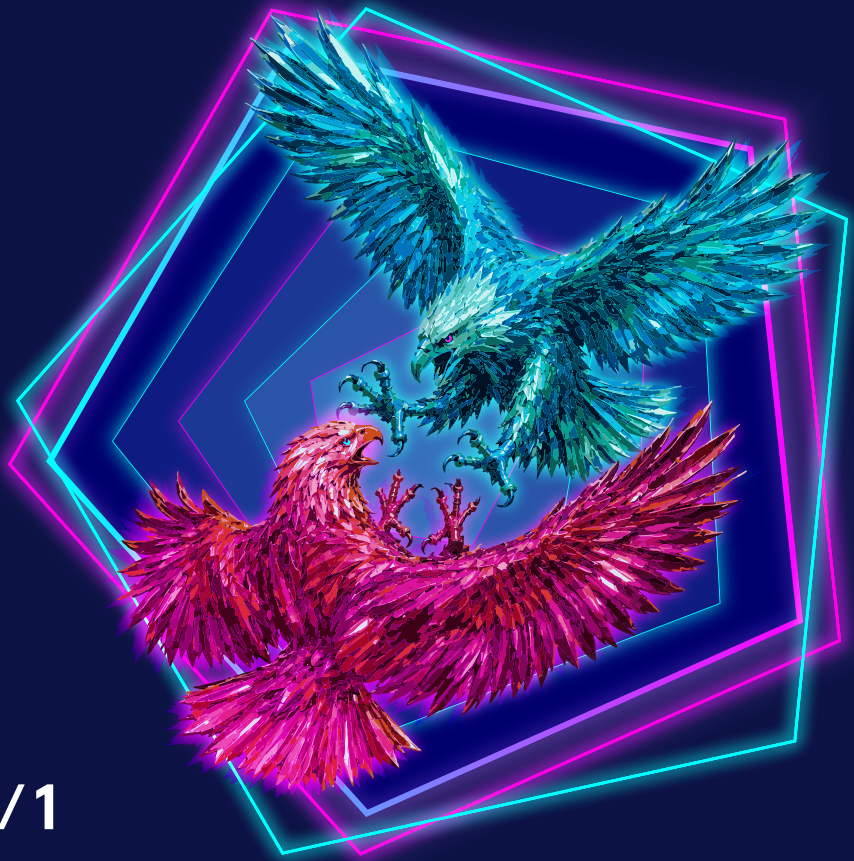
Battlefield Edge Compute Engine

50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

Warfighters increasingly orchestrate a variety of weapons systems while integrating data from dozens of sources. Contested comms have become a new domain of warfare, blocking the connectivity that powers these systems. This new software engine processes data locally, eliminating vulnerable uplinks.





1

2/1

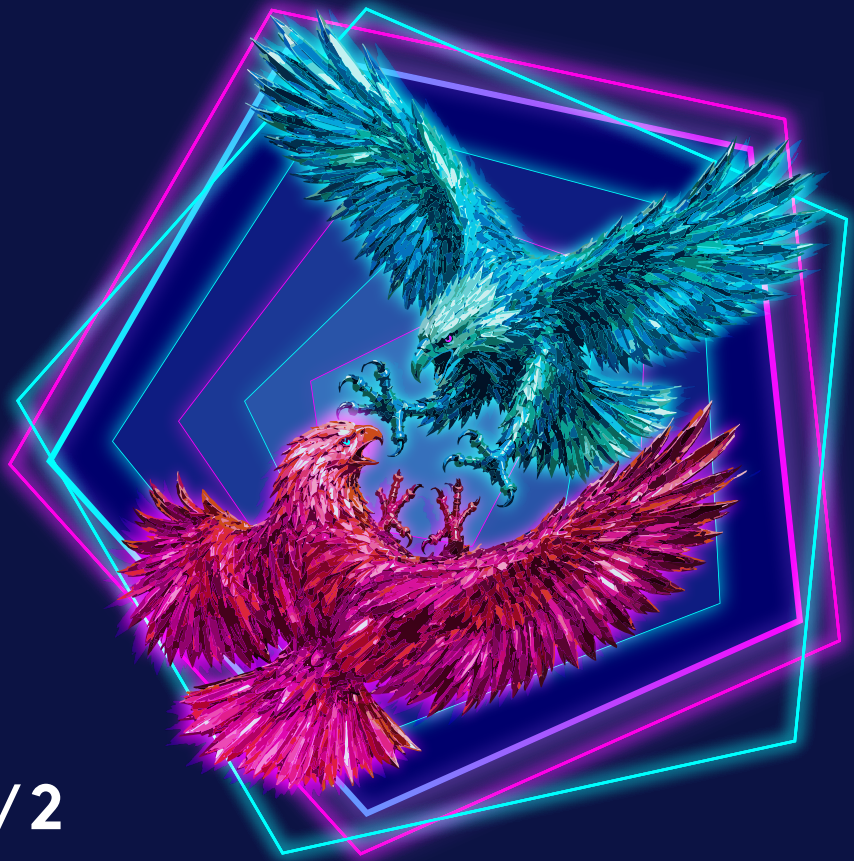
Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

Earth's warming climate is increasingly opening the Arctic for trade and defense. America owns just three polar icebreakers, though, creating an extraordinary vulnerability in the north. These modern icebreakers would fill the gap and are designed for high-scale manufacturing.





Satellite Cybersecurity Defense Platform

33% 5
67% 3
CAPABILITY

3K
DEFENSE JOBS

America's satellites form the backbone of its economy and its military. Foreign hackers are increasingly infiltrating them, siphoning data and gaining operational control in the worst cases. A new platform offers a much better model for embedded cyber defense.





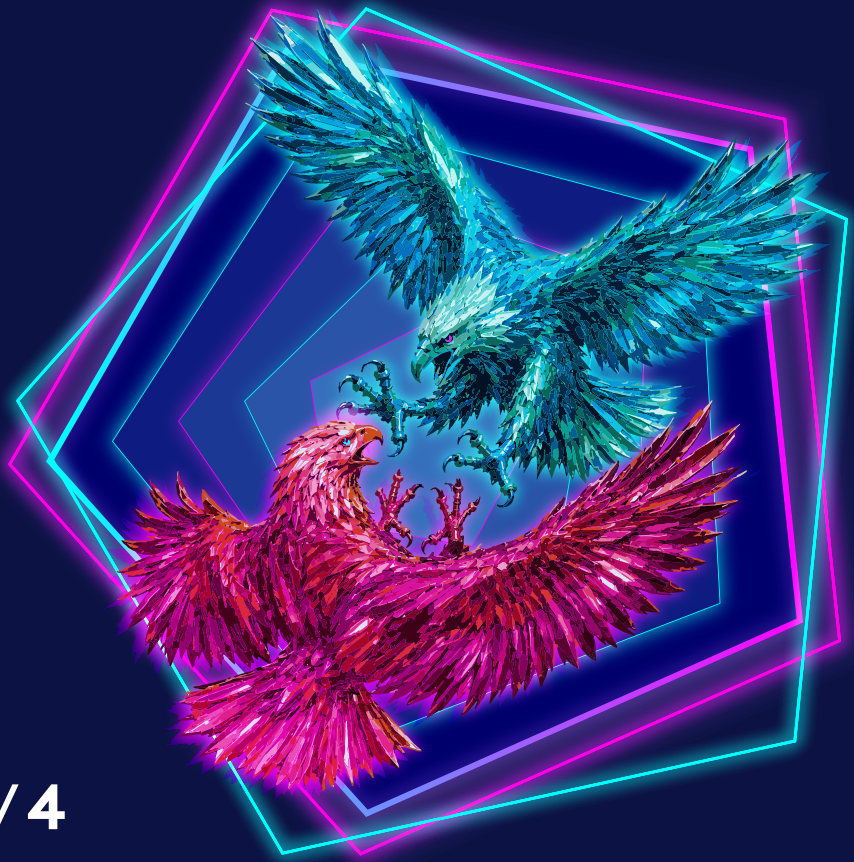
ML-Enabled Law Enforcement Fusion Cell

33% 7
67% 4
CAPABILITY

2K
DEFENSE JOBS

The number of domestic threats has skyrocketed, but law enforcement is not effectively coordinating its actions. This new software-enabled fusion cell would combine the best data sources and machine learning platforms to detect anomalous threats and neutralize them early.

Table **1** / Project **4**



Offensive Hybrid War Teams

20% **10**
80% **5**
CAPABILITY

2K
DEFENSE JOBS

The West's adversaries use hybrid war to sow chaos in the United States and Europe. But the West can do the same, puncturing the sense of stability that authoritarians crave. This project would fund hybrid war teams to undermine foreign regimes and incite new color revolutions.





Offensive Cyber Capabilities

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

America has made tremendous investments in cyber defense, but it is behind Russia and China in building up its offensive forces. Amid hybrid war, there is now urgency to close the gap by funding new offensive hacking capabilities.





Cybersecurity Legacy Upgrade

90% 5
10% 3
CAPABILITY

3K
DEFENSE JOBS

America's legacy defense infrastructure isn't going anywhere fast, even as cyber threats multiply. This upgrade would dedicate new resources and talent to protect these vital assets while they are still in active use.





Acoustic Subsea Cable Sensors

20% **7**

80% **4**

CAPABILITY

1K

DEFENSE JOBS

Subsea cables carry the bulk of the world's data, but their hair-thin fiber optics are easy to sabotage. A team of scientists has found a novel defense: using acoustic sensors inspired by whales to listen for critical damage.





Polar Minesweepers



75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

The opening of the Arctic has connected the polar nations, but has also led to new threats. Russia has recently started mining key straits, and the United States has no anti-mine forces based in the region. These new minesweepers would use leading technology to protect critical Arctic shipping lanes.



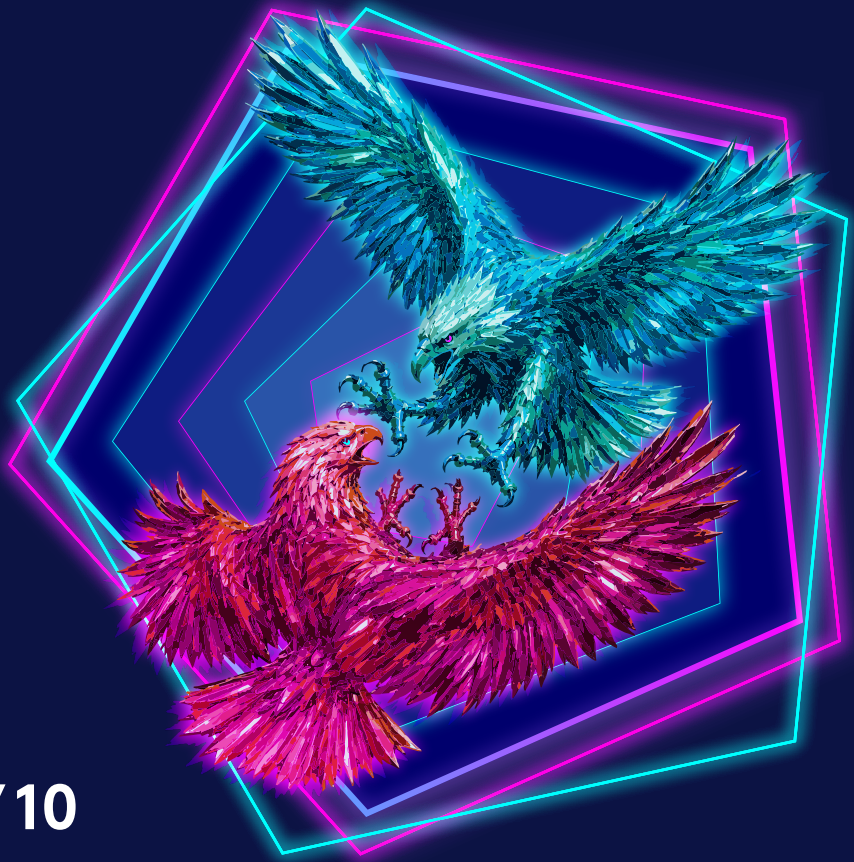
Anti-Satellite Assault Weapons



50% **7**
50% **4**
CAPABILITY

4K
DEFENSE JOBS

Russia trialed an anti-satellite weapon several years ago. As hybrid war intensifies, there is now a need for the United States to have a similar weapon to neutralize key Russian and Chinese assets and establish mutually assured destruction in outer space.



Polar Highly Elliptical Orbit Satellites

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

Due to their orbits, satellites that work near the equator provide less coverage near the poles. These new satellites would be placed in special orbits for high-latitude coverage and designed to handle challenges like charged-particle radiation to provide a more consistent view of the Arctic.

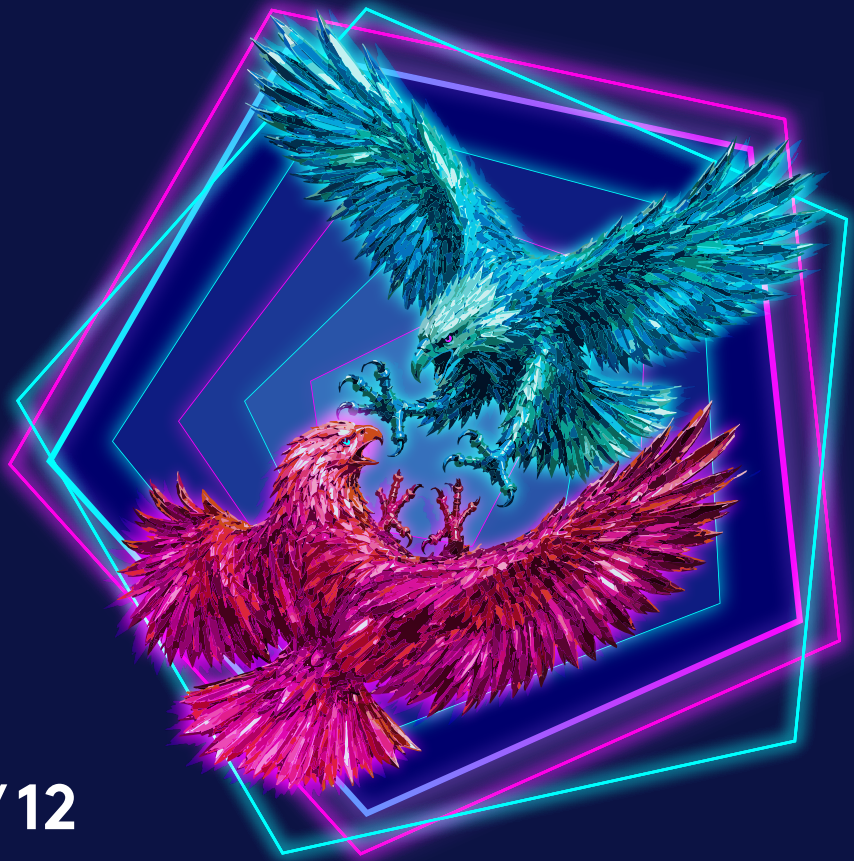


Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

The Cold War may have given way to a new hybrid war, but the equipment of the last fight is still in place. While there have been regular demands to replace these monitoring stations, they are in strategic locations and still perform adequately. New funding would keep them running for years to come.



