NEURAL GUARD

AI-POWERED AUTOMATED THREAT DETECTION

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X-RAY SCREENING CHALLENGES - WITHOUT EYEFOX

Low throughput
150 passengers/hour

Limited integration options
Due to manual operation

High risk
Low detection rate,
High false alarm rate

High OPEX
1 security employee =
$50k/year

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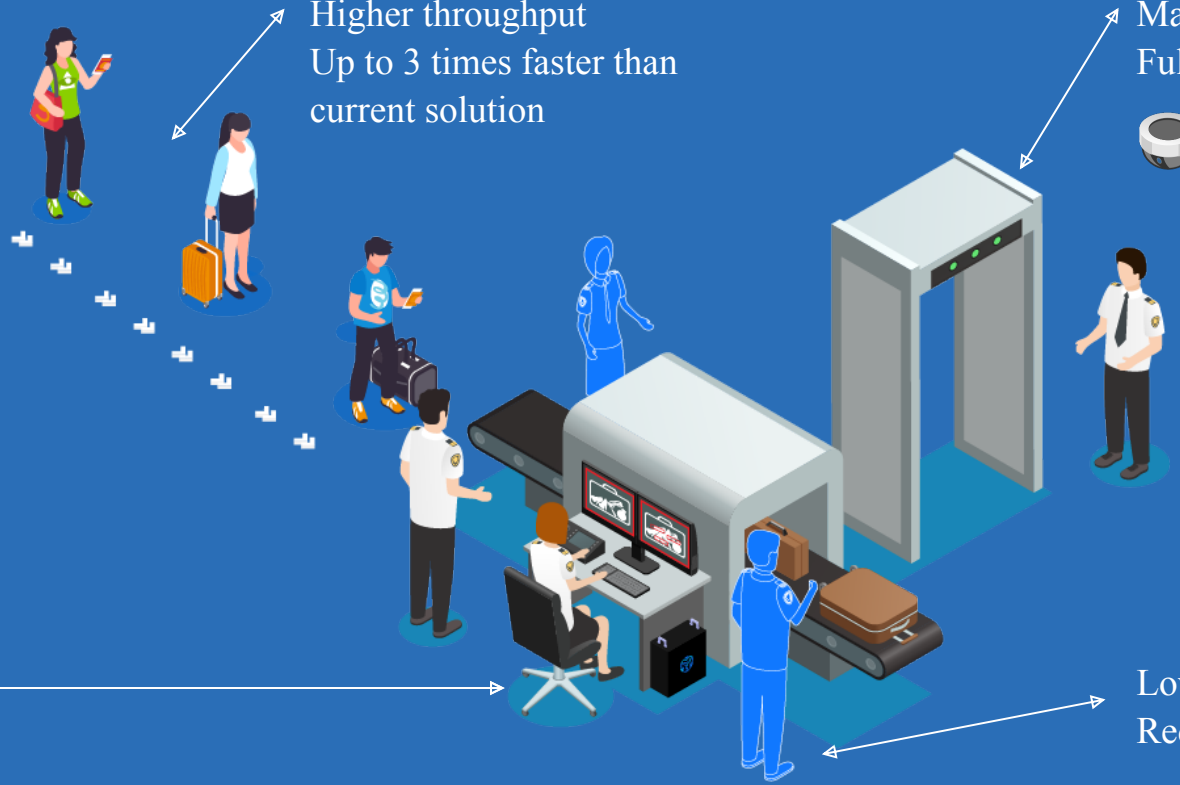
X-RAY SCREENING – WITH EYEFOX

