Advanced Development for Security Applications Workshop

Customs and Border Protection (ADSA-CBP-01)

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Science and Technology

Who

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Why

The first CBP/DHS Workshop

To address the CBP operational environment

To define complex problem areas for port security

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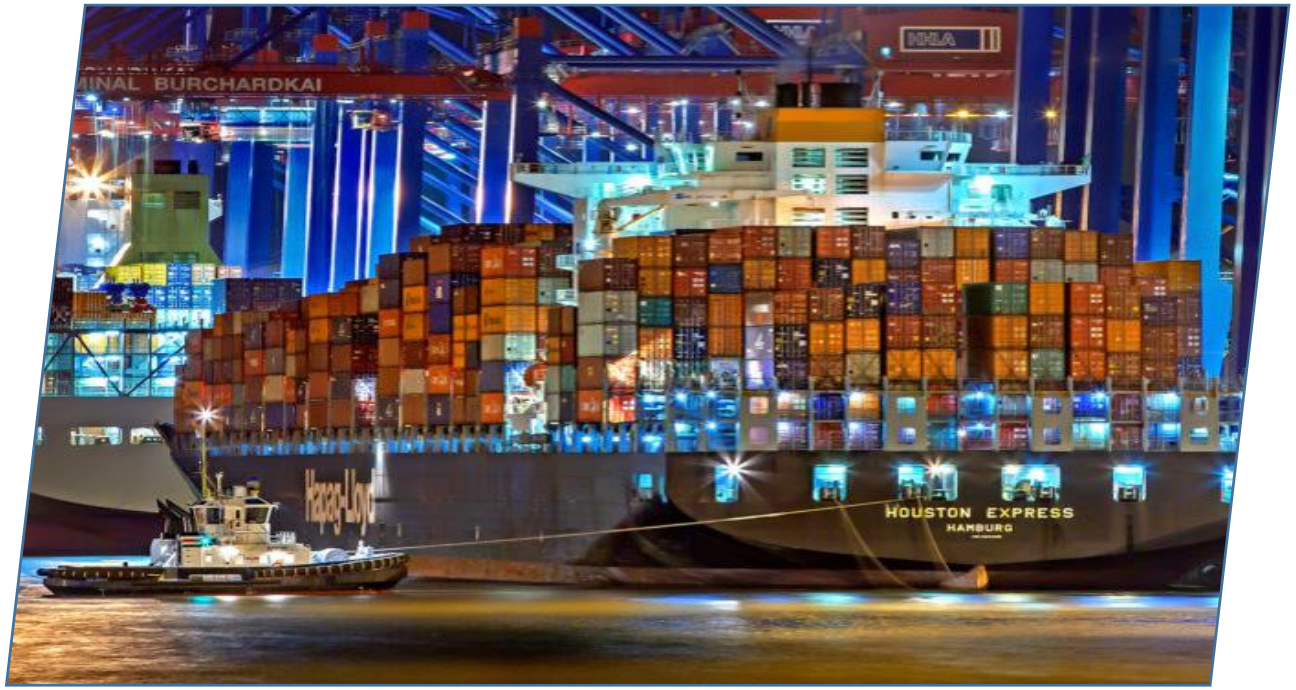
The Importance of Technology Innovation

In order to keep up with the changing shipping industry CBP must continue to leverage technology to protect the security and integrity of our borders



- Advancement in cargo handling – Unmanned Terminals
- Increases in cargo volume and concentration – ship TEU capacity; cargo volume increasing worldwide
- Changing this world with emergent technology will change our world

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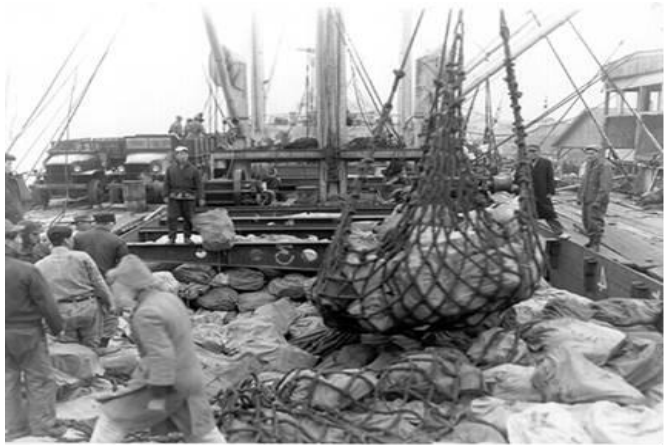
Timeline of Technology

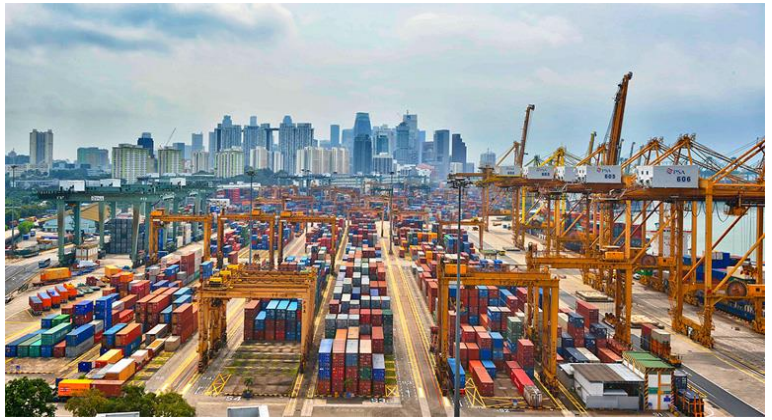
We need to catalyze technological change in cargo to enable a future state that is more secure, reliable, and efficient

Past



- ✓ Slow Cargo movement 50 years ago
- ✓ Primarily physical security inspections

Present



- ✓ Faster Cargo movement today
- ✓ Paper and digital Information
- ✓ Non-intrusive inspection

Future

- Very fast cargo movement
- Block chain provides trusted digitized trade documents
- Autonomous Vehicles

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Objectives of the Workshop

- Discuss key problem areas
- Discuss current technology and potential improvements
- Brainstorm future state of cargo security
- Identify future technology concepts

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Closing Thoughts

“ Discovery consists of seeing what everybody has seen and thinking what nobody has thought”

Albert Szent Gyorgi Nobel Prize Winner