

Welcome!

**2nd Industrial Process Emissions Reduction
(IPER) Workshop**

SOUTHWEST RESEARCH INSTITUTE®

1 March 2023



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



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...And (Practically) Everywhere Between



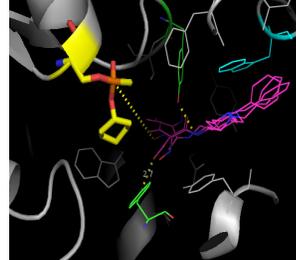
Alvin Pressure Hull



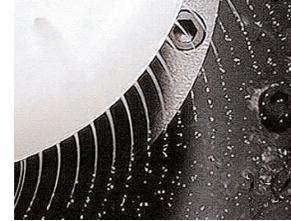
Water & Geological Engineering



Fire Tech



In Silico Drug Screening



Micro- and Nano-Encapsulation



Pharmaceuticals for Clinical Trials



O&G Engineering



Engine Design & Hybridization



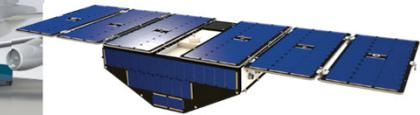
Artificial Intelligence & Machine Learning



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.



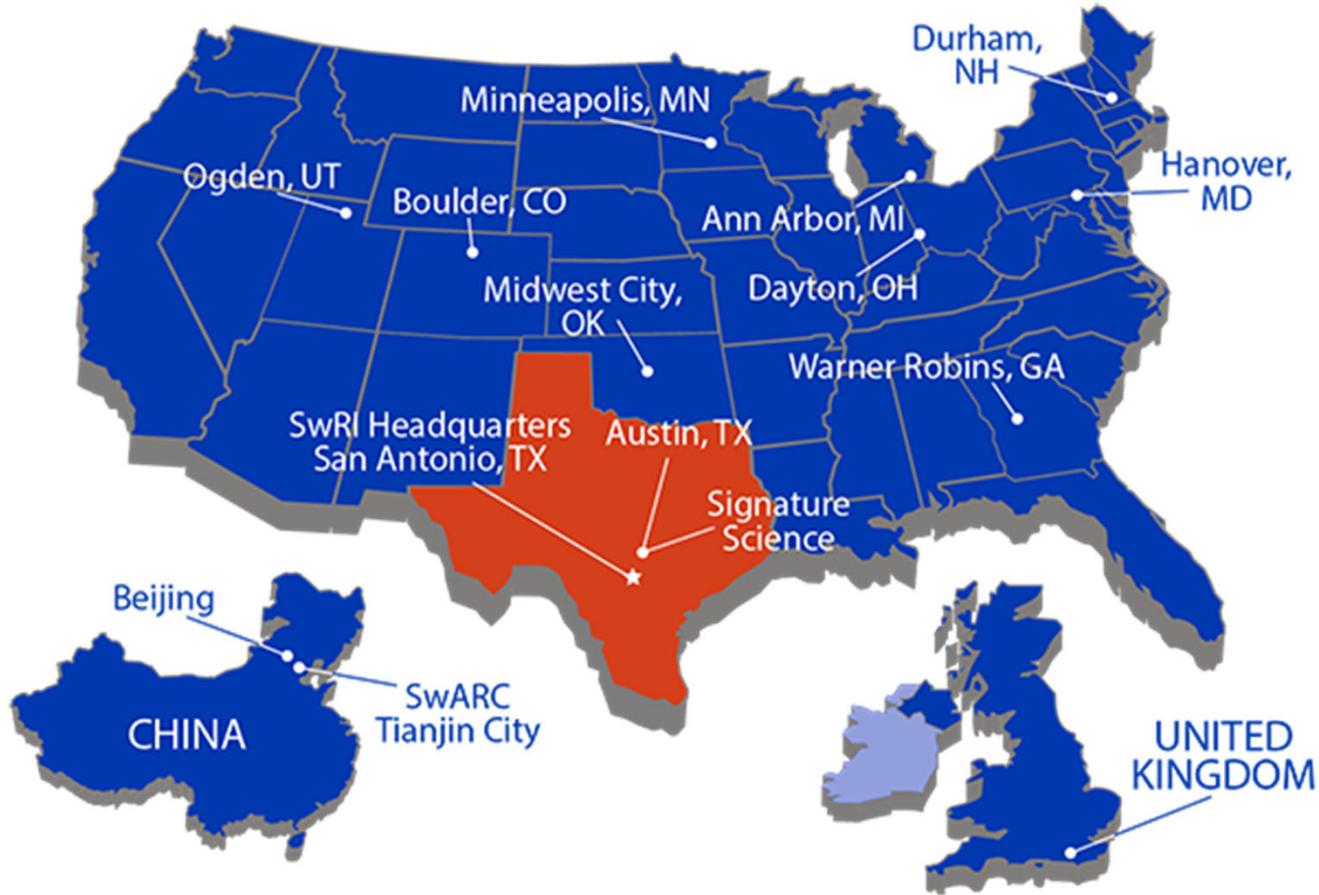
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SwRI Main Campus Today



