The Emerging Economic Impact of Unmanned Aircraft Systems (aka “Drones”)

Tom Hagen
AUVSI Cascade Chapter
November 19, 2019
The Growth of UAS

- 1,500,000 – Drones registered in U.S.
  - 413,000 – Commercial Drones
  - 1,100,000 - Recreational Drones
- 157,000 – Remote Pilots certificated
- $100B - $125B – UAS market this decade
Operational Missions

- Infrastructure inspections
- Real estate / aerial photography
- Precision agriculture
- Insurance claims
- Research and development
- Search and Rescue
- Resource management
- Package delivery
- Urban Mobility
- Mining
- Media coverage
- First responder support
- Security
- ...and more yet unknown!
Top 20s

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<th>Rank</th>
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<th>Main Category</th>
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Note: The ranking is based on the following indicators: Size of company, media presence, Twitter followers, and public attention. The highest ranking company in each dimension remains in the Top 100, while the lowest ranking company receives a score of 0. The scores are an average of all four measured dimensions. A company ranked at the 1st rank has the highest score.
Workforce Opportunities

- Engineering
- Operations
- Data Collection, Exploitation, Dissemination
- Imagery Analysis
- Communications
- Avionics and Payloads
- Airframes and Engines
- Field Support
- Marketing
- First Responders

- Attorneys
- Insurance Sales
- Human Factors
- Advanced Manufacturing
- Regulators
- Flight Test Operations / Management
- Science and Research
- Air Traffic Controllers
- Consultants

...and many more!
**PNWER Can Play a Critical Role...**

- Critical mass of aerospace firms and skilled workforce
- Advanced manufacturing and materials companies
- Information and communication technology businesses
- Strong academia baseline / workforce development
- Wide variety of services and support industries
- Much-needed focus on regional disaster resilience
- An abundance of geographical resources
- YOU!

*Pacific NorthWest Economic Region*
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