A Culture of Entrepreneurship and Innovation Arizona State University

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#1 in the U.S. for innovation

2016 U.S. News & World Report

#1 ASU

#2 Stanford

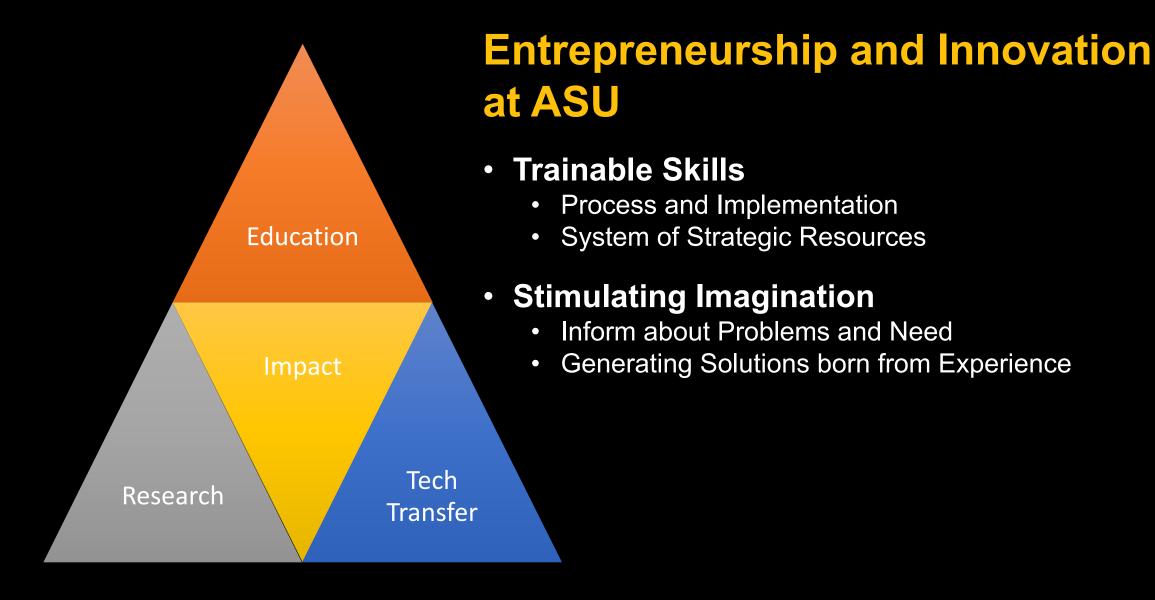
#3 MIT

The New American University

ASU Charter

ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural, and overall health of the communities it serves.

Creating an Environment that Encourages and Enables



ASU's Tech Transfer Organization

ASU Inside

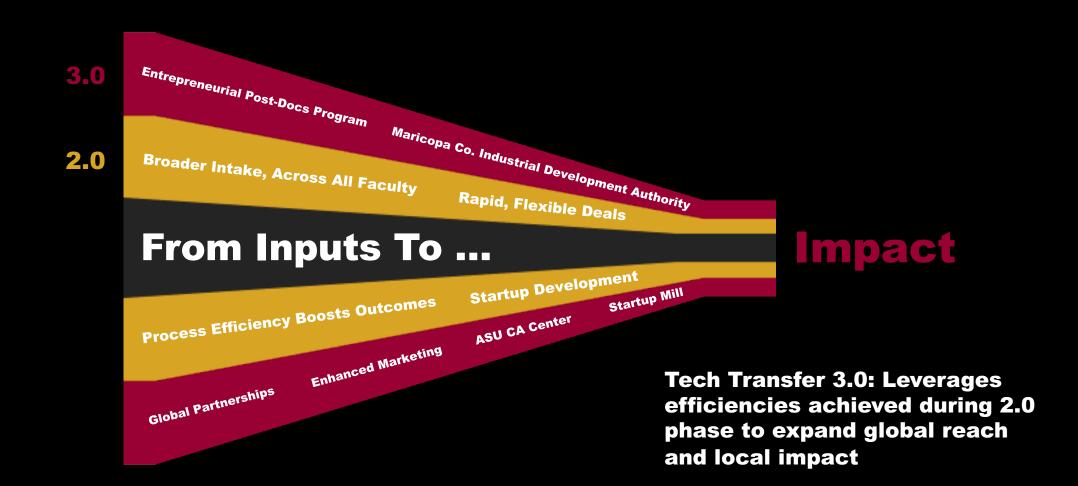




Work with all of ASU

- Arizona Technology Enterprises (AzTE)
 - Exclusive intellectual property management and technology transfer organization
- Strategic investments, partnerships and leadership
- Efficient and Effective Business Model
 - Deal-based decision making
 - Less focus on upfront payments
 - Speed preferred over "maximizing" dollar value
 - Deal Flow over predicting winners