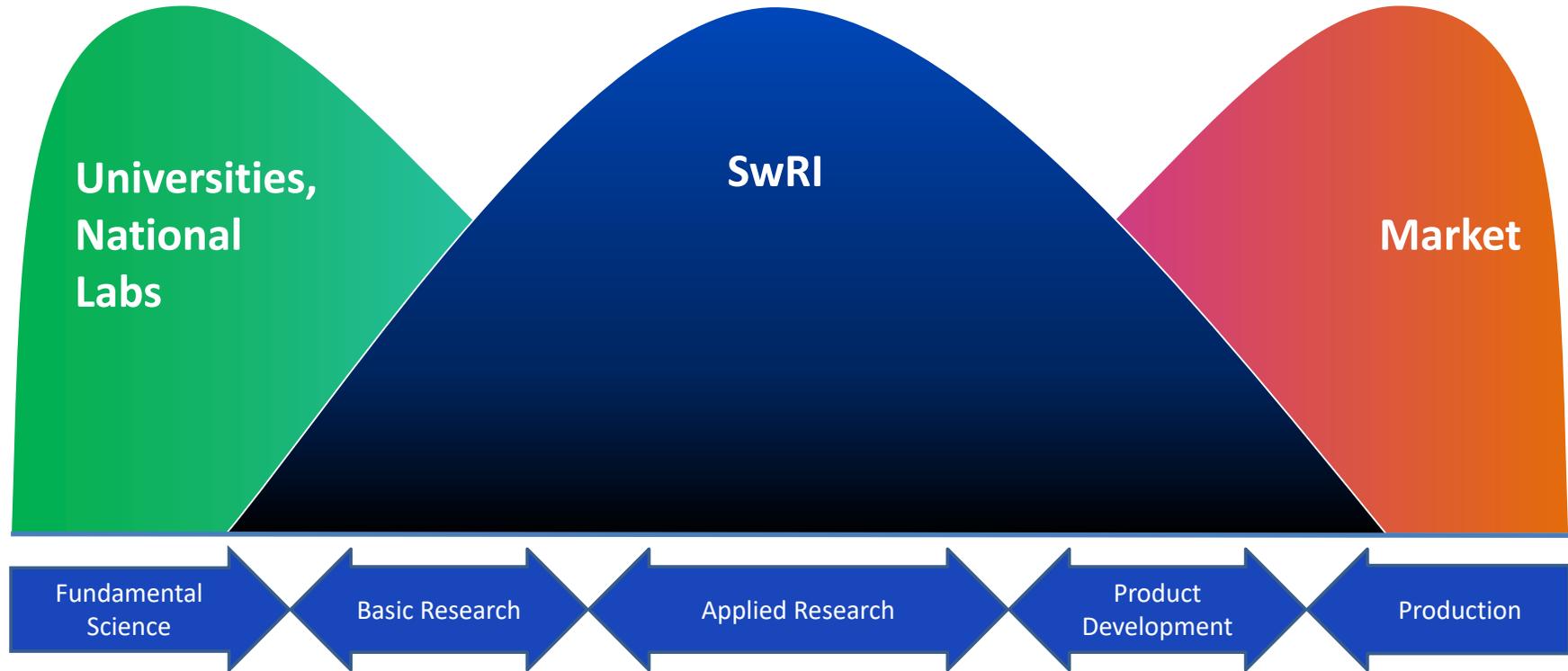
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SwRI Additional Locations



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

SwRI in the Technology Spectrum



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Markets



AUTOMOTIVE &
TRANSPORTATION



BIOMEDICAL &
HEALTH



CHEMISTRY &
MATERIALS



COMPUTERS &
ELECTRONICS



DEFENSE &
SECURITY



EARTH & SPACE



ENERGY &
ENVIRONMENT



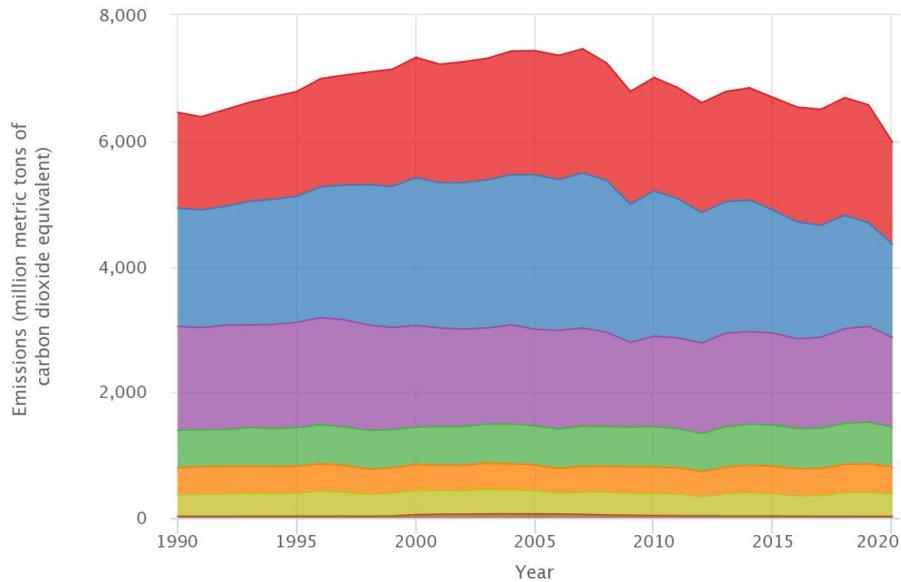
MANUFACTURING
& CONSTRUCTION



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Thank You!

U.S. Greenhouse Gas Emissions by Economic Sector, 1990-2020



- Transportation
- Electric power industry
- Industry
- Agriculture
- Commercial
- Residential
- U.S. territories

Source: U.S. EPA's Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2020.
<https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks>



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