A SOUND INVESTMENT FOR IDAHO

With IGEM support, Boise State University will:

• **ATTRACT STAR RESEARCHERS** to come to Boise State and launch research programs in strategic areas that have strong potential for commercialization, and that align with the interests of companies in the Treasure Valley.

• **RETAIN TALENTED FACULTY** who will want to stay in Idaho to collaborate with world-class innovators in the region and grow their research programs.

• **BETTER PREPARE THE NEXT GENERATION** of students to excel at high-paying and challenging jobs in Idaho’s knowledge economy.

• **ENCOURAGE MORE OF IDAHO’S TOP STUDENTS** to enroll at Boise State and start their careers here, a talent pool that will drive future innovations in our state.

• **INCREASE OUR COMPETITIVENESS FOR PROCURING FEDERAL RESEARCH GRANTS**, new money to Idaho that supports researchers and students, the acquisition of instrumentation, and the study of complex research topics that can lead to new inventions.

• **CREATE INTELLECTUAL PROPERTY** that can be developed, manufactured, marketed, sold and distributed by new start-ups or established businesses, expanding Idaho’s tax base.

• **ESTABLISH A TECHNOLOGY CLUSTER** as an expanding pool of expertise attracts new businesses, new start-ups and new public-private partnerships to locate in the Treasure Valley.

• **ENHANCE THE COMPETITIVENESS** of our industry partners in the Treasure Valley and the state through the sharing of expertise and ideas and through new collaborations.

• **STRENGTHEN IDAHO’S ECONOMY** as new high-paying jobs in the technology sector are created as the result of the commercialization of Boise State’s intellectual property.
READY FOR THE IGEM CHALLENGE

Boise State is a university on the move, with the core faculty, research programs and facilities in place to effectively leverage an IGEM investment to grow Idaho’s economy.


• CRITICAL PLAYER IN STATEWIDE INITIATIVES like the Center for Advanced Energy Studies. Three CAES initiatives – Advanced Materials, the Energy Policy Institute and the Energy Efficiency Institute – are led by Boise State faculty.

• TALENTED FACULTY
  - Dr. Dale Russell, the inventor on patents for portable sensors to detect contaminants like arsenic, mercury, plutonium and uranium.
  - Dr. Henry Charlier, the inventor on patents that could improve chemotherapy treatments for cancer patients.
  - Dr. Peter Müllner, the inventor on patents involving magnetic shape memory alloys that change shape in the presence of a magnetic field.

• CUTTING-EDGE RESEARCH, including a $1 million grant from the W.M. Keck Foundation to develop an inexpensive and portable system that uses a simple blood test to provide early-stage diagnosis for cancer and other diseases.

• A CULTURE OF ENTREPRENEURIALISM
  - Jon Daley, who used research conducted for his MBA to launch a start-up software company in Boise, Consensio Works, LLC, is one of many examples.

• LABORATORIES AND INSTRUMENTATION THAT SUPPORT RESEARCH AND PUBLIC-PRIVATE COLLABORATION such as the Boise State Center for Materials Characterization, the CAES Microscopy and Characterization Suite, the Idaho Microfabrication Lab, the W.M. Keck nanoEngineering Lab and facilities in the new Environmental Research Building, including the Isotope Geology Lab and the Physical Acoustics Lab.