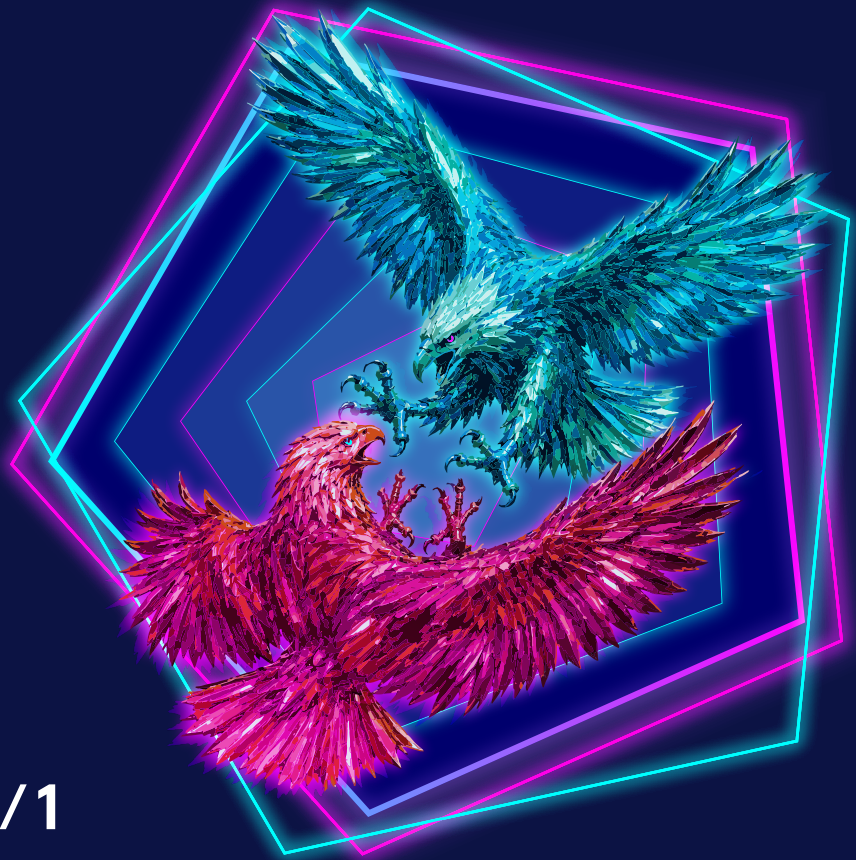
Battlefield Edge Compute Engine

50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

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Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

Earth's warming climate is increasingly opening the Arctic for trade and defense. America owns just three polar icebreakers, though, creating an extraordinary vulnerability in the north. These modern icebreakers would fill the gap and are designed for high-scale manufacturing.





2

2/2

Satellite Cybersecurity Defense Platform

33% **5**

67% **3**

CAPABILITY

3K

DEFENSE JOBS

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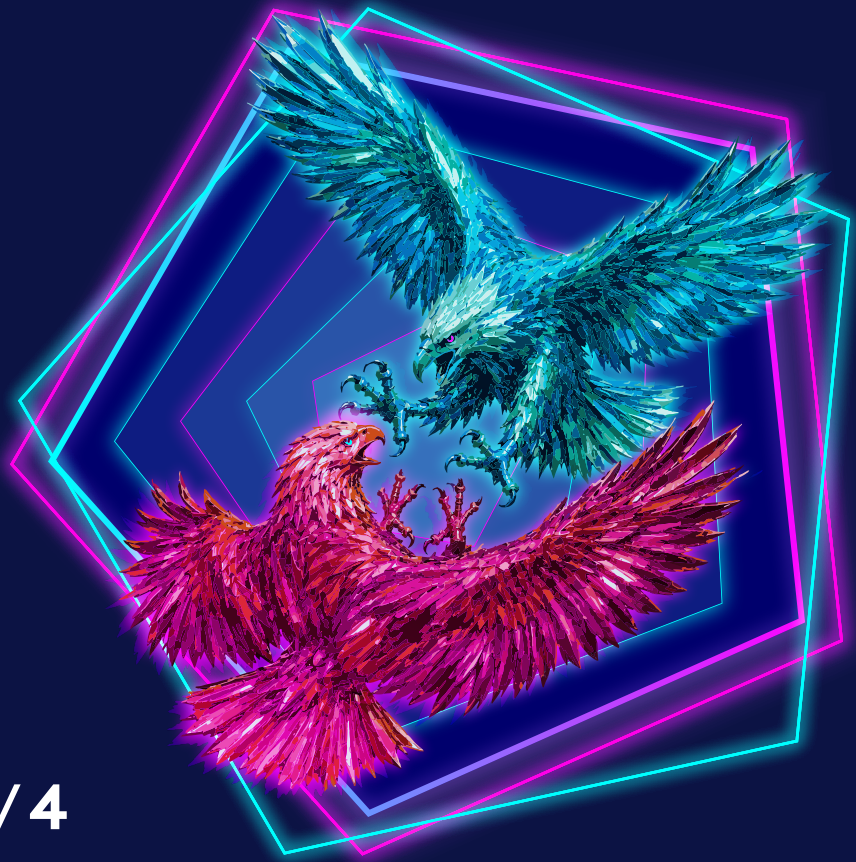
ML-Enabled Law Enforcement Fusion Cell

33% 7
67% 4
CAPABILITY

2K
DEFENSE JOBS

The number of domestic threats has skyrocketed, but law enforcement is not effectively coordinating its actions. This new software-enabled fusion cell would combine the best data sources and machine learning platforms to detect anomalous threats and neutralize them early.





Offensive Hybrid War Teams

20% **10**
80% **5**
CAPABILITY

2K
DEFENSE JOBS

The West's adversaries use hybrid war to sow chaos in the United States and Europe. But the West can do the same, puncturing the sense of stability that authoritarians crave. This project would fund hybrid war teams to undermine foreign regimes and incite new color revolutions.





Offensive Cyber Capabilities

50% 5
50% 3
CAPABILITY

5K
DEFENSE JOBS

America has made tremendous investments in cyber defense, but it is behind Russia and China in building up its offensive forces. Amid hybrid war, there is now urgency to close the gap by funding new offensive hacking capabilities.





Cybersecurity Legacy Upgrade

90% 5
10% 3
CAPABILITY

3K
DEFENSE JOBS

America's legacy defense infrastructure isn't going anywhere fast, even as cyber threats multiply. This upgrade would dedicate new resources and talent to protect these vital assets while they are still in active use.





Acoustic Subsea Cable Sensors

20% **7**

80% **4**

CAPABILITY

1K

DEFENSE JOBS

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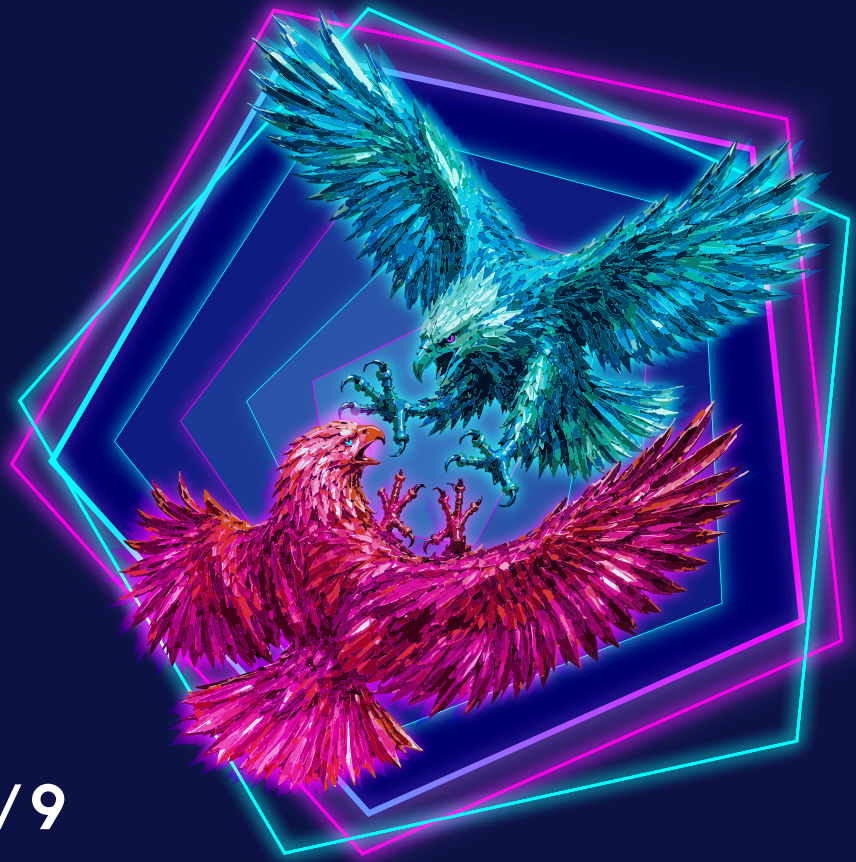


Polar Minesweepers

75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

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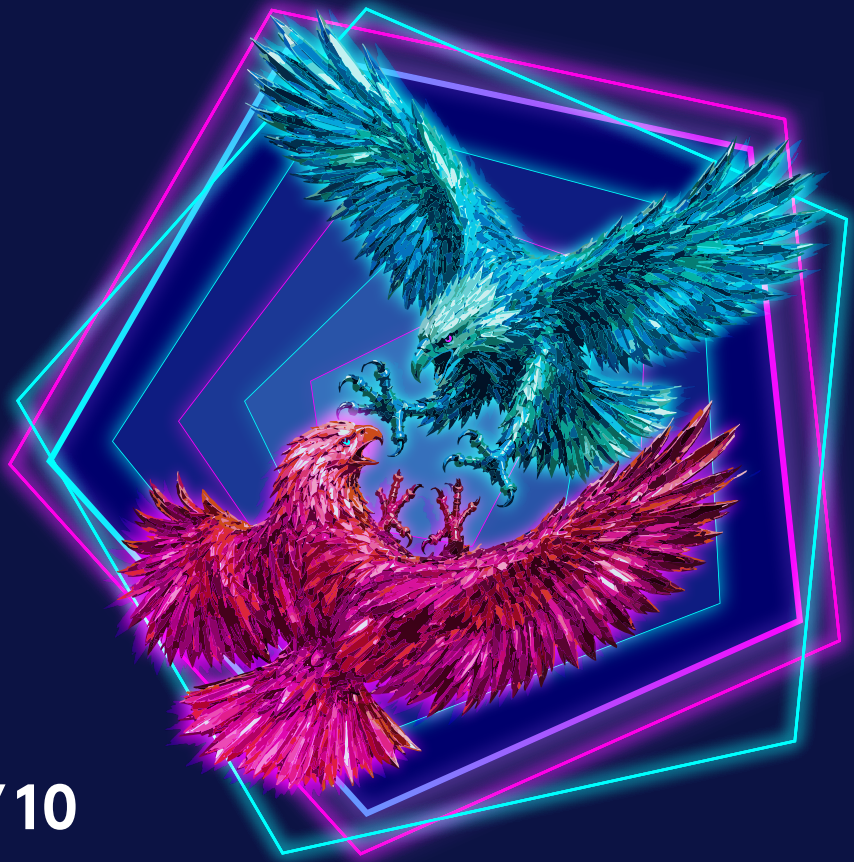


Anti-Satellite Assault Weapons

50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

Russia trialed an anti-satellite weapon several years ago. As hybrid war intensifies, there is now a need for the United States to have a similar weapon to neutralize key Russian and Chinese assets and establish mutually assured destruction in outer space.



Polar Highly Elliptical Orbit Satellites

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

Due to their orbits, satellites that work near the equator provide less coverage near the poles. These new satellites would be placed in special orbits for high-latitude coverage and designed to handle challenges like charged-particle radiation to provide a more consistent view of the Arctic.



Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

The Cold War may have given way to a new hybrid war, but the equipment of the last fight is still in place. While there have been regular demands to replace these monitoring stations, they are in strategic locations and still perform adequately. New funding would keep them running for years to come.



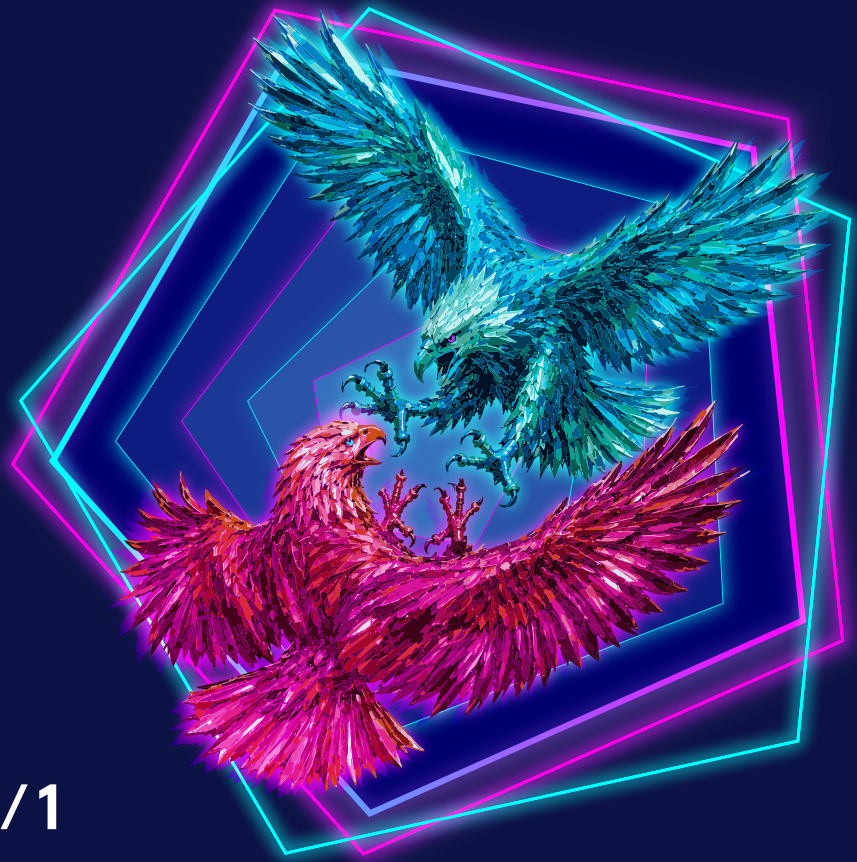
Battlefield Edge Compute Engine

50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

Warfighters increasingly orchestrate a variety of weapons systems while integrating data from dozens of sources. Contested comms have become a new domain of warfare, blocking the connectivity that powers these systems. This new software engine processes data locally, eliminating vulnerable uplinks.





3

2/1

Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

Earth's warming climate is increasingly opening the Arctic for trade and defense. America owns just three polar icebreakers, though, creating an extraordinary vulnerability in the north. These modern icebreakers would fill the gap and are designed for high-scale manufacturing.





3

2/2

Satellite Cybersecurity Defense Platform

33% **5**

67% **3**

CAPABILITY

3K

DEFENSE JOBS

America's satellites form the backbone of its economy and its military. Foreign hackers are increasingly infiltrating them, siphoning data and gaining operational control in the worst cases. A new platform offers a much better model for embedded cyber defense.





ML-Enabled Law Enforcement Fusion Cell

33% **7**

67% **4**

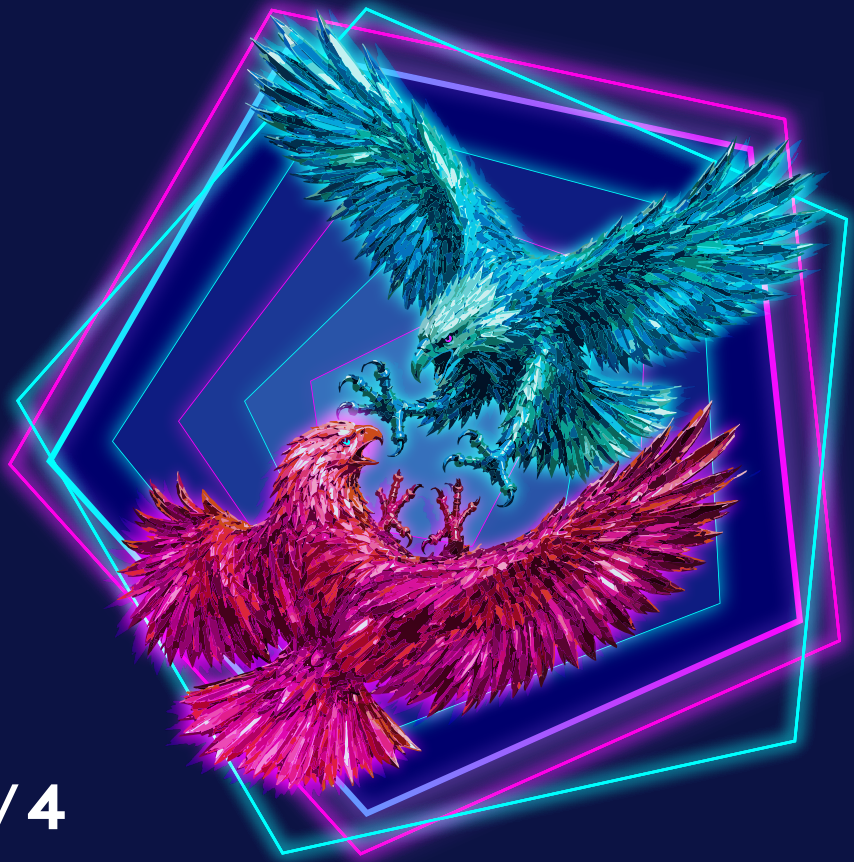
CAPABILITY

2K

DEFENSE JOBS

The number of domestic threats has skyrocketed, but law enforcement is not effectively coordinating its actions. This new software-enabled fusion cell would combine the best data sources and machine learning platforms to detect anomalous threats and neutralize them early.





