

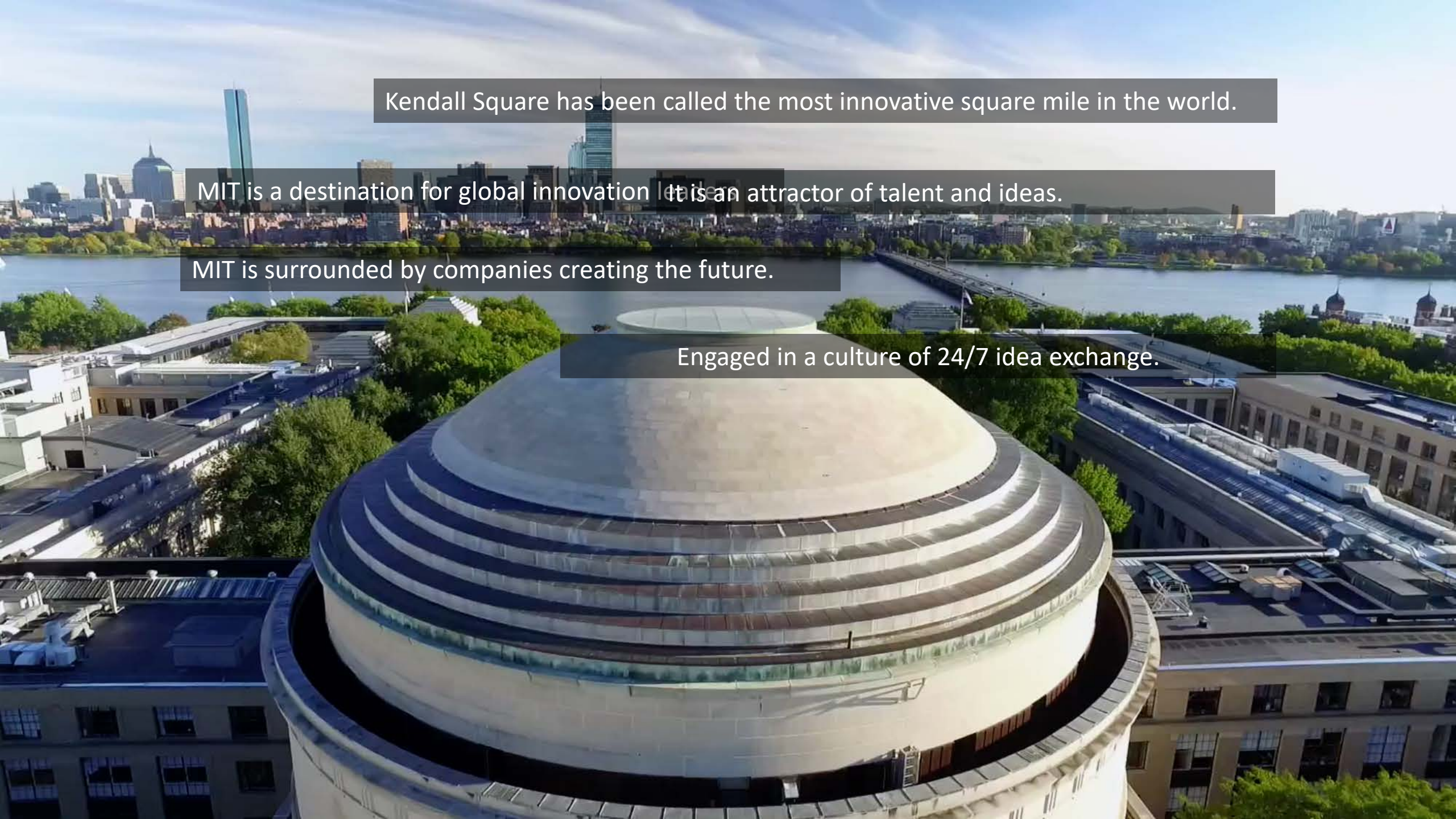


Corporate  
Relations

# MIT's Innovation Ecosystem

Karl Koster  
Executive Director  
MIT Corporate Relations

December 2018

An aerial photograph of the MIT campus. In the foreground, a large, white, circular building with a tiered, domed roof is the central focus. To its left and right are other multi-story buildings with flat roofs and windows. In the background, the Charles River flows through the city, with a bridge crossing it. The skyline of a city, including several tall skyscrapers, is visible under a clear blue sky with light clouds.