Tech Transfer Growth Model



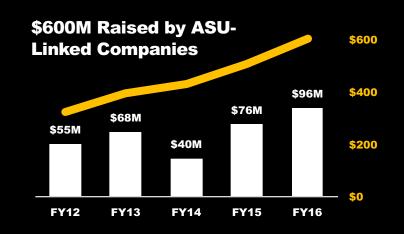
AzTE / ASU Venture Summary



Almost 100 companies launched based on ASU innovations.

Raised \$600+ million in external funding, including an ASU-record \$96 million in FY16.

More than 500 people now employed at ASU-linked startups.



Significant 2016 Investments

HealthTell – First diagnostic platform that can assess real-time immune system response to specific diseases.

NextPotential – Waste-to-fuel clean energy company based on technology developed at ASU.

Smartiply – Mobile technology company building the first Fog Computing Platform to merge IoT and Fog Networks and enable resource sharing among users.

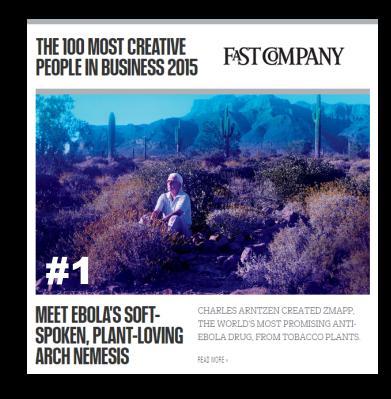
Zero Mass Water – Solar-powered systems that produce potable water for households.