3

2 / 4

Offensive Hybrid War Teams

20% **10**
80% **5**
CAPABILITY

2K
DEFENSE JOBS

The West's adversaries use hybrid war to sow chaos in the United States and Europe. But the West can do the same, puncturing the sense of stability that authoritarians crave. This project would fund hybrid war teams to undermine foreign regimes and incite new color revolutions.





Offensive Cyber Capabilities

50% 5
50% 3
CAPABILITY

5K
DEFENSE JOBS

America has made tremendous investments in cyber defense, but it is behind Russia and China in building up its offensive forces. Amid hybrid war, there is now urgency to close the gap by funding new offensive hacking capabilities.





Cybersecurity Legacy Upgrade

90% 5
10% 3
CAPABILITY

3K
DEFENSE JOBS

America's legacy defense infrastructure isn't going anywhere fast, even as cyber threats multiply. This upgrade would dedicate new resources and talent to protect these vital assets while they are still in active use.





Acoustic Subsea Cable Sensors

20% **7**

80% **4**

CAPABILITY

1K

DEFENSE JOBS

Subsea cables carry the bulk of the world's data, but their hair-thin fiber optics are easy to sabotage. A team of scientists has found a novel defense: using acoustic sensors inspired by whales to listen for critical damage.





Polar Minesweepers

75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

The opening of the Arctic has connected the polar nations, but has also led to new threats. Russia has recently started mining key straits, and the United States has no anti-mine forces based in the region. These new minesweepers would use leading technology to protect critical Arctic shipping lanes.



3

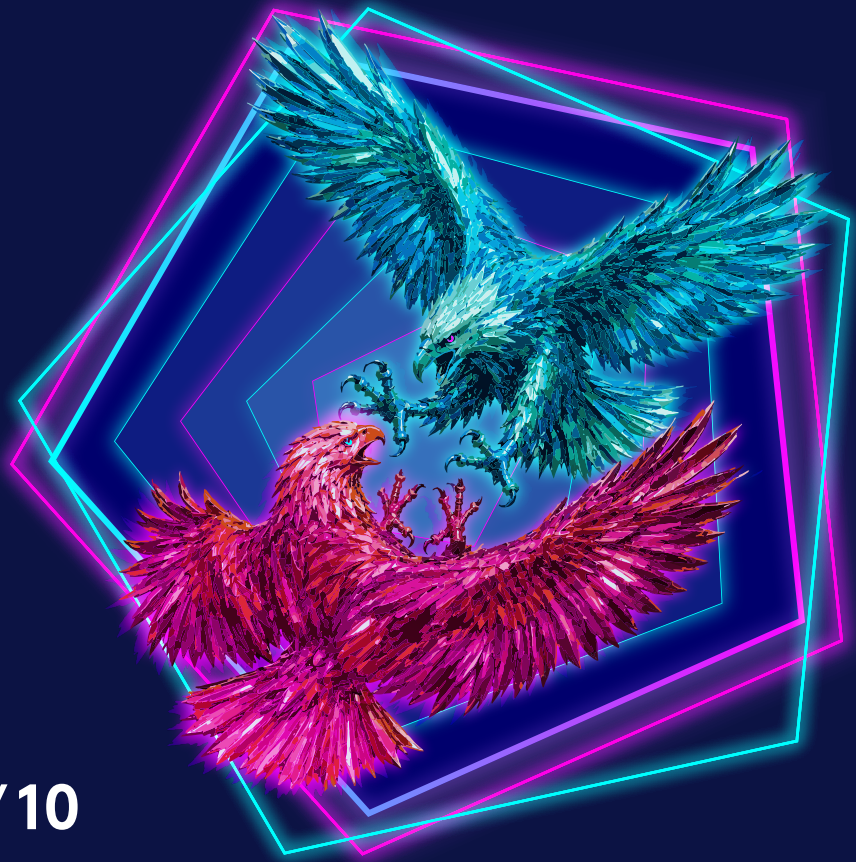
2/9

Anti-Satellite Assault Weapons

50% **7**
50% **4**
CAPABILITY

4K
DEFENSE JOBS

Russia trialed an anti-satellite weapon several years ago. As hybrid war intensifies, there is now a need for the United States to have a similar weapon to neutralize key Russian and Chinese assets and establish mutually assured destruction in outer space.



Polar Highly Elliptical Orbit Satellites

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

Due to their orbits, satellites that work near the equator provide less coverage near the poles. These new satellites would be placed in special orbits for high-latitude coverage and designed to handle challenges like charged-particle radiation to provide a more consistent view of the Arctic.



Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

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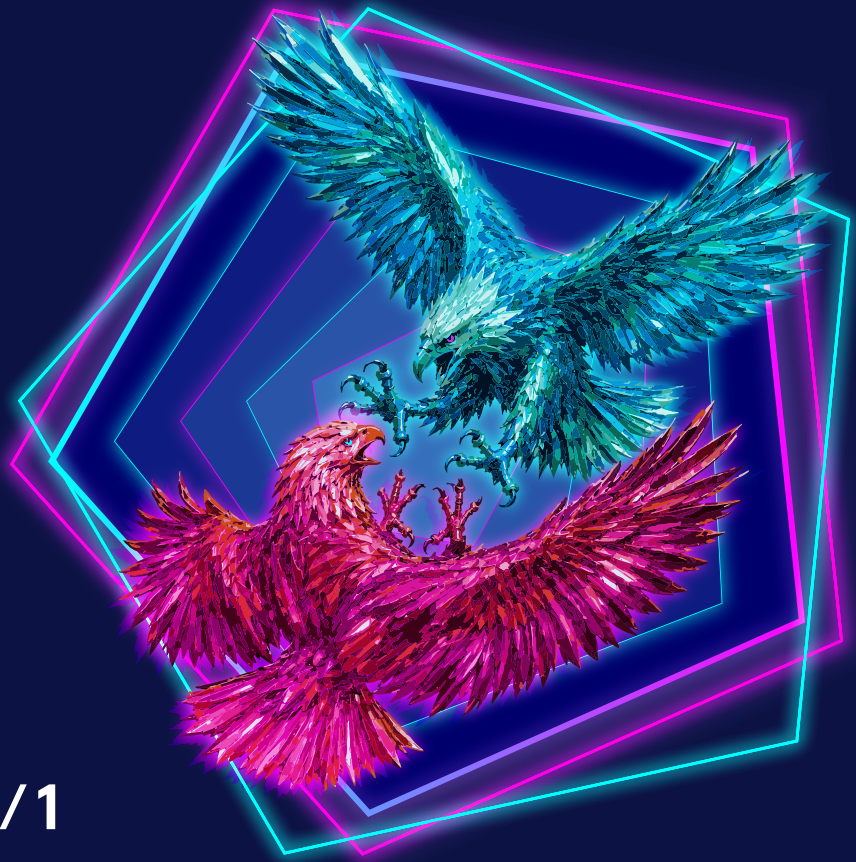
Battlefield Edge Compute Engine

50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

Warfighters increasingly orchestrate a variety of weapons systems while integrating data from dozens of sources. Contested comms have become a new domain of warfare, blocking the connectivity that powers these systems. This new software engine processes data locally, eliminating vulnerable uplinks.

Table **4** / Project **1**



4

2/1

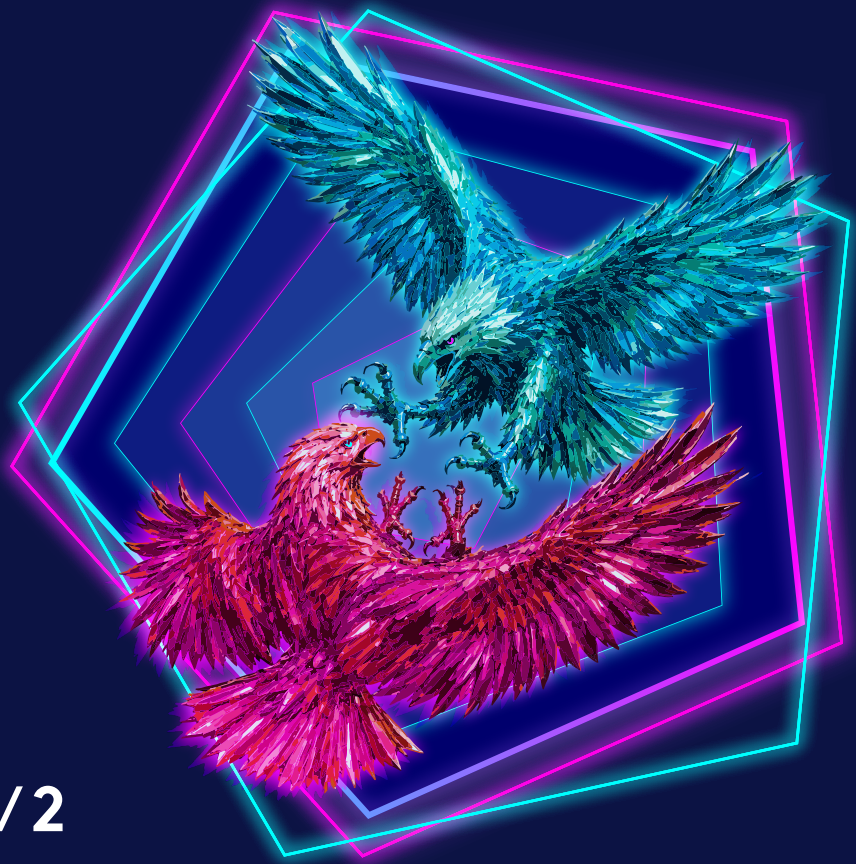
Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

Earth's warming climate is increasingly opening the Arctic for trade and defense. America owns just three polar icebreakers, though, creating an extraordinary vulnerability in the north. These modern icebreakers would fill the gap and are designed for high-scale manufacturing.





4

2/2

Satellite Cybersecurity Defense Platform

33% **5**

67% **3**

CAPABILITY

3K

DEFENSE JOBS

America's satellites form the backbone of its economy and its military. Foreign hackers are increasingly infiltrating them, siphoning data and gaining operational control in the worst cases. A new platform offers a much better model for embedded cyber defense.





ML-Enabled Law Enforcement Fusion Cell

33% **7**

67% **4**

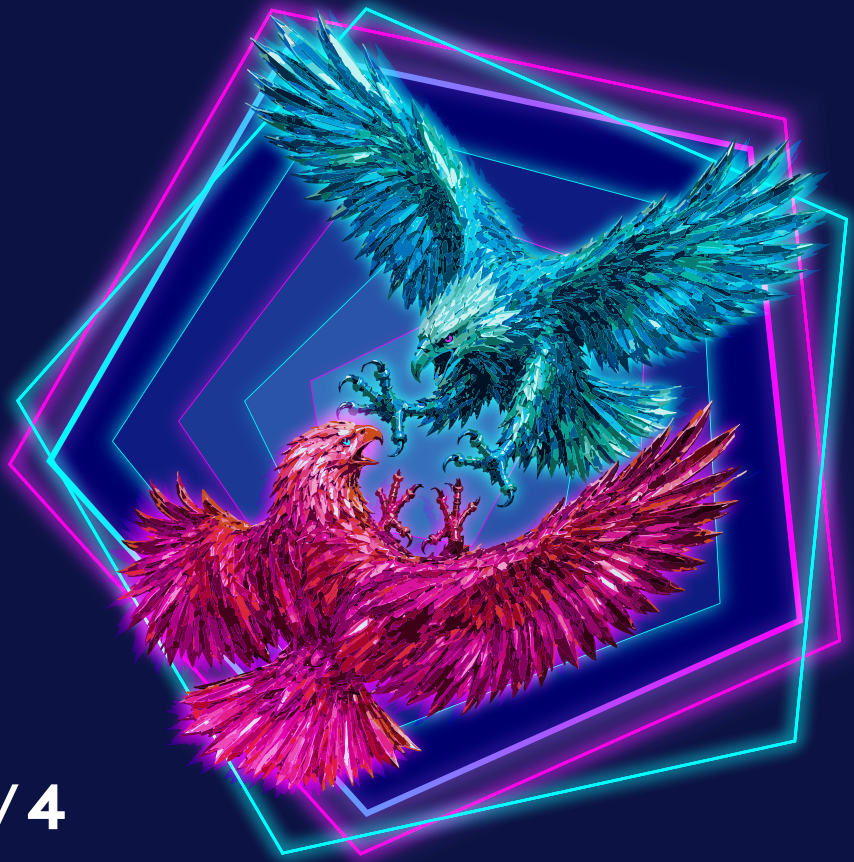
CAPABILITY

2K

DEFENSE JOBS

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Offensive Hybrid War Teams

20% **10**
80% **5**
CAPABILITY

2K
DEFENSE JOBS

The West's adversaries use hybrid war to sow chaos in the United States and Europe. But the West can do the same, puncturing the sense of stability that authoritarians crave. This project would fund hybrid war teams to undermine foreign regimes and incite new color revolutions.





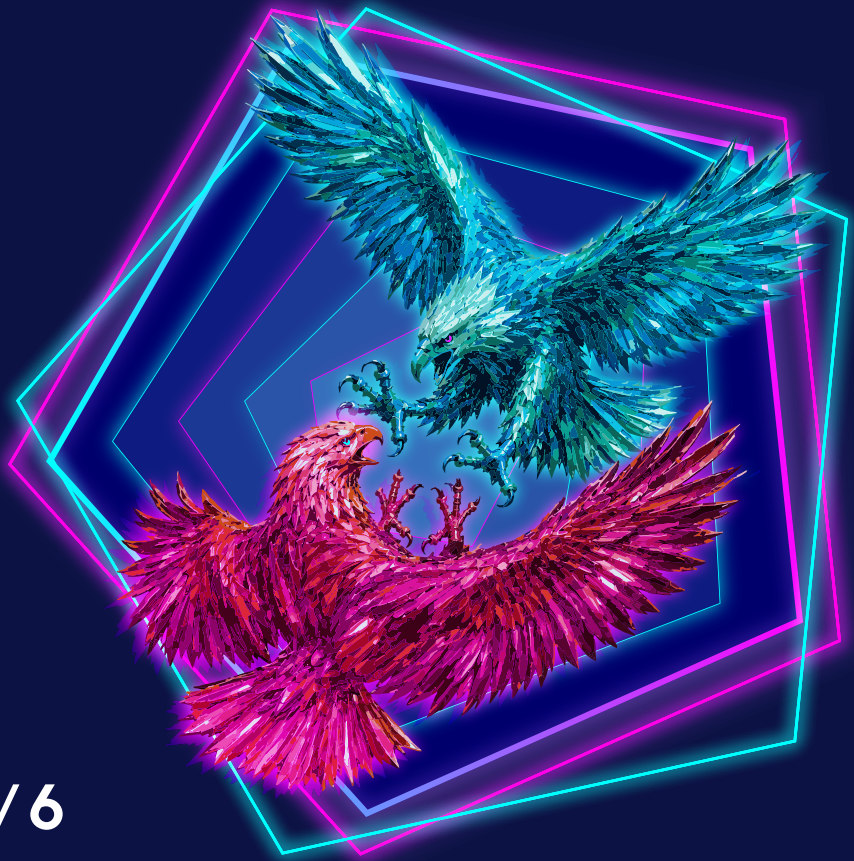
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CAPABILITY

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DEFENSE JOBS

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90% 5
10% 3
CAPABILITY

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DEFENSE JOBS

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20% **7**

80% **4**

CAPABILITY

1K

DEFENSE JOBS

Subsea cables carry the bulk of the world's data, but their hair-thin fiber optics are easy to sabotage. A team of scientists has found a novel defense: using acoustic sensors inspired by whales to listen for critical damage.





