501(c)(3) nonprofit tax-exempt status
 - Not-for-profit
 - Not-for-loss
- Revenue from contracts and grants
 - No “endowment” fund
- More than
 - 240+ buildings on >1,500 acres
 - 2.4 million ft² of laboratories & offices
- Created more consortia than any other organization in the United States
- Corporate supporter:
 - United Way
 - Chamber of Commerce



Natural Beauty on the SwRI Campus

The Numbers

76: Years of independent R&D

\$844M: FY23 Consolidated Revenue

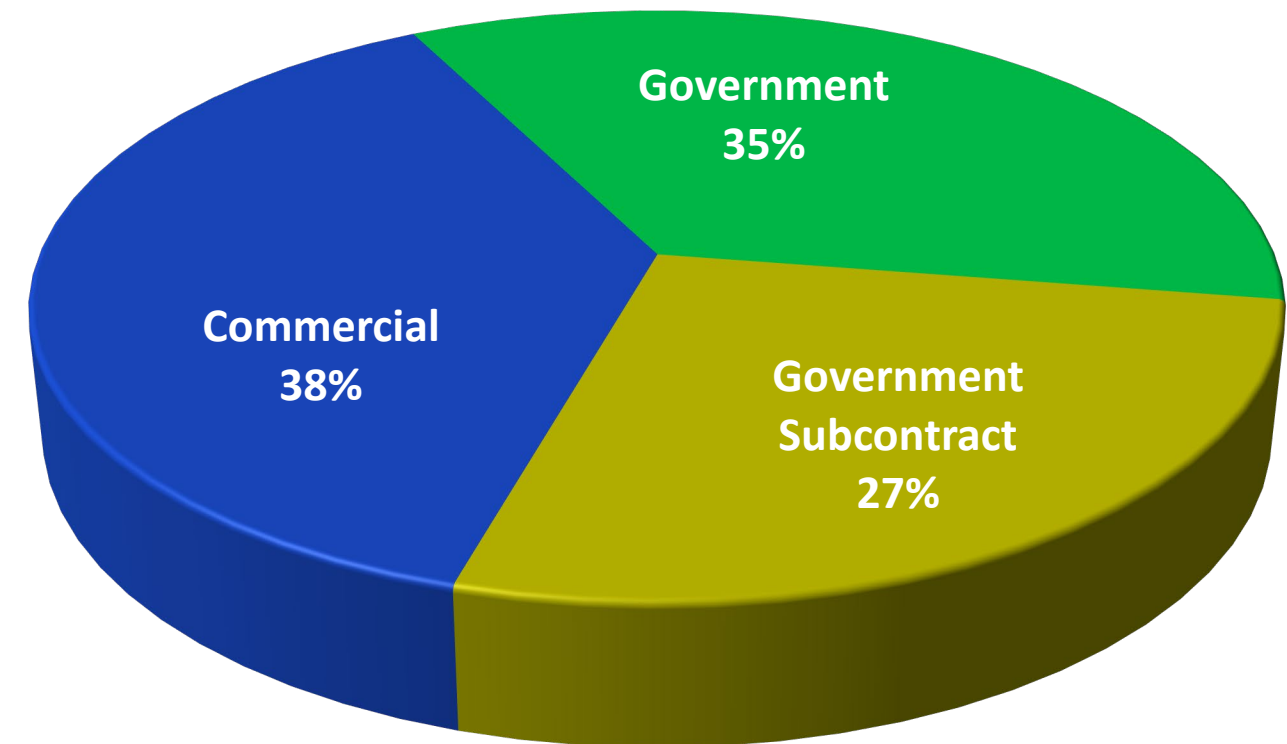
~\$1B: Contract Backlog

~3,150: Staff Members

52: R&D 100 Awards

~100: New Internal R&D Projects Funded in FY23