Kendall Square has been called the most innovative square mile in the world.

MIT is a destination for global innovation. It is an attractor of talent and ideas.

MIT is surrounded by companies creating the future.

Engaged in a culture of 24/7 idea exchange.



Lilly

SANOFI

Shire

MIT  
INDUSTRIAL  
LIAISON  
PROGRAM

a

Microsoft

MT  
MANAGEMENT  
SLOAN SCHOOL

facebook

Apple

Google

Biogen

Akamai

BROAD  
INSTITUTE

MIT BE  
BIOLOGICAL ENGINEERING

mit  
media  
lab

AMGEN

NOVARTIS

WHITEHEAD INSTITUTE

KOCH INSTITUTE  
for Integrative Cancer Research at MIT

MIT DEPARTMENT OF  
BIOLOGY

ChemE

## Massachusetts is most innovative state in the U.S.\*

- High concentration of universities
  - 52 colleges and universities
  - 250,000 students
- World-class hospitals
  - Mecca of medicine
  - 20+ hospitals (MGH, BWH, Boston Children's)
- Robust VC funding
- State/local government leadership

Bloomberg State Innovation Index



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**MIT discovery is  
focused on  
practical impact,  
commercial value.**



Interdisciplinary research enhances problem-solving.



Entrepreneurial ecosystem spurs innovation.



Patenting/licensing speeds commercialization.



MIT ranks first in industry R&D expenditures.



**Corporate Relations**

MIT discovery is focused on practical impact, commercial value



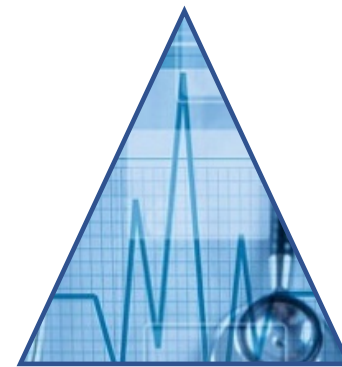
MIT Energy Initiative



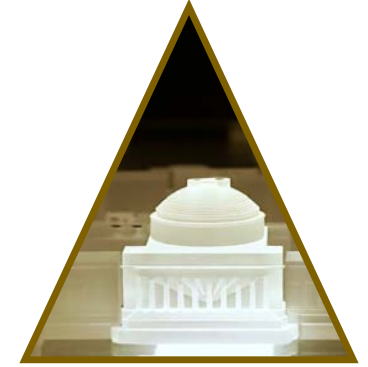
Digital World/  
Digital Learning  
Digital Health



