



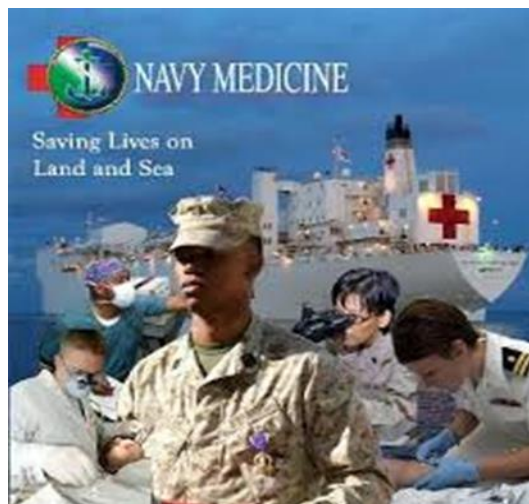
## Licensing DoD Technology



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# Why Do Licensing?

- **Best mechanism for transfer and transition of IP**
- **Promotes outside investment and commercialization**
- **Win for the warfighter, lab, economy**

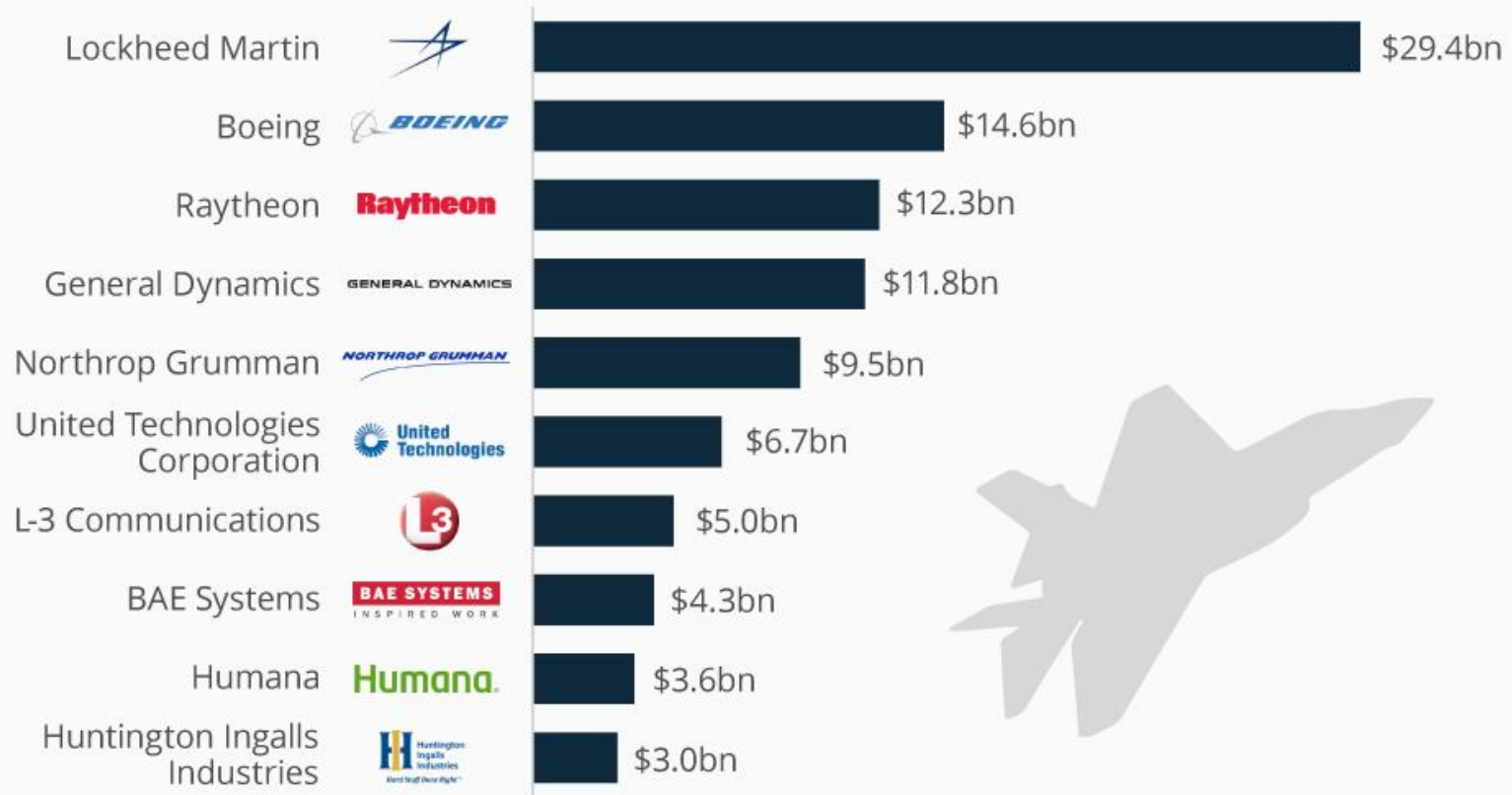




# Their Ideas Become Your Products

## America's Biggest Defense Contractors

U.S. Department of Defense expenditure with contractors in 2015



@Statista\_com

Source: U.S. Department of Defense

statista

\$20.4 Billion in direct sales  
\$48.8 Billion total economic  
impact







- **First national DoD-wide PIA** (est. 1999)
- **Helps DoD labs license their inventions to industry**
  - ✓ Brokers or facilitates 60% of DoD licenses
  - ✓ Has helped transfer over 1,000 DoD inventions to the private sector
