



Use of U.S. DoD visual information does not imply or constitute DoD endorsement.



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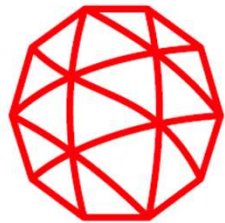
Application of CT Scanning to CBP

JULY 18, 2019

Ian McNaughton

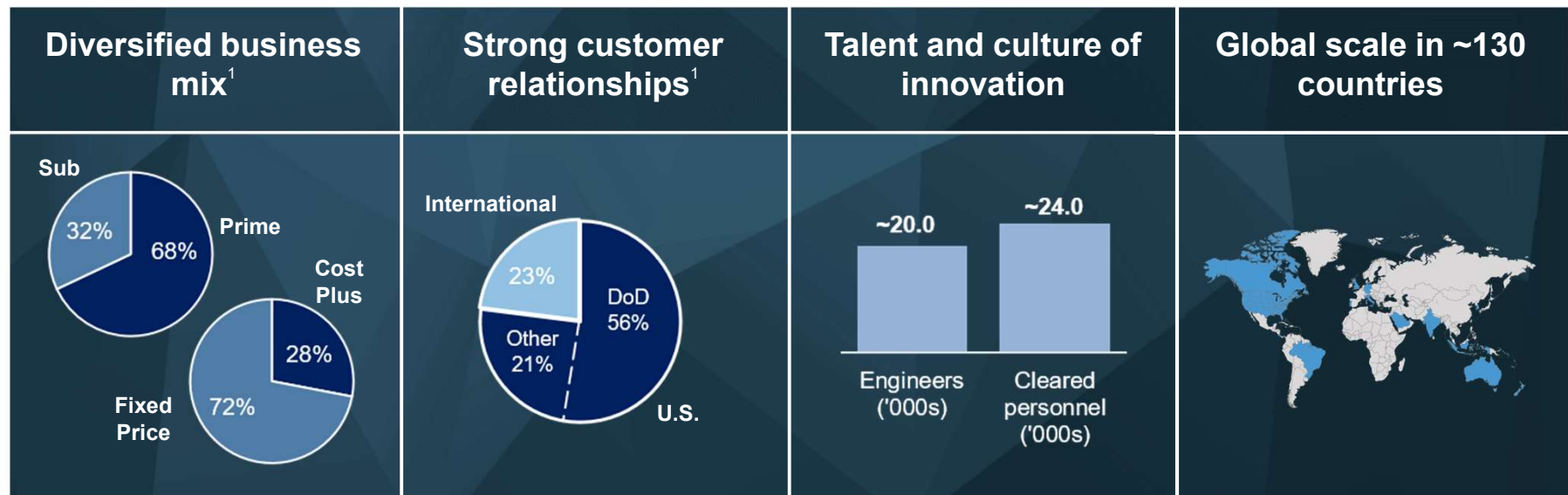
Director of North American Sales

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs.



¹ CY18 financials. ² EBIT excluding discontinued operations is defined as net income plus interest expense and income taxes. ³ Net cash from continued operations less net capex

Advantages of CT Technology to CBP

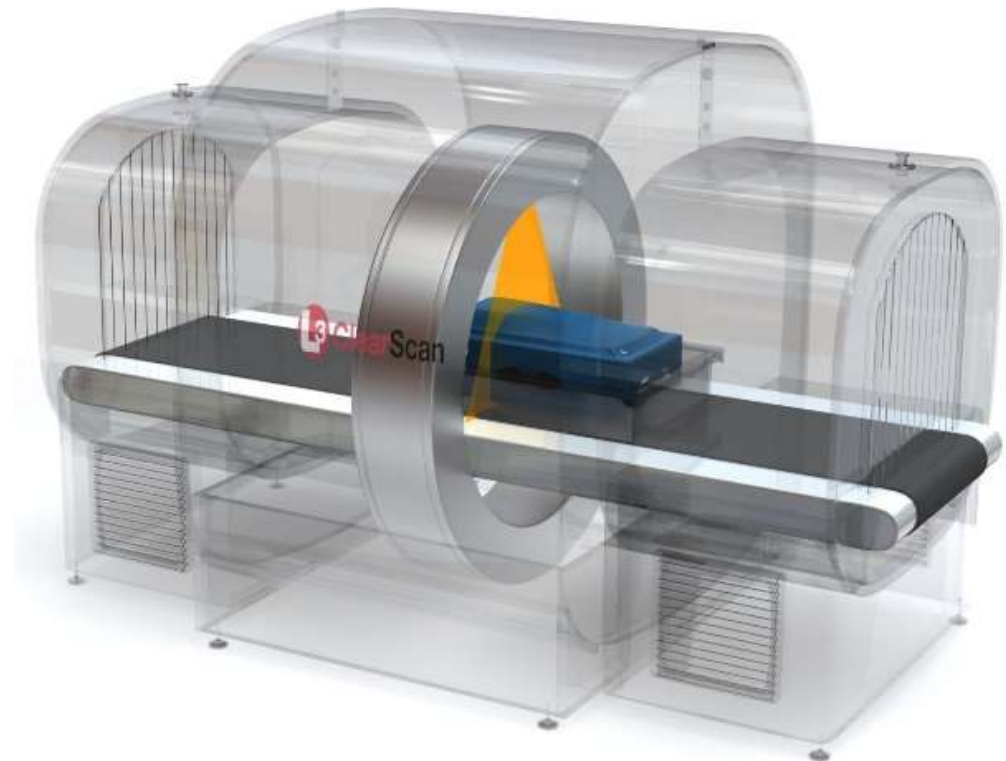


- Space: Application of CT Scanning to CBP (Small Packages)
- Problem: influx of Narcotics, Opioids Contraband, Weapons through the mail
- Solution: Utilize CT Scanning to maximize the intervention potential.
- Results:
 - No such thing as 100% detection – Through the use of CT Scanning Technology we may be able to increase the percentage of contraband intercepted.
- Contact me for more info (ian.mcnaughton@l3harris.com, 613-292-3669)

L3Harris ClearScan Checkpoint CT



- Integrated aviation checkpoint security solution
- Eliminates divesting and re-vesting of liquids and electronics
- Explosive Detection
 - ECAC-EU C3 Standard Approved
 - ECAC-EU D/D+ Std 2 Qualified
 - TSA AT-2 Tier II certified



Advantages of CT Technology to CBP



- High Resolution Dual Energy 3D and 2D Images
- Totally different from conventional x-ray – single view and dual view 2D images
- The rotating gantry provides 1152 views (Full dimensional shape)
- Removal of Clutter
 - Easier for operator evaluation and detection
- Enhanced material discrimination
- High Pd and low PfA (currently for explosive detection)

Enhanced CT technology



- Enhanced 3D Tools
 - Harder to hide and shield items in a package
- Laptop Removal Software
 - Harder to hide and shield items in a package
- Enhanced Weapons Detection

Advantages of CT Technology



- Enhanced Algorithms
 - Explosives (Currently available)
 - Weapons (Already have real-time algorithm with strong detection capability)
 - Currency (Roadmap) – previously utilized on our AT technology
 - Narcotics (Roadmap)

Challenges/Barriers of CT Technology



- Little experience with automatic narcotics detection
- Lack of access to a large quantities of narcotics/simulants
 - Required to build a training library for algorithm development
- Need to understand the complete portfolio of items to be screened through a CT.
 - Low weight items would require the redesign of the current curtain configuration.