3: Number of Years Named Forbes 500 Best Midsized Employers



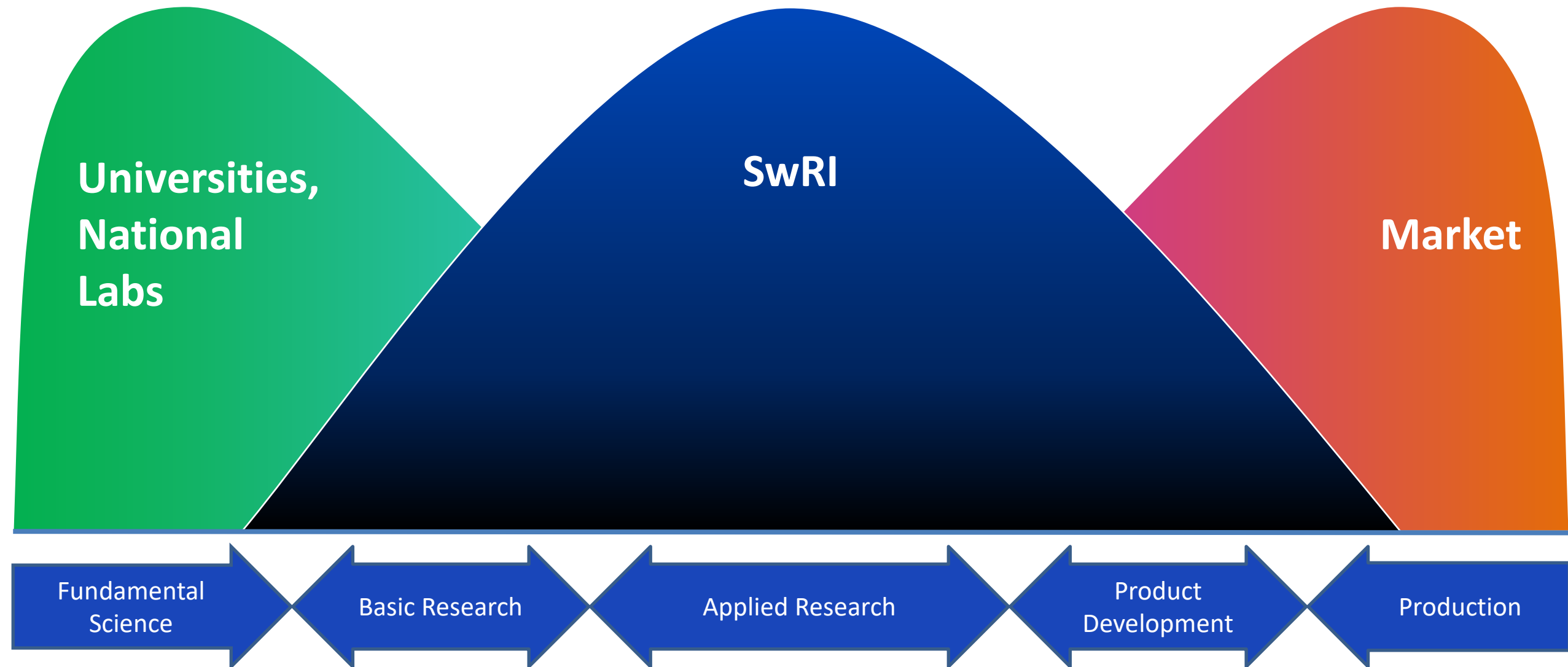
62% "Government"
38% Commercial

Approximate Revenue Source Distribution



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

SwRI in the Technology Spectrum



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

Markets



AUTOMOTIVE &
TRANSPORTATION



BIOMEDICAL &
HEALTH



CHEMISTRY &
MATERIALS



COMPUTERS &
ELECTRONICS



DEFENSE &
SECURITY



EARTH & SPACE



ENERGY &
ENVIRONMENT



MANUFACTURING
& CONSTRUCTION



ADVANCED SCIENCE. APPLIED TECHNOLOGY.



Thank You!



ADVANCED SCIENCE. APPLIED TECHNOLOGY.