Polar Minesweepers

75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

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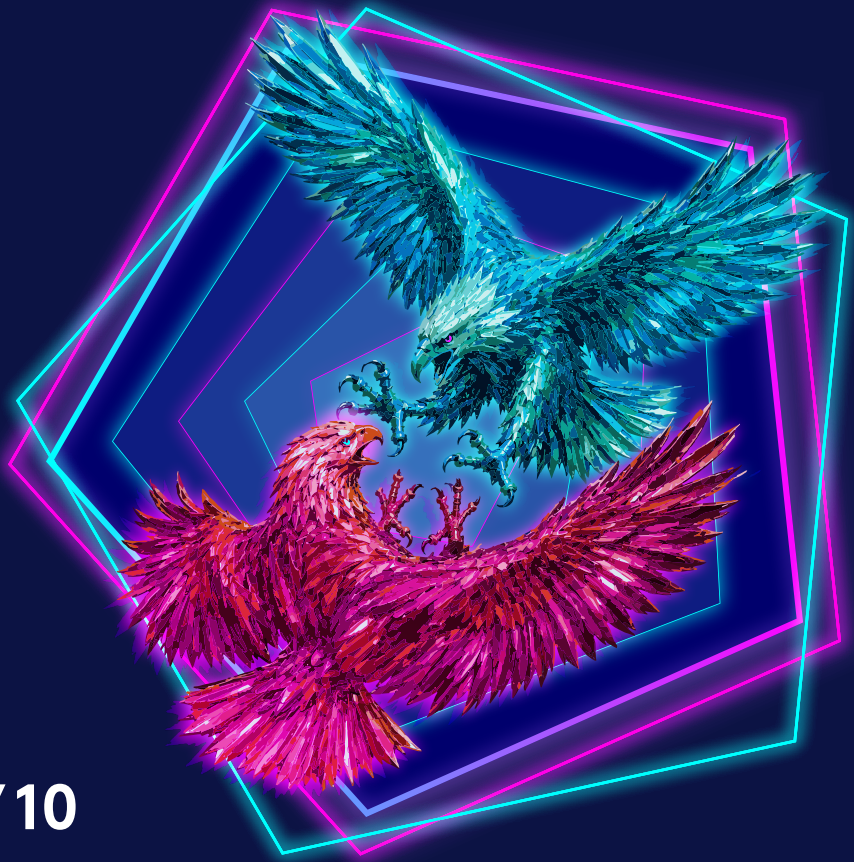


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50% 7
50% 4
CAPABILITY

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DEFENSE JOBS

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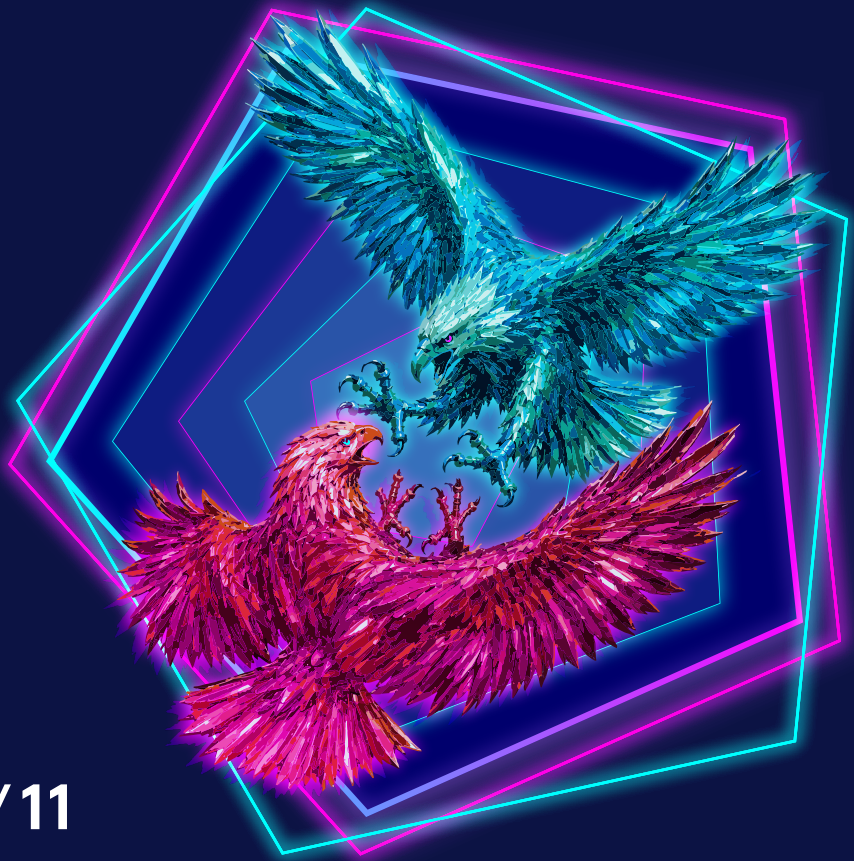


Polar Highly Elliptical Orbit Satellites

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

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Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

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Battlefield Edge Compute Engine

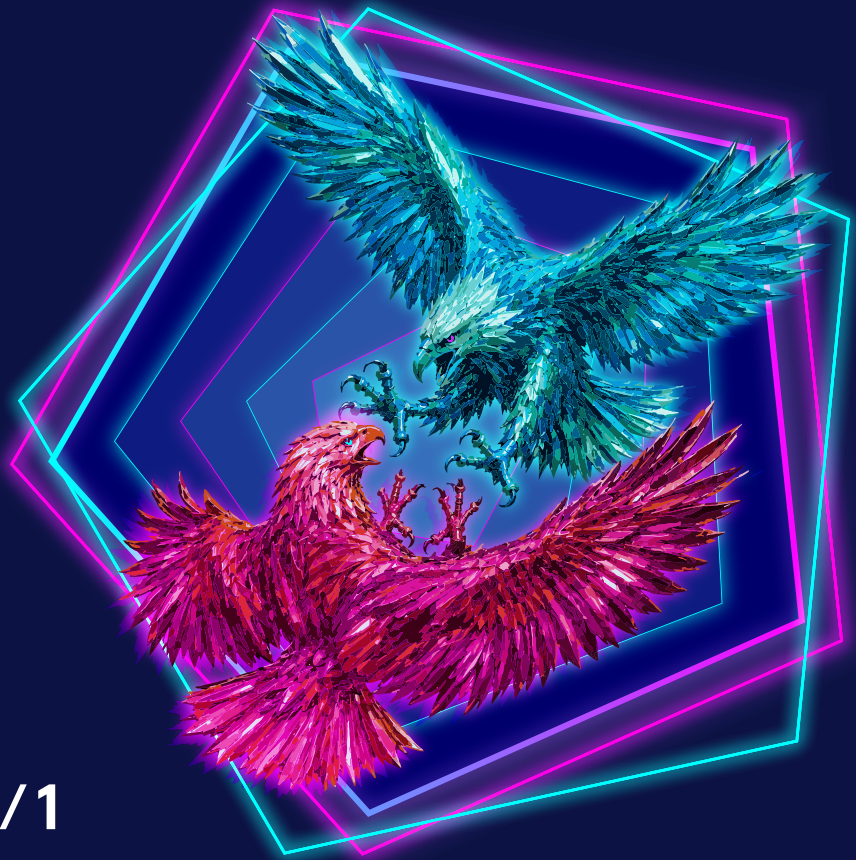
50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

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Table **5** / Project **1**



5

2/1

Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

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5

2/2

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33% **5**

67% **3**

CAPABILITY

3K

DEFENSE JOBS

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ML-Enabled Law Enforcement Fusion Cell

33% **7**

67% **4**

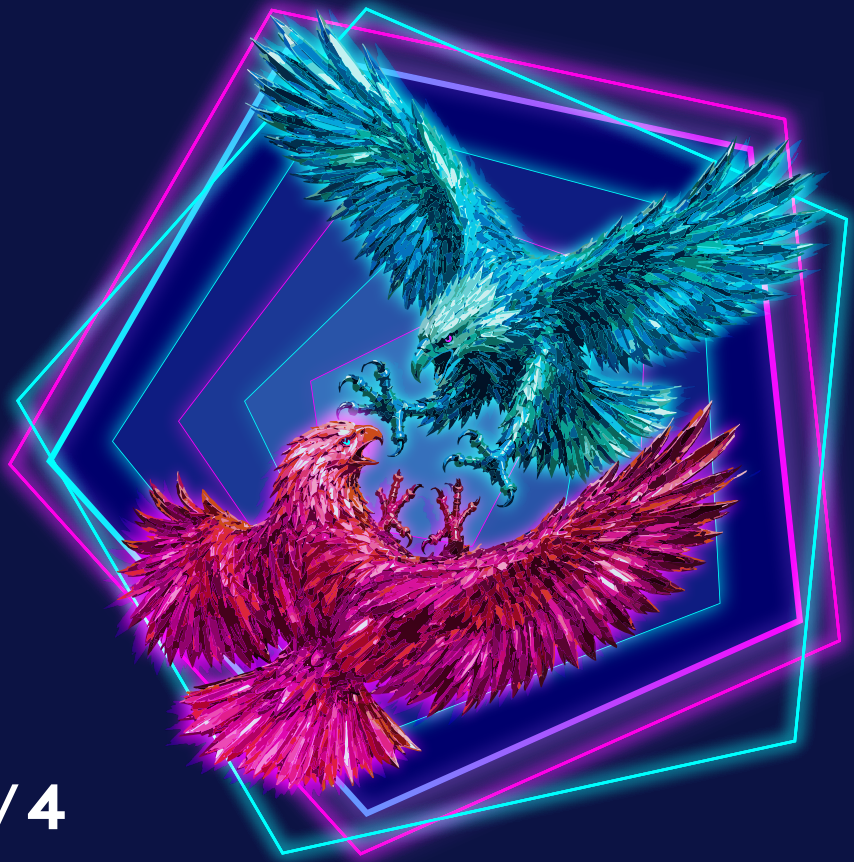
CAPABILITY

2K

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20% **10**
80% **5**
CAPABILITY

2K
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5K
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Cybersecurity Legacy Upgrade

90% 5
10% 3
CAPABILITY

3K
DEFENSE JOBS

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20% **7**

80% **4**

CAPABILITY

1K

DEFENSE JOBS

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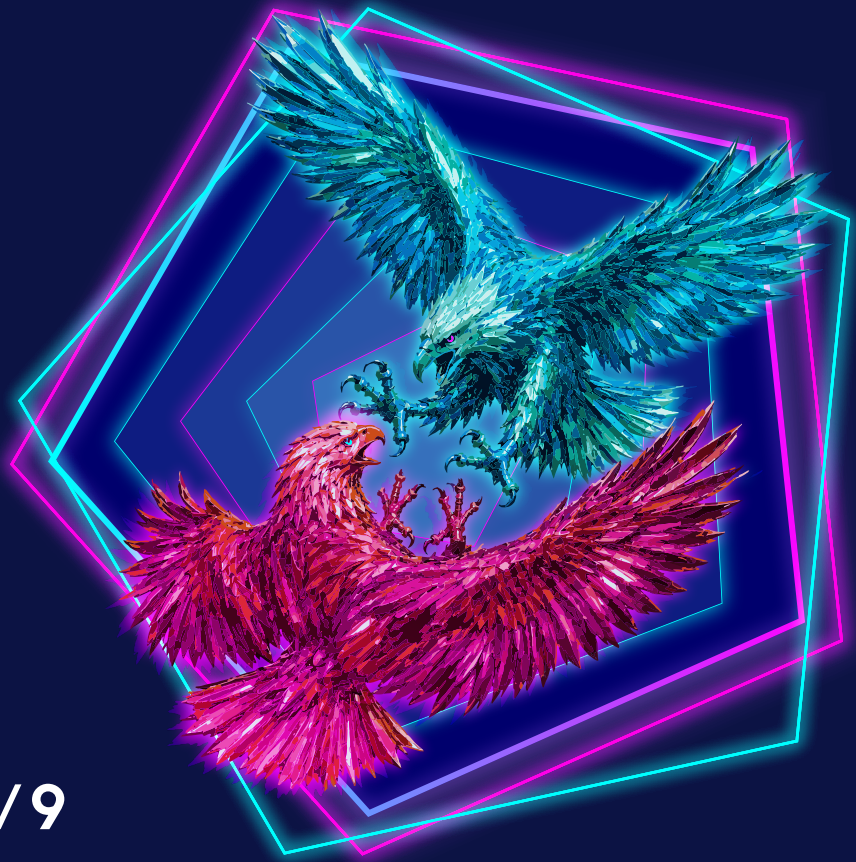


Polar Minesweepers

75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

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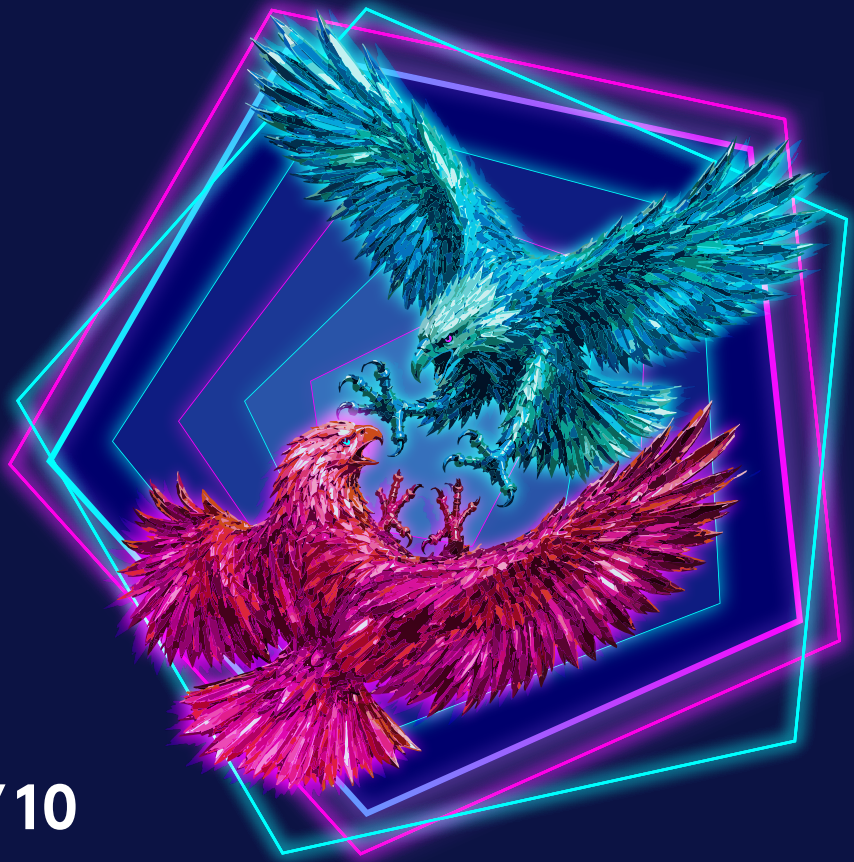


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50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

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Polar Highly Elliptical Orbit Satellites

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

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Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

The Cold War may have given way to a new hybrid war, but the equipment of the last fight is still in place. While there have been regular demands to replace these monitoring stations, they are in strategic locations and still perform adequately. New funding would keep them running for years to come.