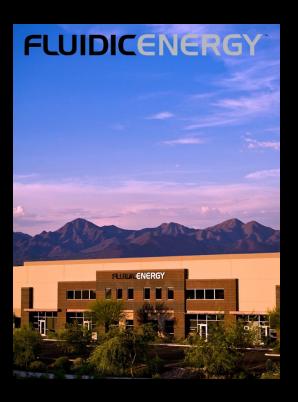






What We Mean By Impact

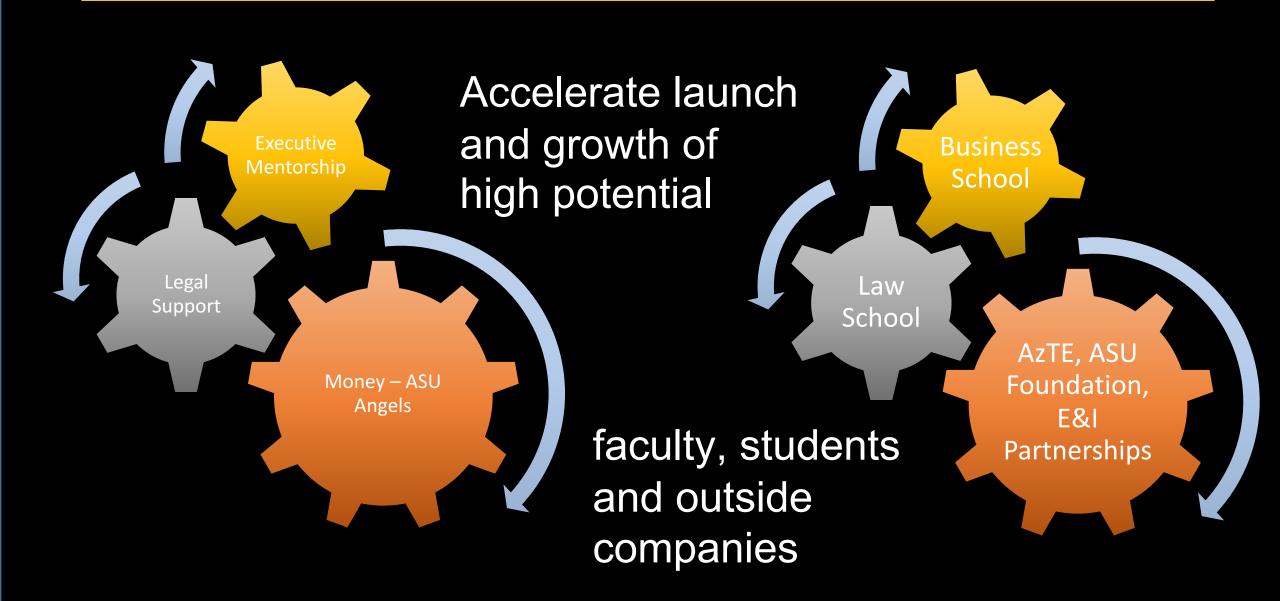




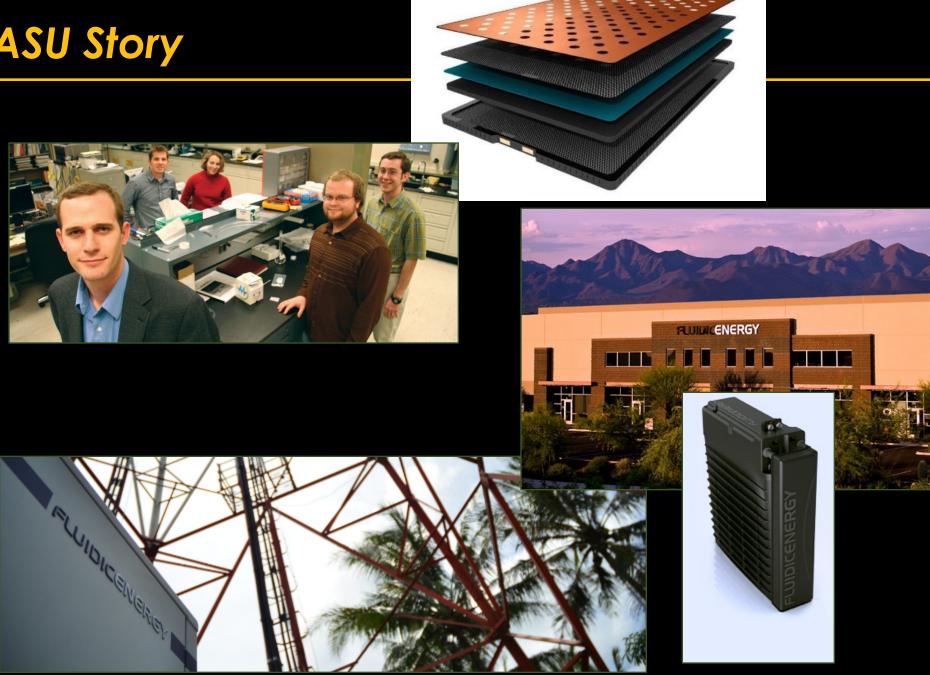


Technology transfer is a critical mechanism for achieving societal impact by disseminating the knowledge that faculty, researchers and students produce.

ASU Startup Mill



An ASU Story



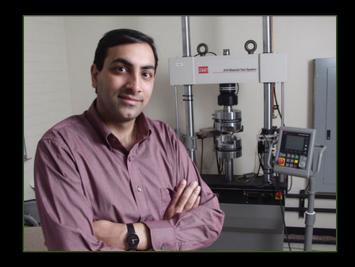
An ASU Story







Development of Fluidic Energy's zinc-air battery technology was enabled ASU's expertise, tools and ASU's Entrepreneurship Training Programs