- **Focus:**
  - ✓ DoD labs nationwide (Air Force, Army, Navy, DoD agencies)
  - ✓ Companies nationwide



*Gold stars = 47 states with companies that TechLink has partnered with DoD labs for license agreements*



# Patent Licensing Process: Step #1

## Select a Technology





# DoD Patent Database

[Services](#)[Technologies](#)[Labs](#)[Resources](#)[About](#)[Contact](#)

## Moving Technology from Minds to Markets

We create high-value partnerships between the Department of Defense and industry to develop, transfer, and transition leading technologies

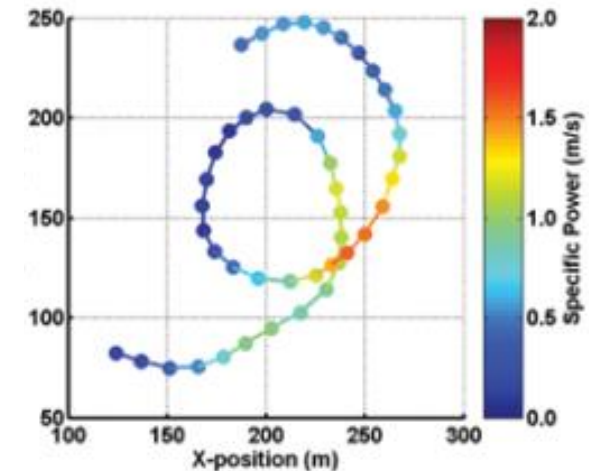
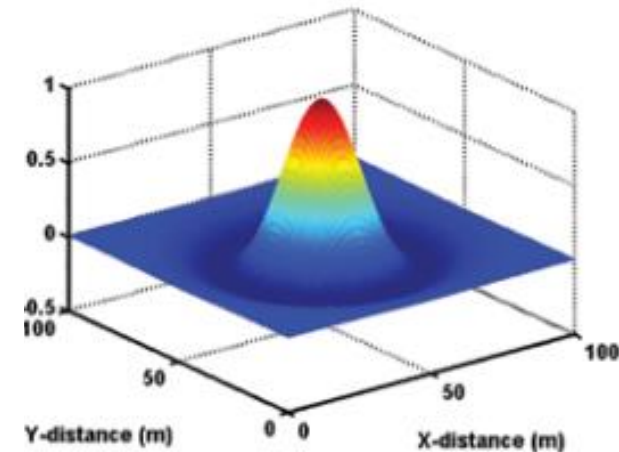
[EXPLORE TECHNOLOGIES](#)

### Search over 5,000 available technologies

Our online database offers a fully searchable listing of DoD inventions in virtually all technology fields. Start browsing now.