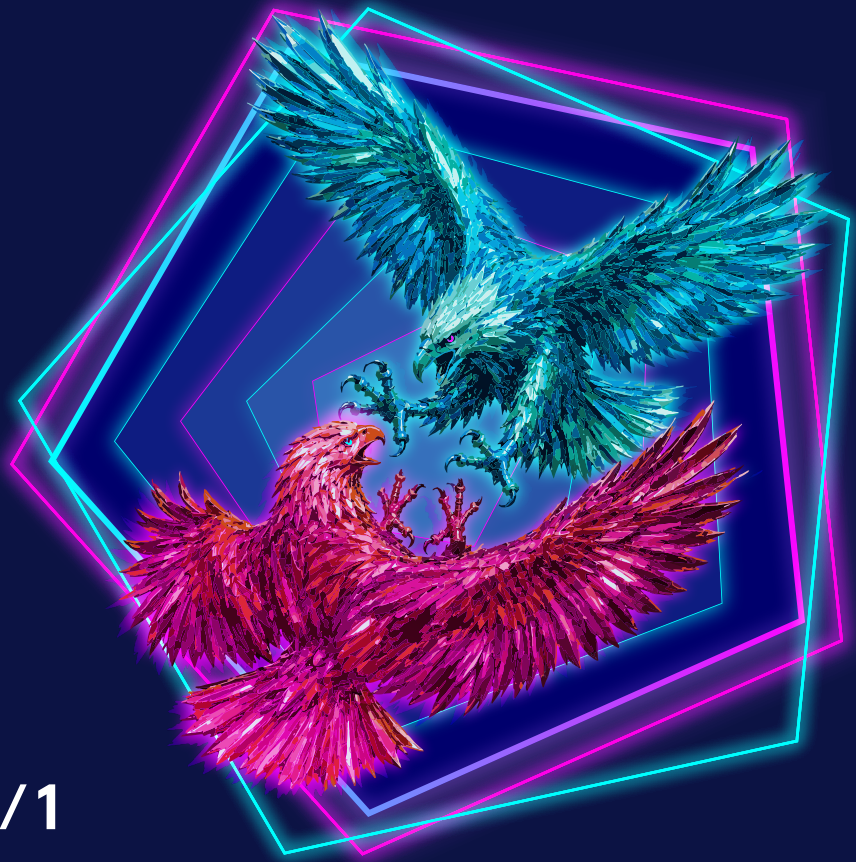
Battlefield Edge Compute Engine

50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

Warfighters increasingly orchestrate a variety of weapons systems while integrating data from dozens of sources. Contested comms have become a new domain of warfare, blocking the connectivity that powers these systems. This new software engine processes data locally, eliminating vulnerable uplinks.

Table **6** / Project **1**



6

2/1

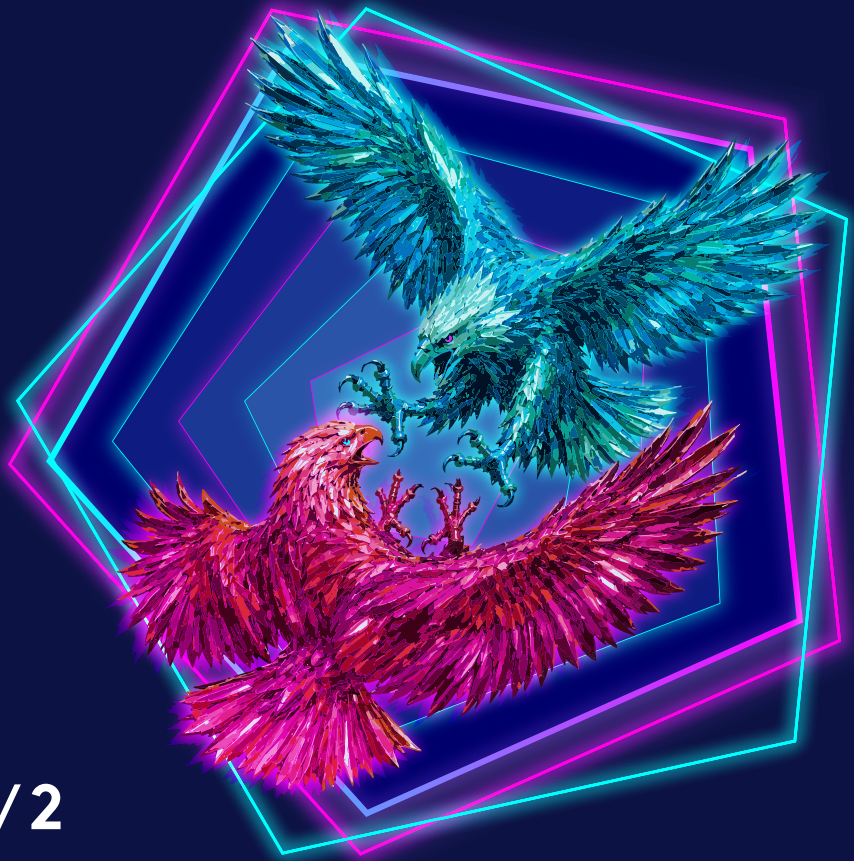
Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

Earth's warming climate is increasingly opening the Arctic for trade and defense. America owns just three polar icebreakers, though, creating an extraordinary vulnerability in the north. These modern icebreakers would fill the gap and are designed for high-scale manufacturing.





6

2/2

Satellite Cybersecurity Defense Platform

33% **5**
67% **3**
CAPABILITY

3K
DEFENSE JOBS

America's satellites form the backbone of its economy and its military. Foreign hackers are increasingly infiltrating them, siphoning data and gaining operational control in the worst cases. A new platform offers a much better model for embedded cyber defense.





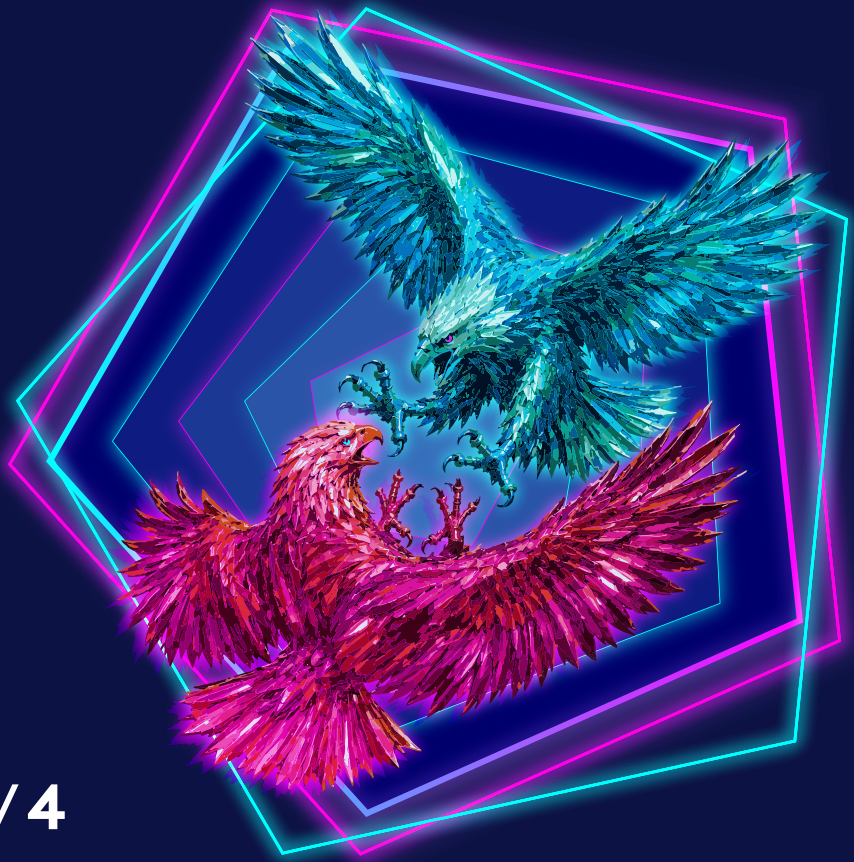
ML-Enabled Law Enforcement Fusion Cell

33% **7**
67% **4**
CAPABILITY

2K
DEFENSE JOBS

The number of domestic threats has skyrocketed, but law enforcement is not effectively coordinating its actions. This new software-enabled fusion cell would combine the best data sources and machine learning platforms to detect anomalous threats and neutralize them early.





Offensive Hybrid War Teams

20% **10**
80% **5**
CAPABILITY

2K
DEFENSE JOBS

The West's adversaries use hybrid war to sow chaos in the United States and Europe. But the West can do the same, puncturing the sense of stability that authoritarians crave. This project would fund hybrid war teams to undermine foreign regimes and incite new color revolutions.





Offensive Cyber Capabilities

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

America has made tremendous investments in cyber defense, but it is behind Russia and China in building up its offensive forces. Amid hybrid war, there is now urgency to close the gap by funding new offensive hacking capabilities.





Cybersecurity Legacy Upgrade

90% 5
10% 3
CAPABILITY

3K
DEFENSE JOBS

America's legacy defense infrastructure isn't going anywhere fast, even as cyber threats multiply. This upgrade would dedicate new resources and talent to protect these vital assets while they are still in active use.





Acoustic Subsea Cable Sensors

20% **7**
80% **4**
CAPABILITY

1K
DEFENSE JOBS

Subsea cables carry the bulk of the world's data, but their hair-thin fiber optics are easy to sabotage. A team of scientists has found a novel defense: using acoustic sensors inspired by whales to listen for critical damage.





Polar Minesweepers

75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

The opening of the Arctic has connected the polar nations, but has also led to new threats. Russia has recently started mining key straits, and the United States has no anti-mine forces based in the region. These new minesweepers would use leading technology to protect critical Arctic shipping lanes.

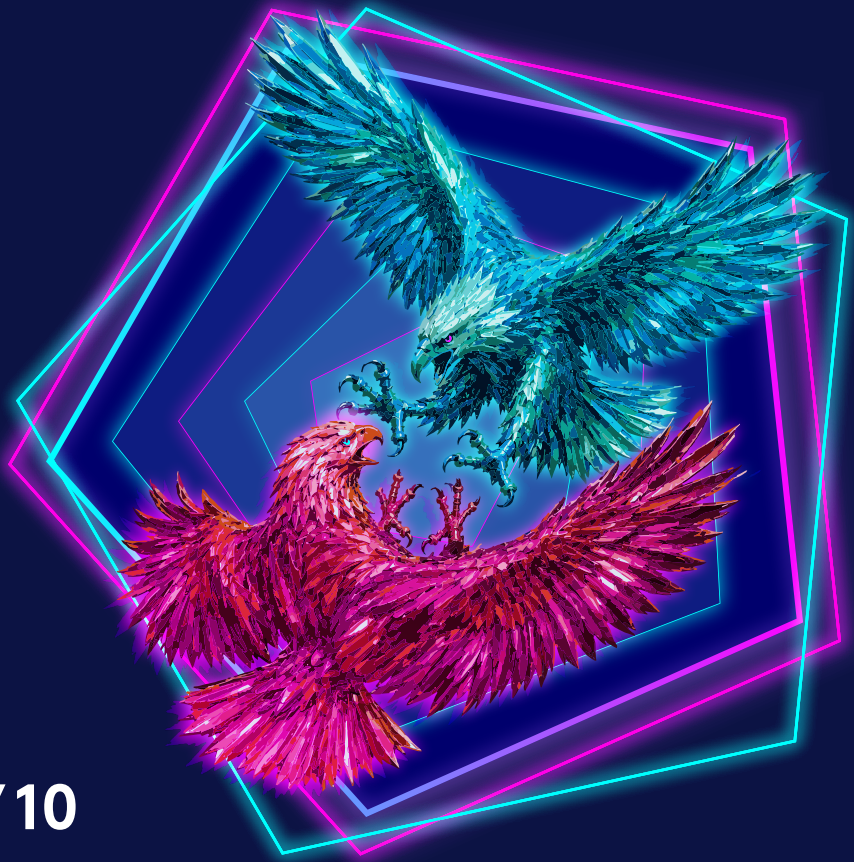


Anti-Satellite Assault Weapons

50% **7**
50% **4**
CAPABILITY

4K
DEFENSE JOBS

Russia trialed an anti-satellite weapon several years ago. As hybrid war intensifies, there is now a need for the United States to have a similar weapon to neutralize key Russian and Chinese assets and establish mutually assured destruction in outer space.



Polar Highly Elliptical Orbit Satellites

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

Due to their orbits, satellites that work near the equator provide less coverage near the poles. These new satellites would be placed in special orbits for high-latitude coverage and designed to handle challenges like charged-particle radiation to provide a more consistent view of the Arctic.



Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

The Cold War may have given way to a new hybrid war, but the equipment of the last fight is still in place. While there have been regular demands to replace these monitoring stations, they are in strategic locations and still perform adequately. New funding would keep them running for years to come.



Battlefield Edge Compute Engine

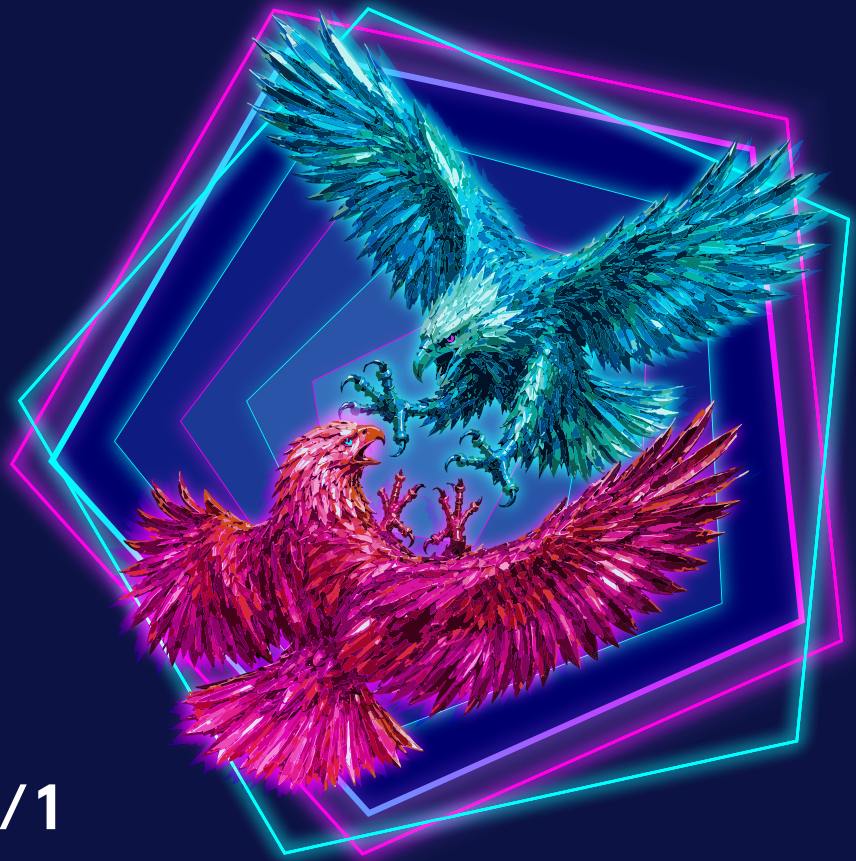
50% **7**
50% **4**
CAPABILITY

4K
DEFENSE JOBS

Warfighters increasingly orchestrate a variety of weapons systems while integrating data from dozens of sources. Contested comms have become a new domain of warfare, blocking the connectivity that powers these systems. This new software engine processes data locally, eliminating vulnerable uplinks.