Global Environment/  
Sustainability



Quest for  
Intelligence



Innovation  
Initiative

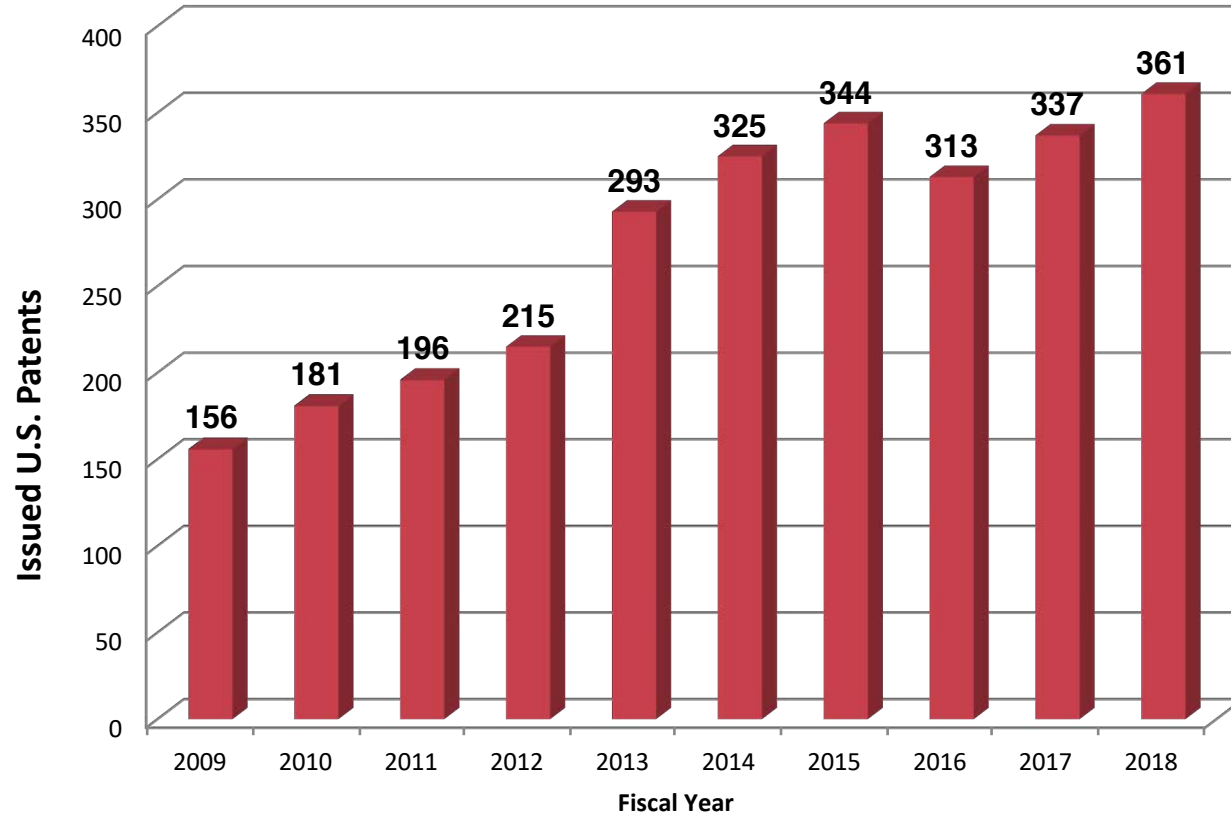


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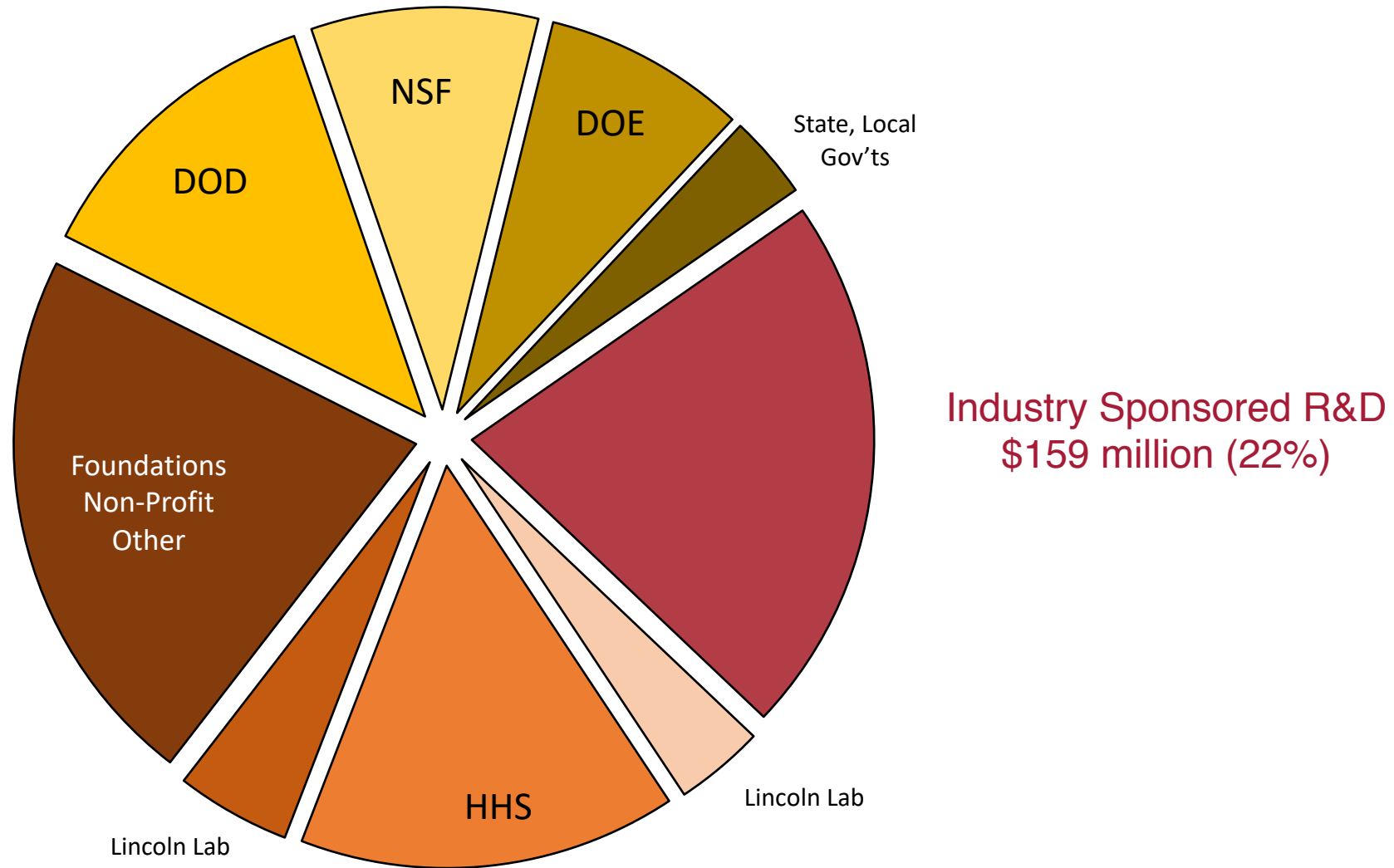
# MIT filed more patents than any other single university

## Each Year:

- 59 to 102 licenses
- 18 to 45 options
- 16 to 26 companies started on MIT IP
- Additional companies launch from other MIT activities