# ALOFT: Autonomous Locator of Thermals

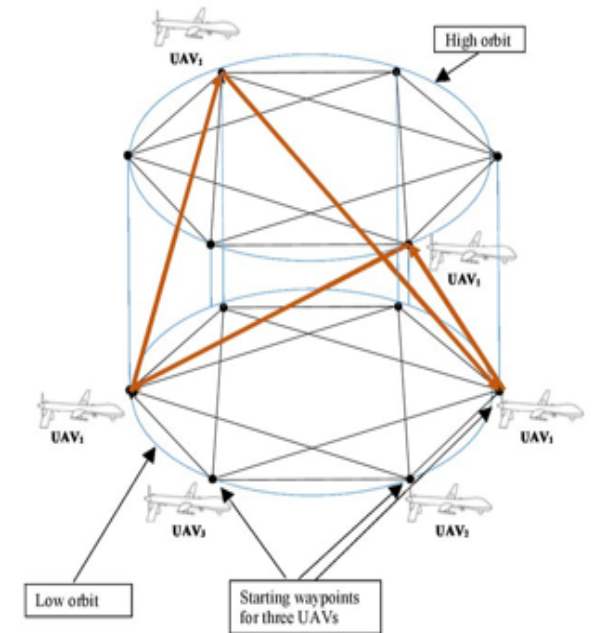
- Software to find thermals
- Improved Endurance and Range
- Widely deployed at low cost
- Entirely offset fuel consumption during times of convective activity
- Geospatial Memory Retention



ALOFT could be programmed into nearly any autopilot

# Collisionless Flying

- No need for detect and avoid sensors
- zero coordination between drones is required
- Collision-free movements are guaranteed,
- Redundancy of Area Coverage



UAV swarming design should be easily scalable to hundreds of UAVs



# Patent Licensing Process: Step #2

## Inventor Interview



Zbigniew R. Bogdanowicz

# Information Gathering Phase

- Has the technology been reduced to practice?
- Is it part of a larger portfolio?
- Are the inventors supportive, committed to the process?
- Any technical publications and conference proceedings?



# Patent Licensing Process: Step #3

## Application Process



# Patent Licensing Process: Step #4

## Commercialization Plan



# Qualifying for a Patent License

- DoD wants to ensure that companies that seek to commercialize our technologies have a solid business plan for bringing the technology to market.
- The Lab will review the completed license application and commercialization plan.

# Commercialization Plan Contents

- **Goal: help the DoD make an assessment of your plan for developing or marketing the invention.**
- **General understanding of the market space the applicant is hoping to enter.**
- **Access to the resources necessary to bring this technology to market.**