Table **7** / Project **1**



7

2/1

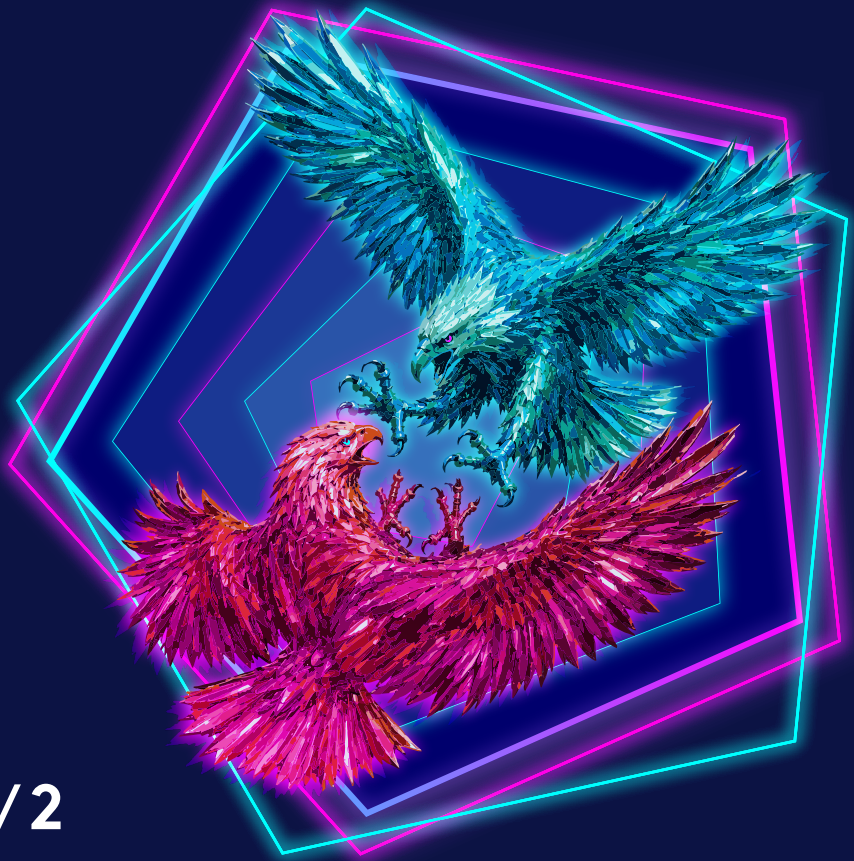
Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

Earth's warming climate is increasingly opening the Arctic for trade and defense. America owns just three polar icebreakers, though, creating an extraordinary vulnerability in the north. These modern icebreakers would fill the gap and are designed for high-scale manufacturing.





7

2/2

Satellite Cybersecurity Defense Platform

33% **5**
67% **3**
CAPABILITY

3K
DEFENSE JOBS

America's satellites form the backbone of its economy and its military. Foreign hackers are increasingly infiltrating them, siphoning data and gaining operational control in the worst cases. A new platform offers a much better model for embedded cyber defense.





ML-Enabled Law Enforcement Fusion Cell

33% **7**

67% **4**

CAPABILITY

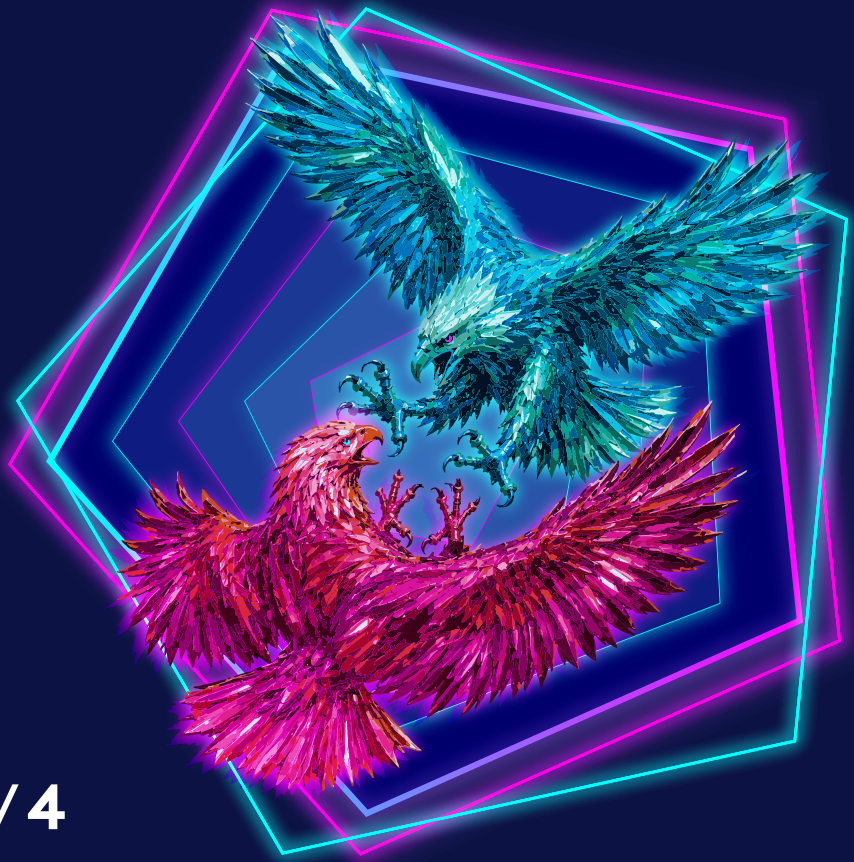
2K

DEFENSE JOBS

The number of domestic threats has skyrocketed, but law enforcement is not effectively coordinating its actions. This new software-enabled fusion cell would combine the best data sources and machine learning platforms to detect anomalous threats and neutralize them early.



Table **7** / Project **4**



7

2/4

Offensive Hybrid War Teams

20% **10**
80% **5**
CAPABILITY

2K
DEFENSE JOBS

The West's adversaries use hybrid war to sow chaos in the United States and Europe. But the West can do the same, puncturing the sense of stability that authoritarians crave. This project would fund hybrid war teams to undermine foreign regimes and incite new color revolutions.





Offensive Cyber Capabilities

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

America has made tremendous investments in cyber defense, but it is behind Russia and China in building up its offensive forces. Amid hybrid war, there is now urgency to close the gap by funding new offensive hacking capabilities.





Cybersecurity Legacy Upgrade

90% 5
10% 3
CAPABILITY

3K
DEFENSE JOBS

America's legacy defense infrastructure isn't going anywhere fast, even as cyber threats multiply. This upgrade would dedicate new resources and talent to protect these vital assets while they are still in active use.





Acoustic Subsea Cable Sensors

20% **7**

80% **4**

CAPABILITY

1K

DEFENSE JOBS

Subsea cables carry the bulk of the world's data, but their hair-thin fiber optics are easy to sabotage. A team of scientists has found a novel defense: using acoustic sensors inspired by whales to listen for critical damage.





Polar Minesweepers

75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

The opening of the Arctic has connected the polar nations, but has also led to new threats. Russia has recently started mining key straits, and the United States has no anti-mine forces based in the region. These new minesweepers would use leading technology to protect critical Arctic shipping lanes.

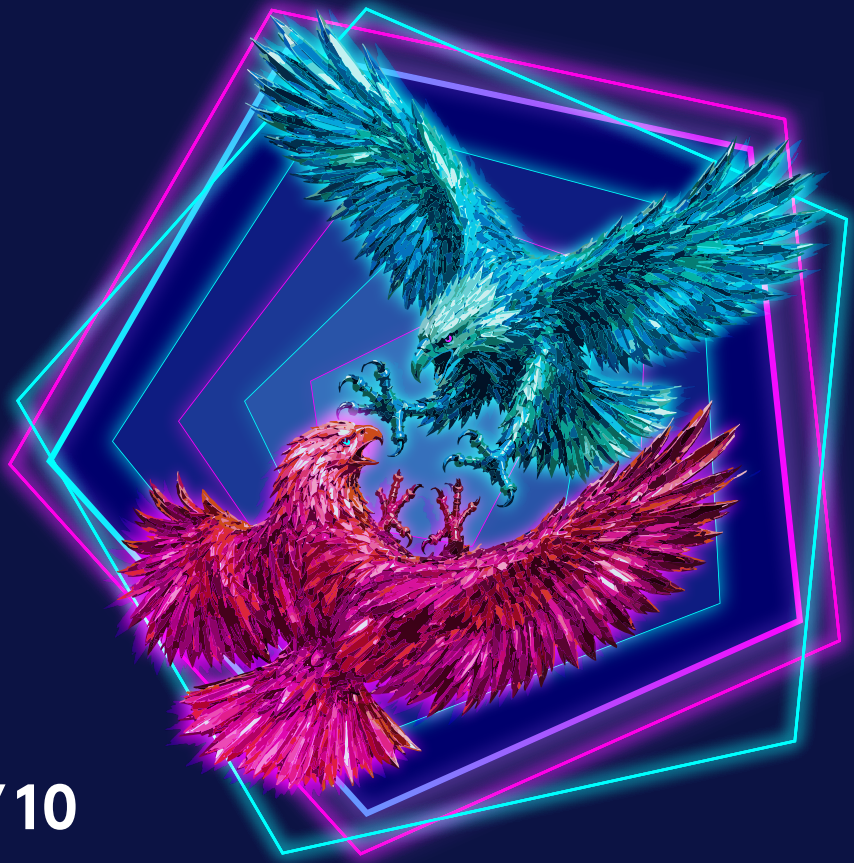


Anti-Satellite Assault Weapons

50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

Russia trialed an anti-satellite weapon several years ago. As hybrid war intensifies, there is now a need for the United States to have a similar weapon to neutralize key Russian and Chinese assets and establish mutually assured destruction in outer space.



Polar Highly Elliptical Orbit Satellites

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

Due to their orbits, satellites that work near the equator provide less coverage near the poles. These new satellites would be placed in special orbits for high-latitude coverage and designed to handle challenges like charged-particle radiation to provide a more consistent view of the Arctic.



Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

The Cold War may have given way to a new hybrid war, but the equipment of the last fight is still in place. While there have been regular demands to replace these monitoring stations, they are in strategic locations and still perform adequately. New funding would keep them running for years to come.



Battlefield Edge Compute Engine

50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

Warfighters increasingly orchestrate a variety of weapons systems while integrating data from dozens of sources. Contested comms have become a new domain of warfare, blocking the connectivity that powers these systems. This new software engine processes data locally, eliminating vulnerable uplinks.





8

2/1

Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

Earth's warming climate is increasingly opening the Arctic for trade and defense. America owns just three polar icebreakers, though, creating an extraordinary vulnerability in the north. These modern icebreakers would fill the gap and are designed for high-scale manufacturing.





8

2/2

Satellite Cybersecurity Defense Platform

33% **5**

67% **3**

CAPABILITY

3K

DEFENSE JOBS

America's satellites form the backbone of its economy and its military. Foreign hackers are increasingly infiltrating them, siphoning data and gaining operational control in the worst cases. A new platform offers a much better model for embedded cyber defense.





ML-Enabled Law Enforcement Fusion Cell

33% **7**

67% **4**

CAPABILITY

2K

DEFENSE JOBS

The number of domestic threats has skyrocketed, but law enforcement is not effectively coordinating its actions. This new software-enabled fusion cell would combine the best data sources and machine learning platforms to detect anomalous threats and neutralize them early.



Table **8** / Project **4**



8

2 / 4

Offensive Hybrid War Teams

20% **10**
80% **5**
CAPABILITY

2K
DEFENSE JOBS

The West's adversaries use hybrid war to sow chaos in the United States and Europe. But the West can do the same, puncturing the sense of stability that authoritarians crave. This project would fund hybrid war teams to undermine foreign regimes and incite new color revolutions.





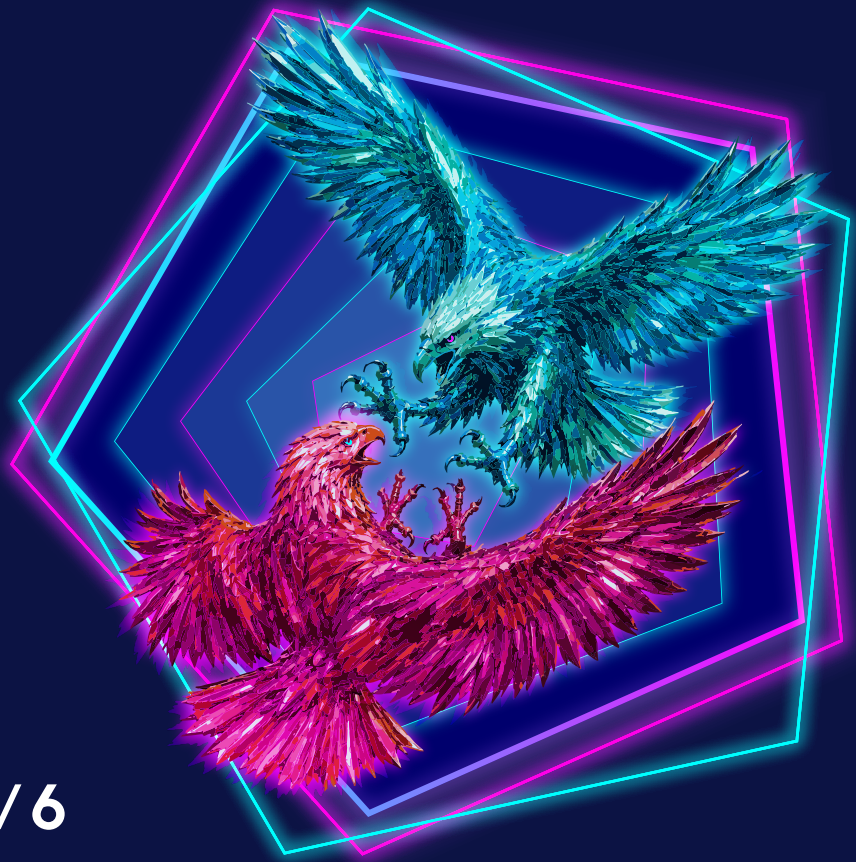
Offensive Cyber Capabilities

50% 5
50% 3
CAPABILITY

5K
DEFENSE JOBS

America has made tremendous investments in cyber defense, but it is behind Russia and China in building up its offensive forces. Amid hybrid war, there is now urgency to close the gap by funding new offensive hacking capabilities.





8

2 / 6

Cybersecurity Legacy Upgrade

90% 5
10% 3
CAPABILITY

3K
DEFENSE JOBS

America's legacy defense infrastructure isn't going anywhere fast, even as cyber threats multiply. This upgrade would dedicate new resources and talent to protect these vital assets while they are still in active use.





Acoustic Subsea Cable Sensors

20% **7**

80% **4**

CAPABILITY

1K

DEFENSE JOBS

Subsea cables carry the bulk of the world's data, but their hair-thin fiber optics are easy to sabotage. A team of scientists has found a novel defense: using acoustic sensors inspired by whales to listen for critical damage.



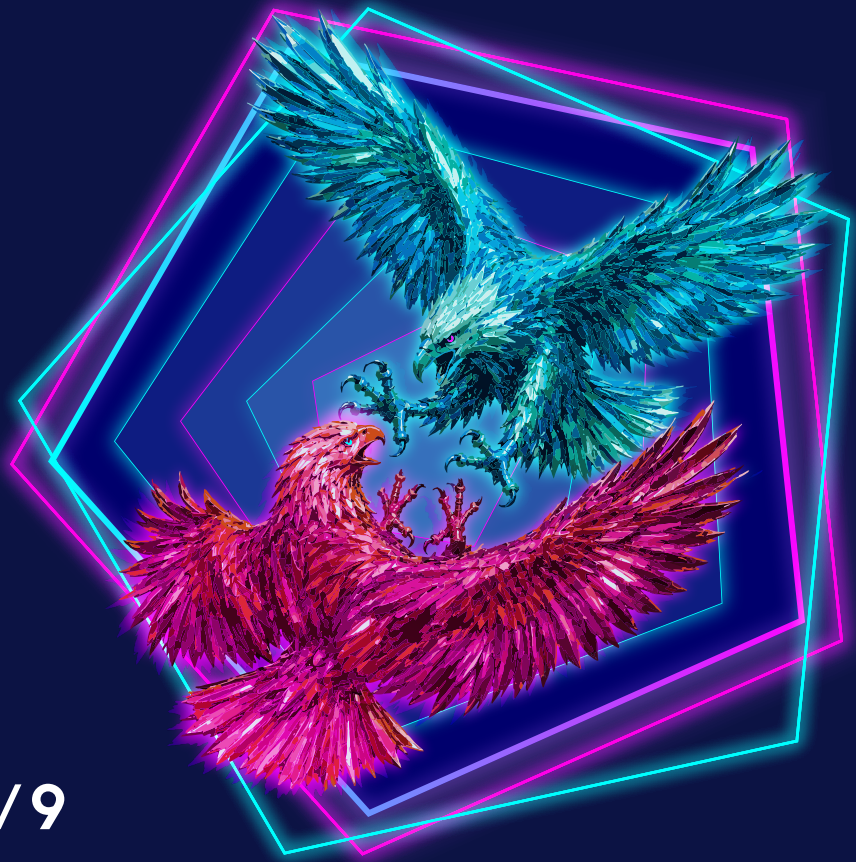


Polar Minesweepers

75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

The opening of the Arctic has connected the polar nations, but has also led to new threats. Russia has recently started mining key straits, and the United States has no anti-mine forces based in the region. These new minesweepers would use leading technology to protect critical Arctic shipping lanes.