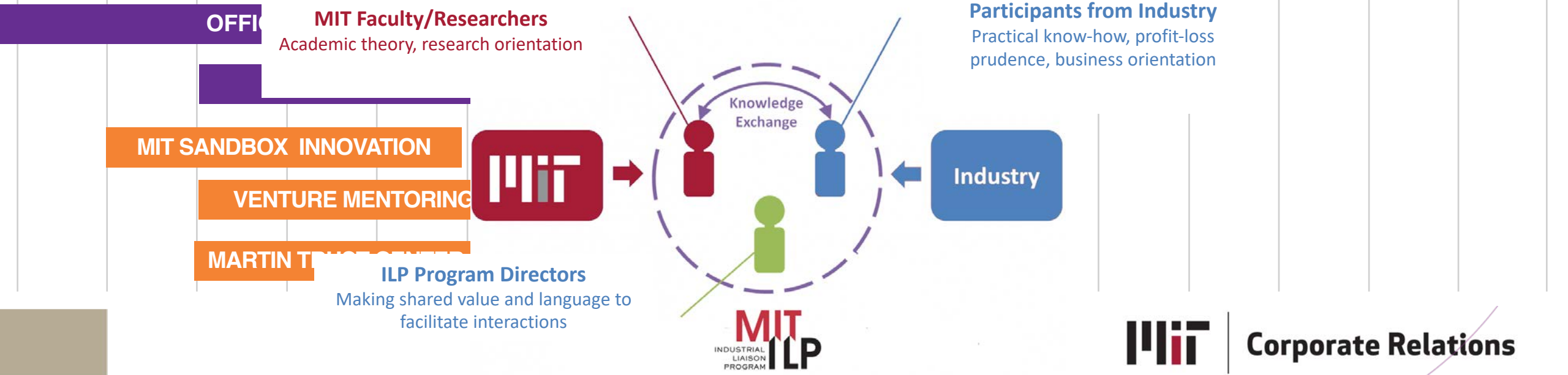
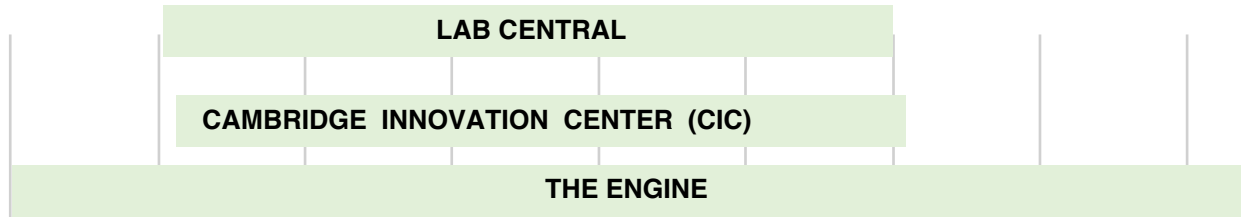
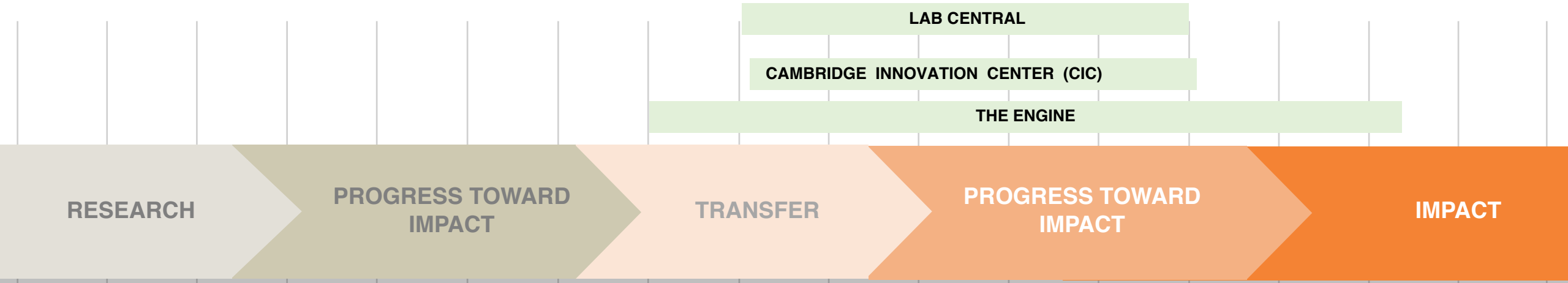


# MIT R&D totaled \$733 million in FY2018





# Accelerating Commercialization



**Corporate Relations**



**MIT's Industrial  
Liaison Program is  
industry's chief  
gateway and guide  
to MIT.**



Build/manage productive partnerships at MIT



Programs customized to member needs



260 of world's leading companies are ILP members







26% ILP members sponsor MIT research, accounting for 49% of all corporate research funding



**Corporate Relations**

A photograph of the MIT dome building, a large circular structure with a white facade and a prominent dome. The building is surrounded by green trees and a blue body of water in the foreground. A red semi-transparent box is overlaid on the right side of the image, containing white text.

**Executive Briefings  
provide a focused  
forum for company  
decision makers and  
key MIT faculty.**

-  Contribute to strategic planning, new business development
-  Examine emerging/disruptive research and technology
-  Learn of new management approaches to corporate issues
-  Engage with your key business clients at MIT



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MIT Startup Exchange enables innovation through matchmaking.