# Patent Licensing Process: Step #5

## Negotiate the Agreement



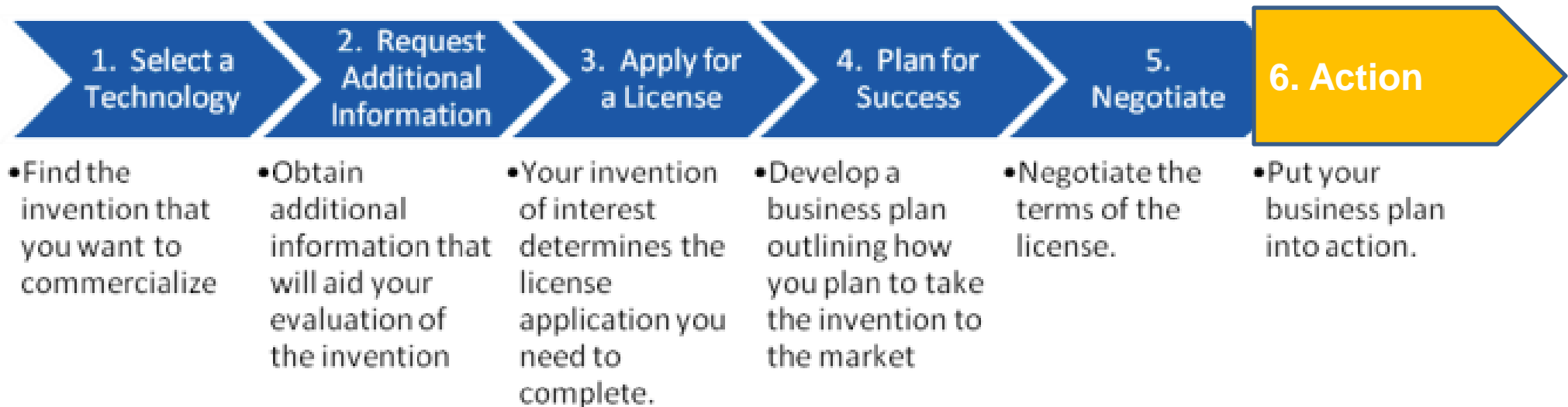


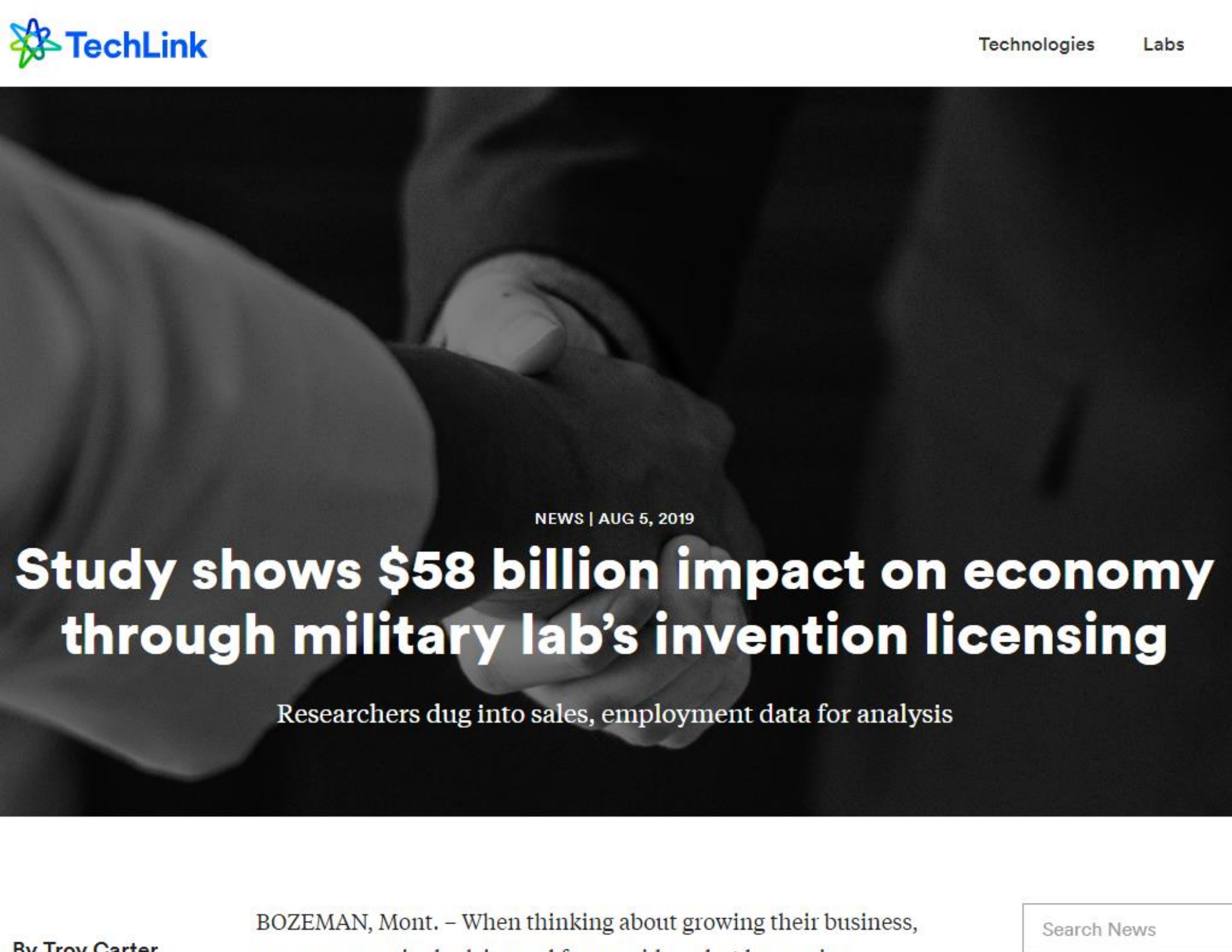
# Types of Licenses

- **Nonexclusive agreements**
  - Most commonly sought commercial licenses.
  - Nonexclusive licenses can be granted to more than one company.
- **An exclusive or partially exclusive commercial license**
  - gives a company exclusive or a limited exclusive access to DoD inventions.
- **Exclusivity may be limited to**
  - specific market application,
  - field of use,
  - geographic region,
  - or to a fixed period of time (e.g., five years), after which the agreement converts to a nonexclusive license.
- **DoD must publish notices of prospective exclusive licenses in the Federal Register.**
- **An evaluation license allows your company to internally evaluate the inventions for a short period.**

# Patent Licensing Process: Step #6

## Work Your Plan





NEWS | AUG 5, 2019

# Study shows \$58 billion impact on economy through military lab's invention licensing

Researchers dug into sales, employment data for analysis

BOZEMAN, Mont. – When thinking about growing their business,

Search News

By Troy Carter



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