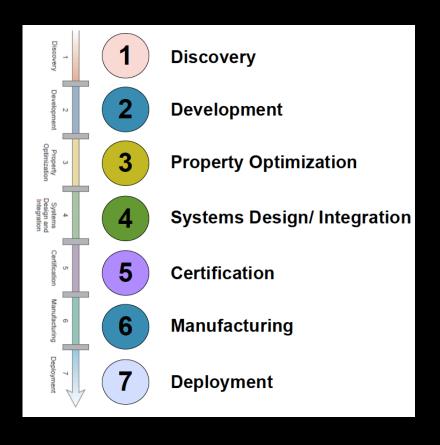




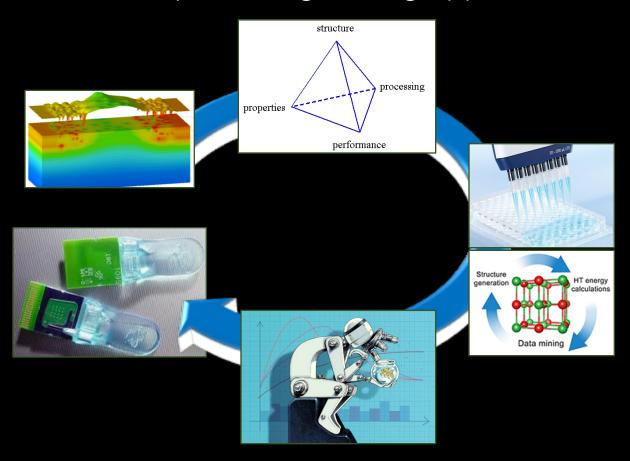


Next Steps: Re-engineer and improve the process of materials engineering

From Edisonian standard



To a Systems Engineering Approach

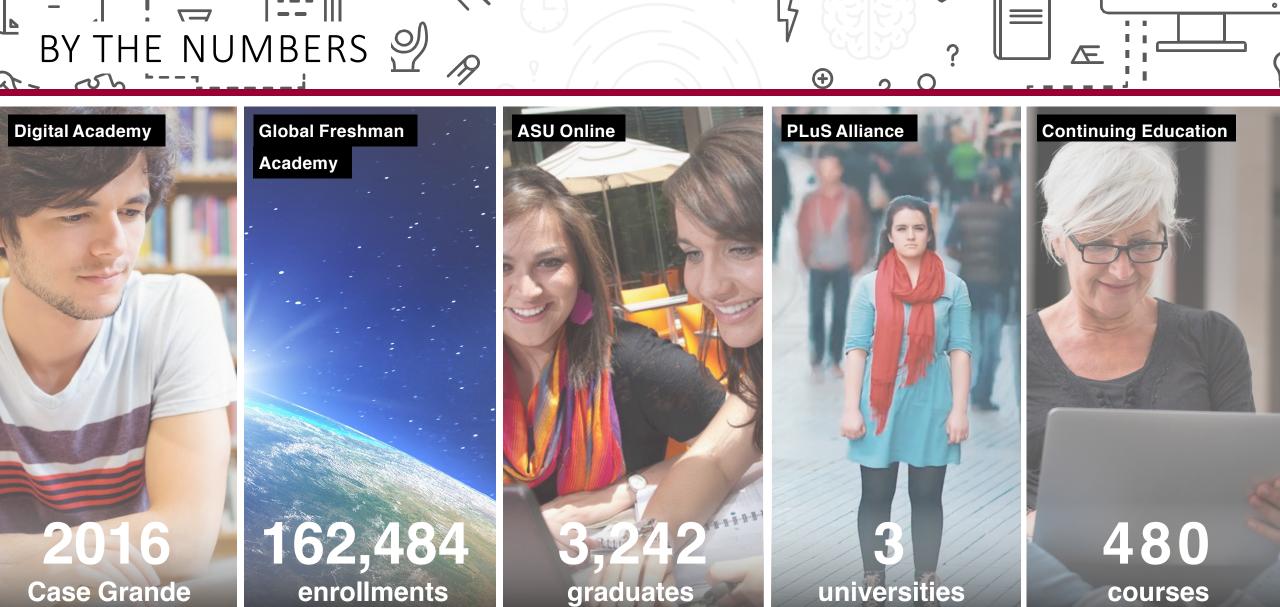


EdPlus Impact An ASU Innovation in Higher Education



- Addressing urgent needs in higher education
- Reinventing learning models
- Training future generations of master learners





graduates

courses

launch

STARBUCKS COLLEGE ACHIEVEMENT PLAN





Number of first bachelor's degrees earned



Number of students enrolled in Organization Leadership, a 3-credit custom Starbucks elective course



Retention rate



Number of Awards for Innovation SCAP has received from President Crow (Spring 2016)



Growth from Spring B 2015 to Spring B 2016



Number of cumulative enrolled partners

Conclusions

- Entrepreneurship and Innovation Can be Learned
- Creating Support Network and Resources is Critical
- Flexibility and Innovation of Process is Valuable
- Explicit attention to Creating a Culture of Innovation is Essential