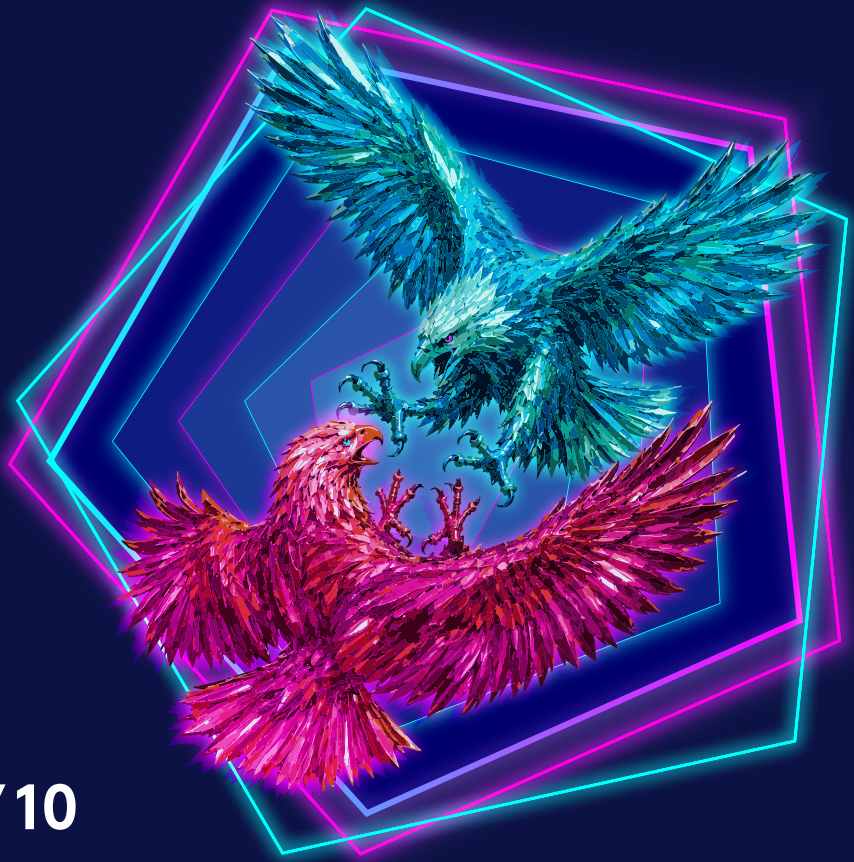


Anti-Satellite Assault Weapons

50% **7**
50% **4**
CAPABILITY

4K
DEFENSE JOBS

Russia trialed an anti-satellite weapon several years ago. As hybrid war intensifies, there is now a need for the United States to have a similar weapon to neutralize key Russian and Chinese assets and establish mutually assured destruction in outer space.

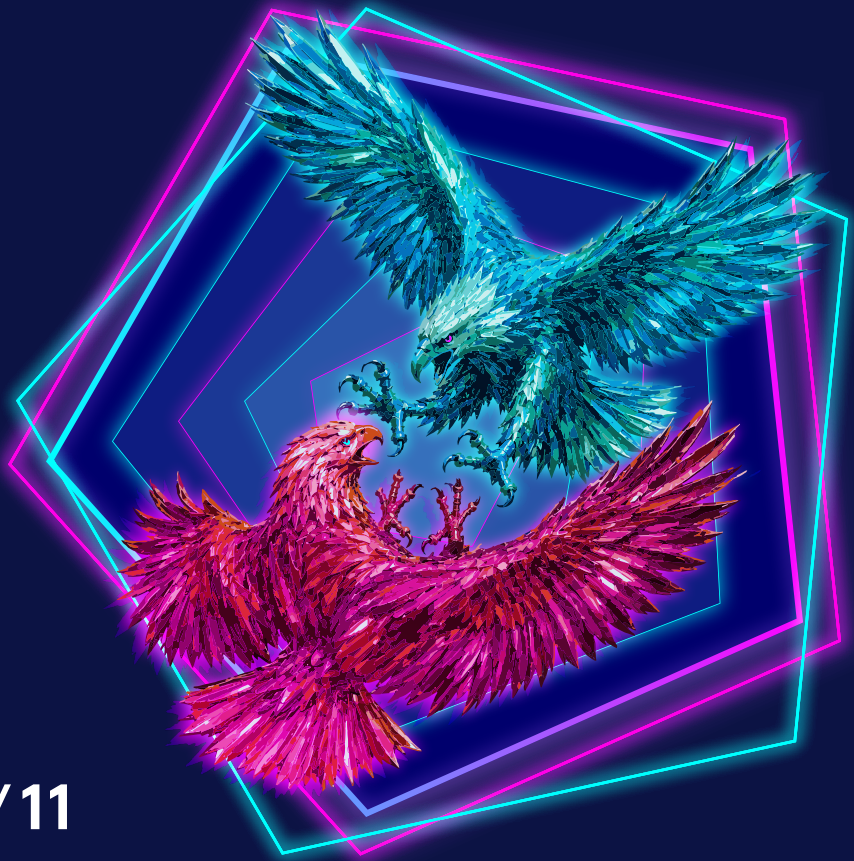


Polar Highly Elliptical Orbit Satellites

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

Due to their orbits, satellites that work near the equator provide less coverage near the poles. These new satellites would be placed in special orbits for high-latitude coverage and designed to handle challenges like charged-particle radiation to provide a more consistent view of the Arctic.



Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

The Cold War may have given way to a new hybrid war, but the equipment of the last fight is still in place. While there have been regular demands to replace these monitoring stations, they are in strategic locations and still perform adequately. New funding would keep them running for years to come.



Battlefield Edge Compute Engine

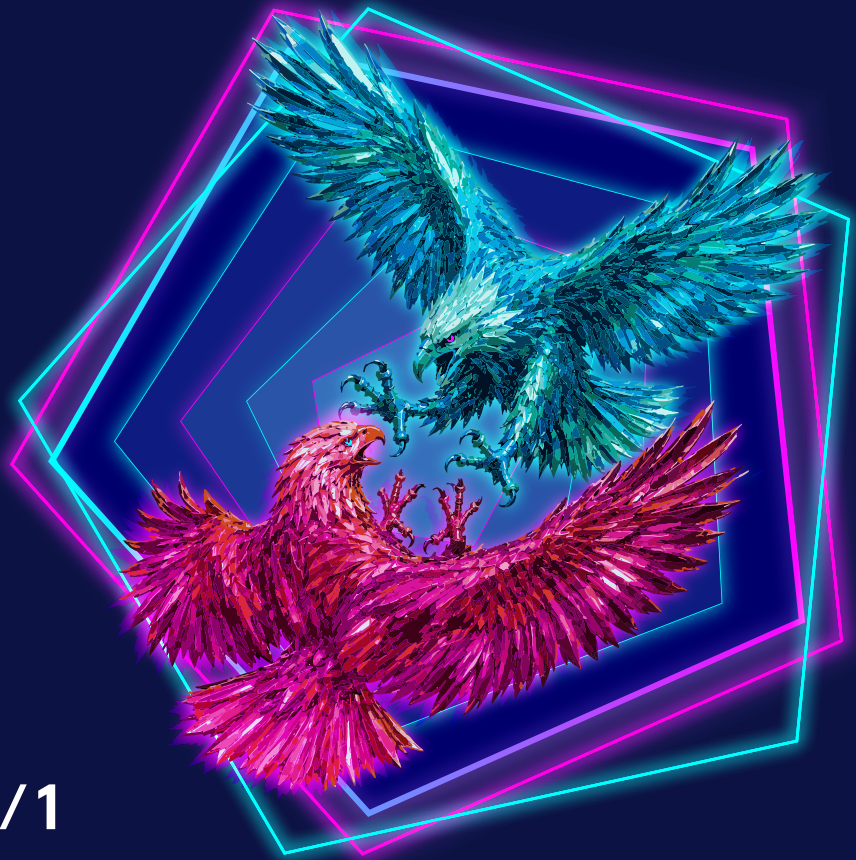
50% **7**
50% **4**
CAPABILITY

4K
DEFENSE JOBS

Warfighters increasingly orchestrate a variety of weapons systems while integrating data from dozens of sources. Contested comms have become a new domain of warfare, blocking the connectivity that powers these systems. This new software engine processes data locally, eliminating vulnerable uplinks.



Table **9** / Project **1**



9

2/1

Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

Earth's warming climate is increasingly opening the Arctic for trade and defense. America owns just three polar icebreakers, though, creating an extraordinary vulnerability in the north. These modern icebreakers would fill the gap and are designed for high-scale manufacturing.





9

2/2

Satellite Cybersecurity Defense Platform

33% **5**

67% **3**

CAPABILITY

3K

DEFENSE JOBS

America's satellites form the backbone of its economy and its military. Foreign hackers are increasingly infiltrating them, siphoning data and gaining operational control in the worst cases. A new platform offers a much better model for embedded cyber defense.





ML-Enabled Law Enforcement Fusion Cell

33% **7**

67% **4**

CAPABILITY

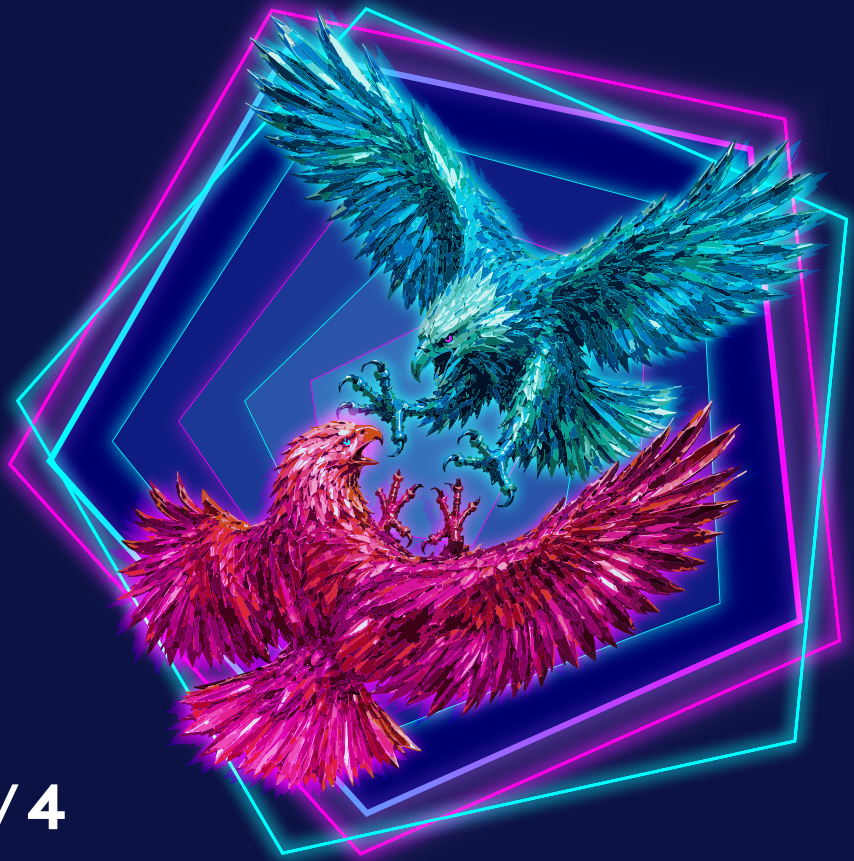
2K

DEFENSE JOBS

The number of domestic threats has skyrocketed, but law enforcement is not effectively coordinating its actions. This new software-enabled fusion cell would combine the best data sources and machine learning platforms to detect anomalous threats and neutralize them early.



Table **9** / Project **4**



Offensive Hybrid War Teams

20% **10**
80% **5**
CAPABILITY

2K
DEFENSE JOBS

The West's adversaries use hybrid war to sow chaos in the United States and Europe. But the West can do the same, puncturing the sense of stability that authoritarians crave. This project would fund hybrid war teams to undermine foreign regimes and incite new color revolutions.





Offensive Cyber Capabilities

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

America has made tremendous investments in cyber defense, but it is behind Russia and China in building up its offensive forces. Amid hybrid war, there is now urgency to close the gap by funding new offensive hacking capabilities.





9

2 / 6

Cybersecurity Legacy Upgrade

90% 5
10% 3
CAPABILITY

3K
DEFENSE JOBS

America's legacy defense infrastructure isn't going anywhere fast, even as cyber threats multiply. This upgrade would dedicate new resources and talent to protect these vital assets while they are still in active use.





Acoustic Subsea Cable Sensors

20% **7**

80% **4**

CAPABILITY

1K

DEFENSE JOBS

Subsea cables carry the bulk of the world's data, but their hair-thin fiber optics are easy to sabotage. A team of scientists has found a novel defense: using acoustic sensors inspired by whales to listen for critical damage.



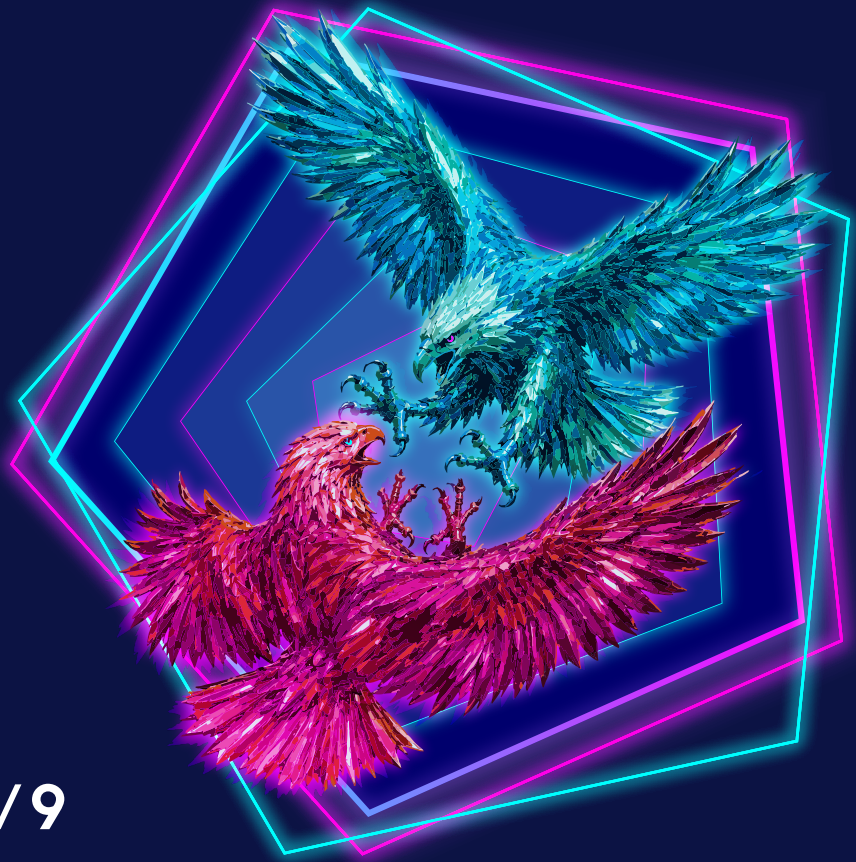


Polar Minesweepers

75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

The opening of the Arctic has connected the polar nations, but has also led to new threats. Russia has recently started mining key straits, and the United States has no anti-mine forces based in the region. These new minesweepers would use leading technology to protect critical Arctic shipping lanes.