260+

ILP Members  
“Global1000”

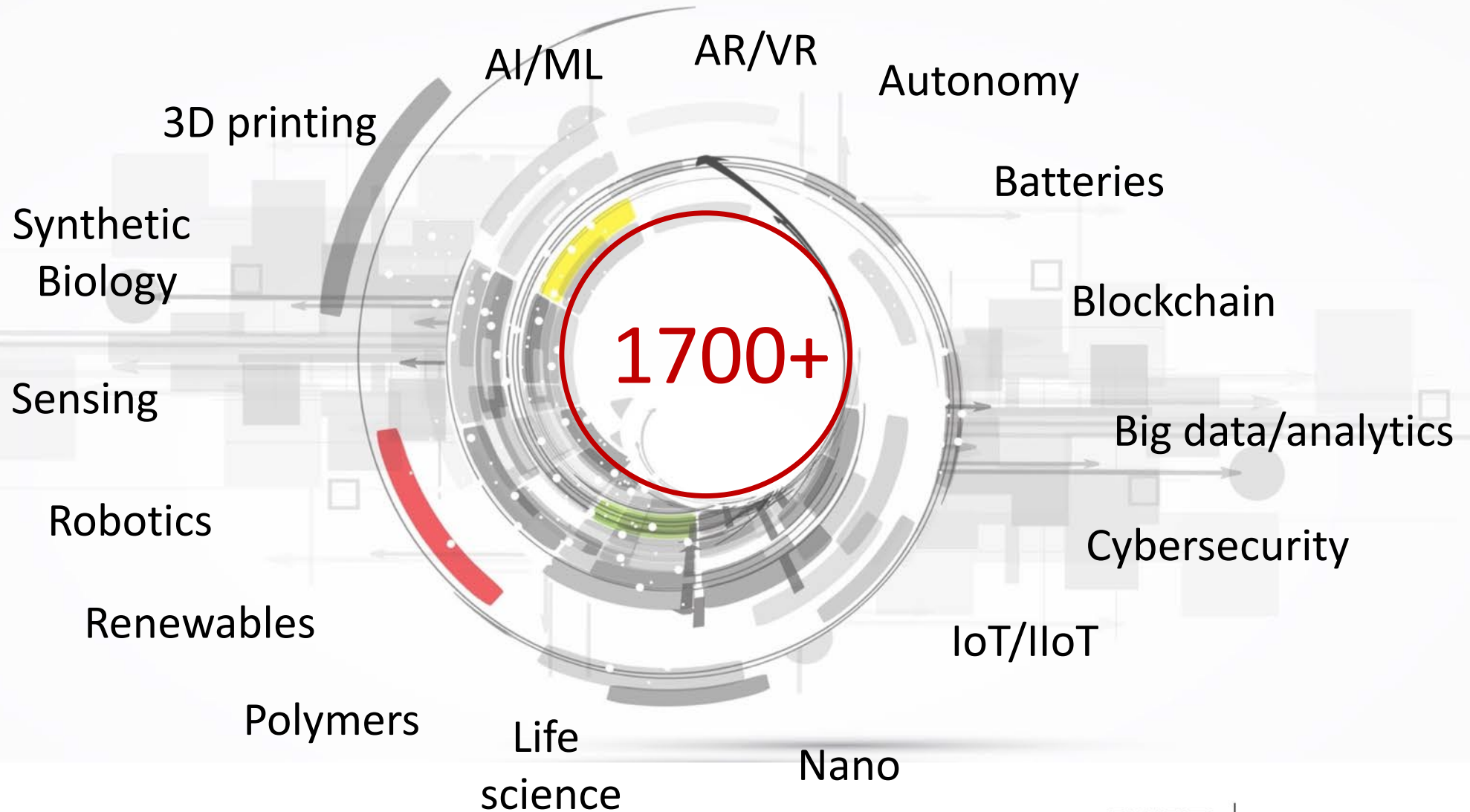
1700+

MIT-connected  
Startups

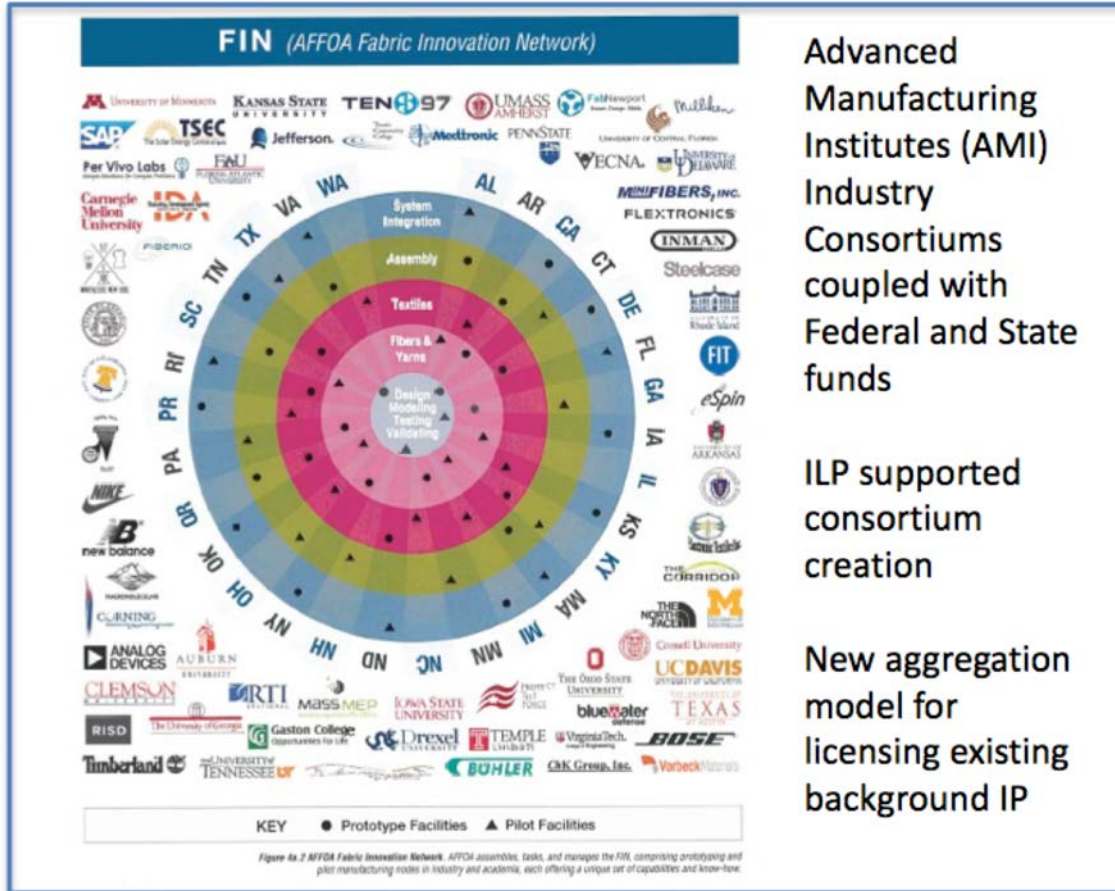
600+

Introductions  
each year

# Trending Technologies



# Campus Interfaces to New Translational Entities



Efficiency: Ready to sign option agreements

New networks speed innovation, make possible the previously impossible, and enhance the probability and amplitude of impact.

Establishment of these interfaces requires significant resources for negotiation and management from the MIT campus.

# Kendall Square Initiative

- \$1.2 billion development plan
- 3 new buildings for research and development
- 2 new buildings for housing
- 1 building for retail and office space.

*Fostering interaction at a city scale.*





*Boston is ranked #1 City in US for Innovation Hub by US Chamber of Commerce*

Boston is recognized as a place where the future is being built

Amazon

Takeda

Pfizer

Johnson & Johnson

Dai Nippon

Sumitomo

Pharma

Oracle

Pana

NEC

Hyundai

Mitsubishi

Joseph Jimenez, Novartis CEO



Baxter

*MA is ranked the most innovative state in US by Bloomberg*

Global Head of Pharma

*Riding the wave of innovation, the Boston area is one of the world's most vital resources for a number of industries, especially health care. GE, gov't attract the best talent and have truly joint research projects. It's important to us we can live in the atmosphere of a great innovation hub.*





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