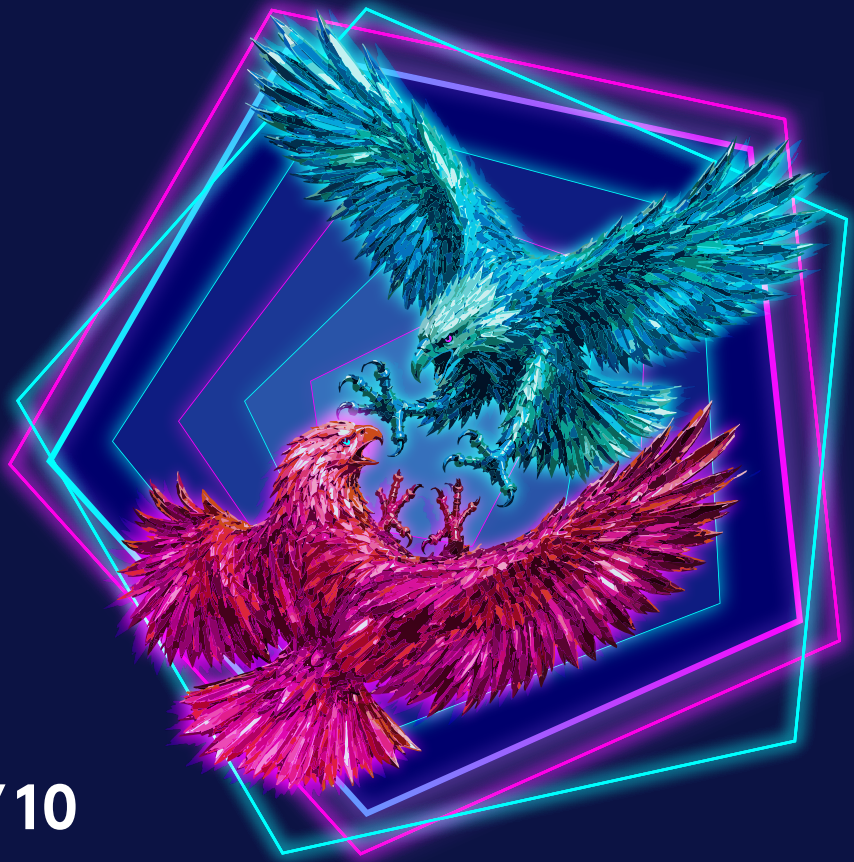


Anti-Satellite Assault Weapons

50% 7
50% 4
CAPABILITY

4K
DEFENSE JOBS

Russia trialed an anti-satellite weapon several years ago. As hybrid war intensifies, there is now a need for the United States to have a similar weapon to neutralize key Russian and Chinese assets and establish mutually assured destruction in outer space.



Polar Highly Elliptical Orbit Satellites

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

Due to their orbits, satellites that work near the equator provide less coverage near the poles. These new satellites would be placed in special orbits for high-latitude coverage and designed to handle challenges like charged-particle radiation to provide a more consistent view of the Arctic.



Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

The Cold War may have given way to a new hybrid war, but the equipment of the last fight is still in place. While there have been regular demands to replace these monitoring stations, they are in strategic locations and still perform adequately. New funding would keep them running for years to come.



Battlefield Edge Compute Engine

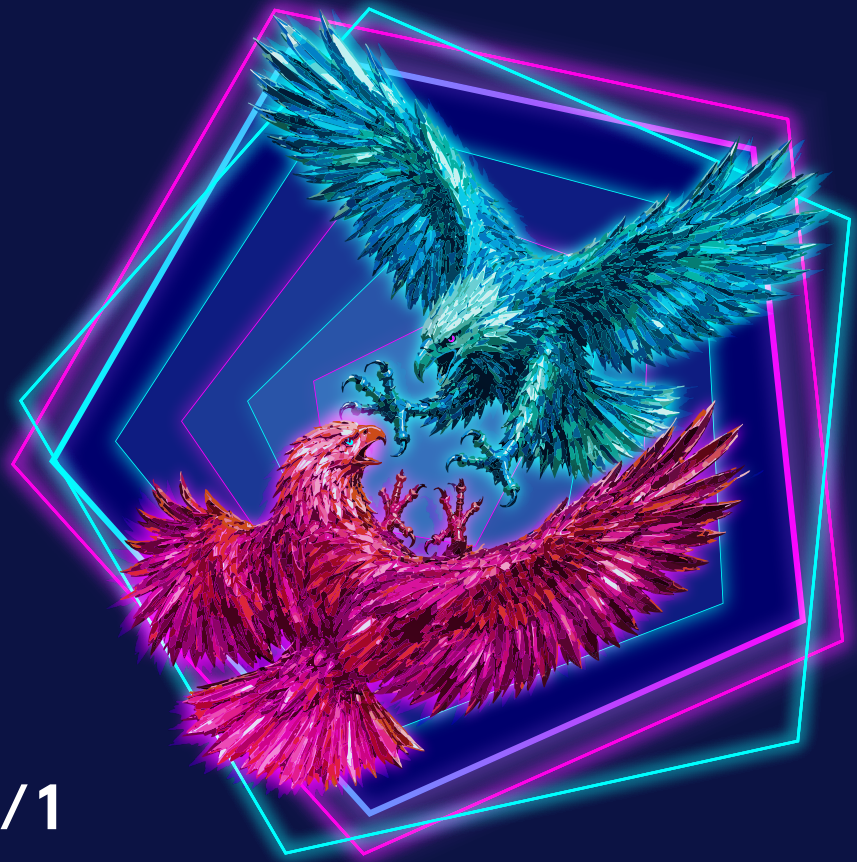
50% **7**
50% **4**
CAPABILITY

4K
DEFENSE JOBS

Warfighters increasingly orchestrate a variety of weapons systems while integrating data from dozens of sources. Contested comms have become a new domain of warfare, blocking the connectivity that powers these systems. This new software engine processes data locally, eliminating vulnerable uplinks.



Table **10** / Project **1**



10

2 / 1

Next-Generation Icebreakers

90% 7
10% 4
CAPABILITY

15K
DEFENSE JOBS

Earth's warming climate is increasingly opening the Arctic for trade and defense. America owns just three polar icebreakers, though, creating an extraordinary vulnerability in the north. These modern icebreakers would fill the gap and are designed for high-scale manufacturing.





10

2 / 2

Satellite Cybersecurity Defense Platform

33% **5**

67% **3**

CAPABILITY

3K

DEFENSE JOBS

America's satellites form the backbone of its economy and its military. Foreign hackers are increasingly infiltrating them, siphoning data and gaining operational control in the worst cases. A new platform offers a much better model for embedded cyber defense.





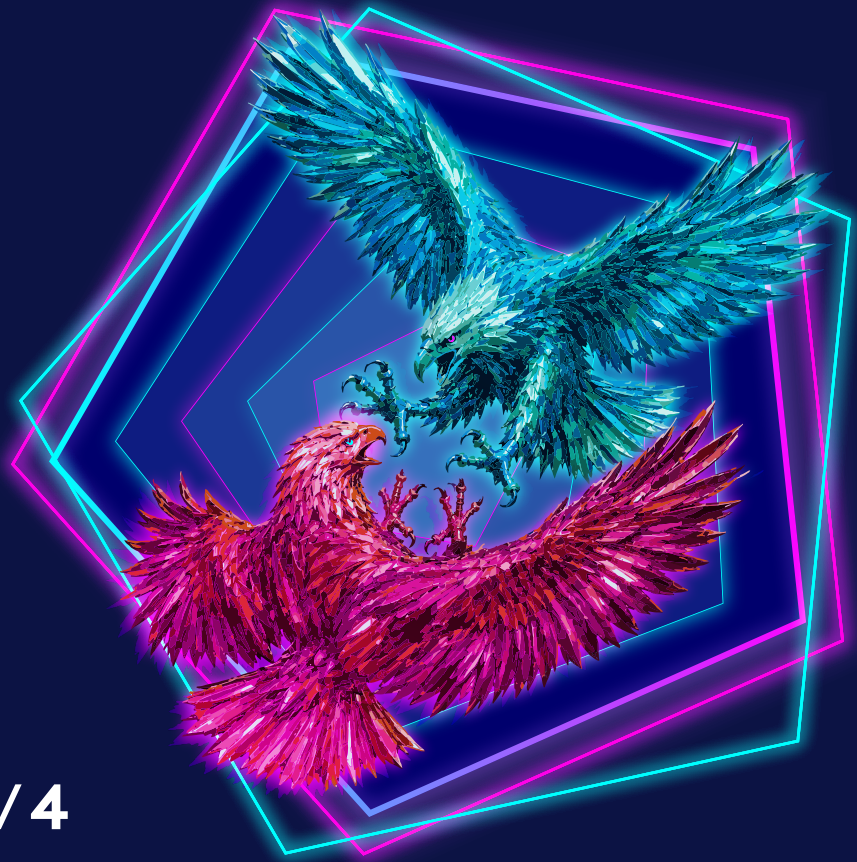
ML-Enabled Law Enforcement Fusion Cell

33% **7**
67% **4**
CAPABILITY

2K
DEFENSE JOBS

The number of domestic threats has skyrocketed, but law enforcement is not effectively coordinating its actions. This new software-enabled fusion cell would combine the best data sources and machine learning platforms to detect anomalous threats and neutralize them early.





10

2 / 4

Offensive Hybrid War Teams

20% **10**
80% **5**
CAPABILITY

2K
DEFENSE JOBS

The West's adversaries use hybrid war to sow chaos in the United States and Europe. But the West can do the same, puncturing the sense of stability that authoritarians crave. This project would fund hybrid war teams to undermine foreign regimes and incite new color revolutions.



Table **10** / Project **5**



10

2 / 5

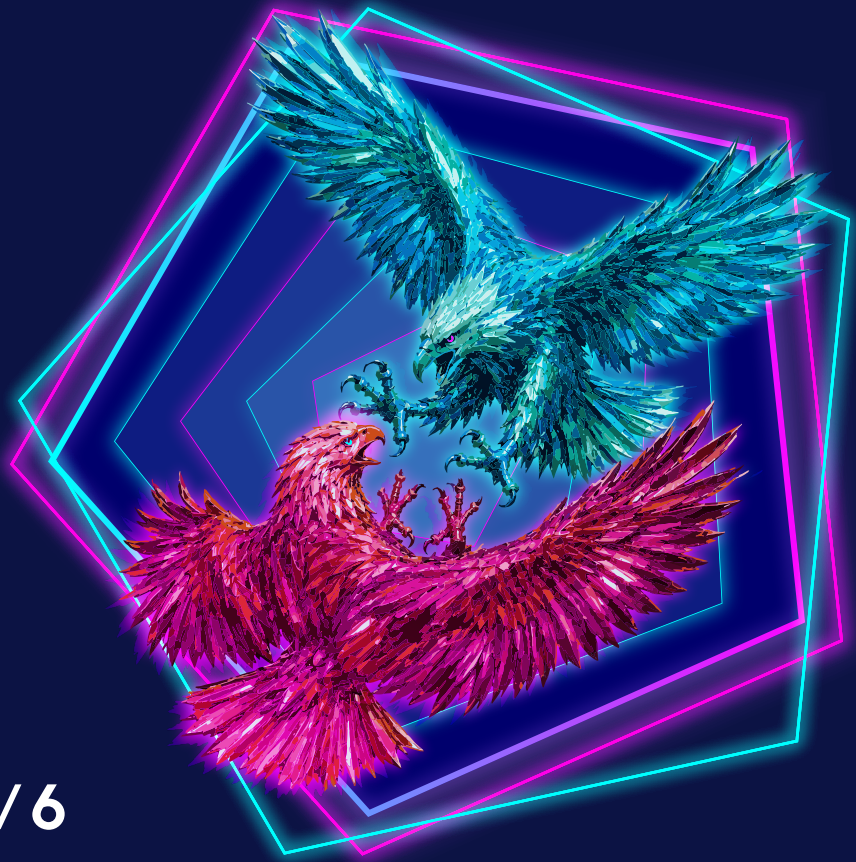
Offensive Cyber Capabilities

50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

America has made tremendous investments in cyber defense, but it is behind Russia and China in building up its offensive forces. Amid hybrid war, there is now urgency to close the gap by funding new offensive hacking capabilities.





Cybersecurity Legacy Upgrade

90% 5
10% 3
CAPABILITY

3K
DEFENSE JOBS

America's legacy defense infrastructure isn't going anywhere fast, even as cyber threats multiply. This upgrade would dedicate new resources and talent to protect these vital assets while they are still in active use.





10

2 / 7

Acoustic Subsea Cable Sensors

20% **7**

80% **4**

CAPABILITY

1K

DEFENSE JOBS

Subsea cables carry the bulk of the world's data, but their hair-thin fiber optics are easy to sabotage. A team of scientists has found a novel defense: using acoustic sensors inspired by whales to listen for critical damage.





Polar Minesweepers

75% **7**
25% **4**
CAPABILITY

7K
DEFENSE JOBS

The opening of the Arctic has connected the polar nations, but has also led to new threats. Russia has recently started mining key straits, and the United States has no anti-mine forces based in the region. These new minesweepers would use leading technology to protect critical Arctic shipping lanes.



10

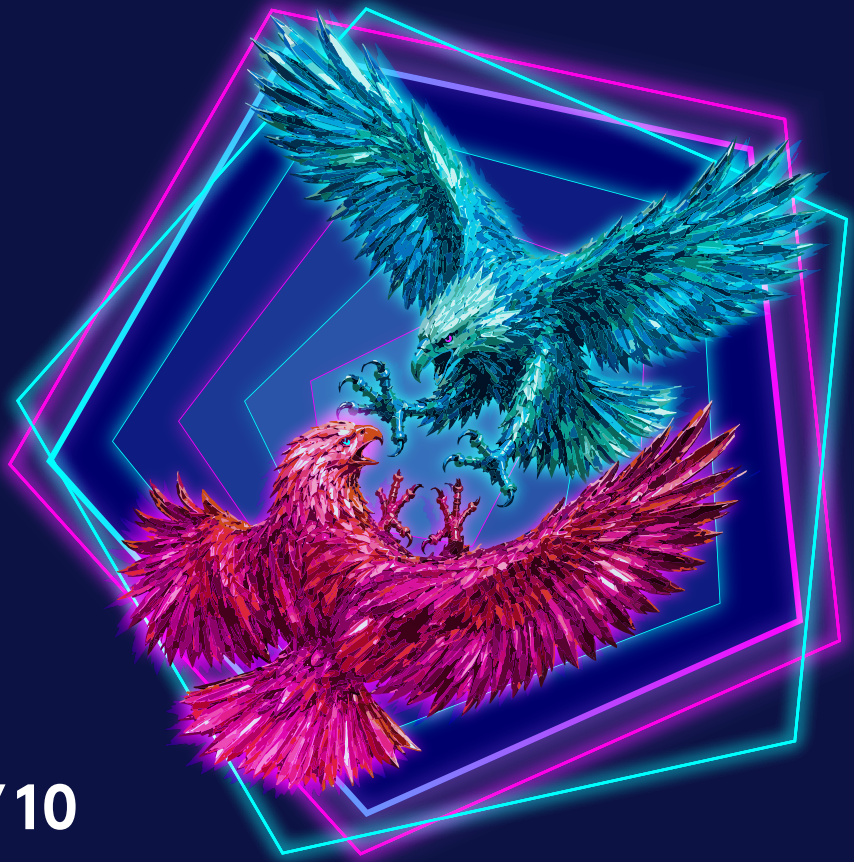
2 / 9

Anti-Satellite Assault Weapons

50% **7**
50% **4**
CAPABILITY

4K
DEFENSE JOBS

Russia trialed an anti-satellite weapon several years ago. As hybrid war intensifies, there is now a need for the United States to have a similar weapon to neutralize key Russian and Chinese assets and establish mutually assured destruction in outer space.



Polar Highly Elliptical Orbit Satellites



50% **5**
50% **3**
CAPABILITY

5K
DEFENSE JOBS

Due to their orbits, satellites that work near the equator provide less coverage near the poles. These new satellites would be placed in special orbits for high-latitude coverage and designed to handle challenges like charged-particle radiation to provide a more consistent view of the Arctic.



Legacy Ground Station Monitoring

90% 3
10% 2
CAPABILITY

6K
DEFENSE JOBS

The Cold War may have given way to a new hybrid war, but the equipment of the last fight is still in place. While there have been regular demands to replace these monitoring stations, they are in strategic locations and still perform adequately. New funding would keep them running for years to come.