Higher throughput
Up to 3 times faster than current solution



Many integration options
Fully automated solution

Lower Risk
90% detection, 5% false alarm

Lower OPEX
Reduction of up to 75%

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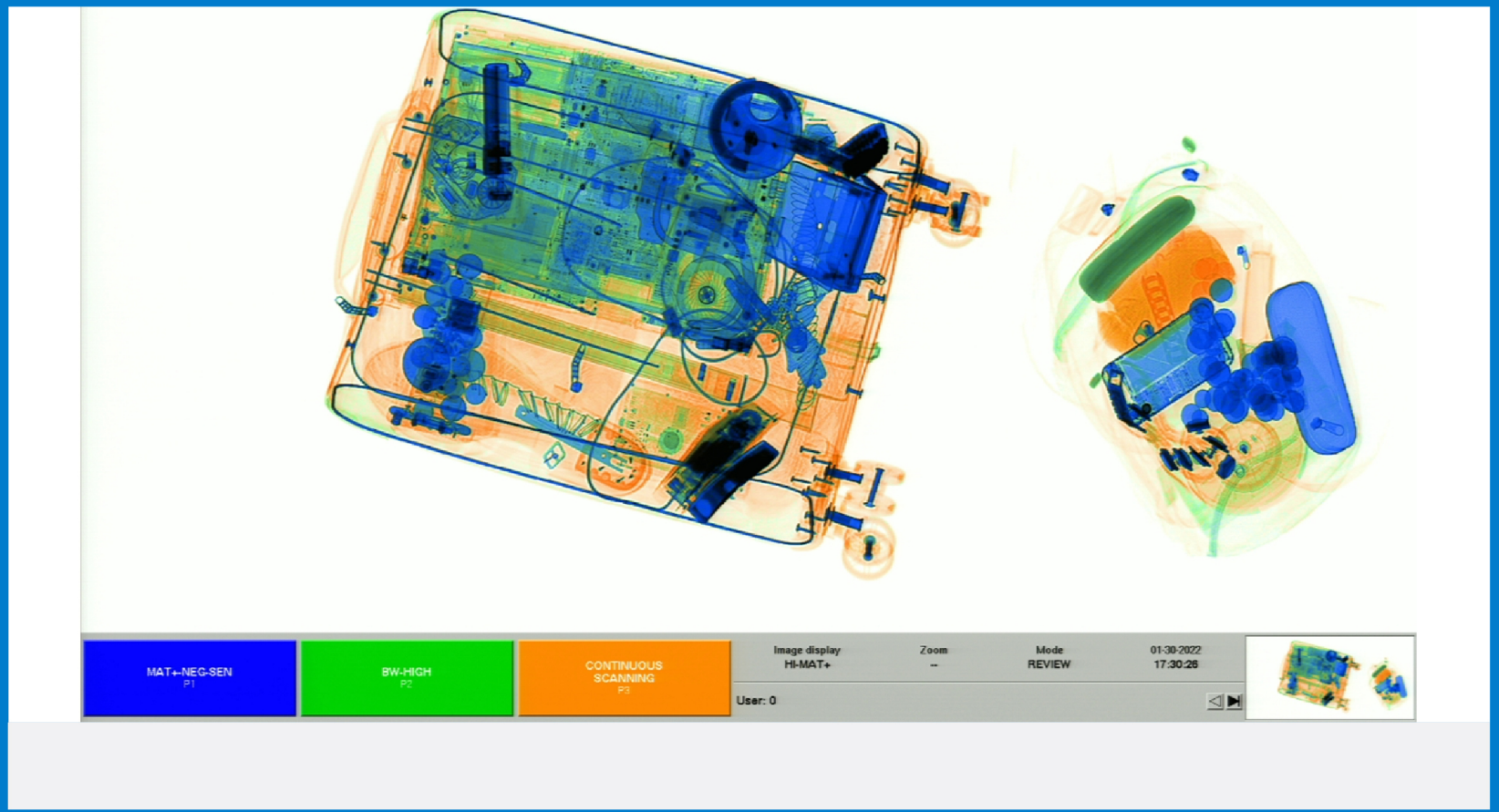
DETECTING THREATS - WITHOUT EYEFOX

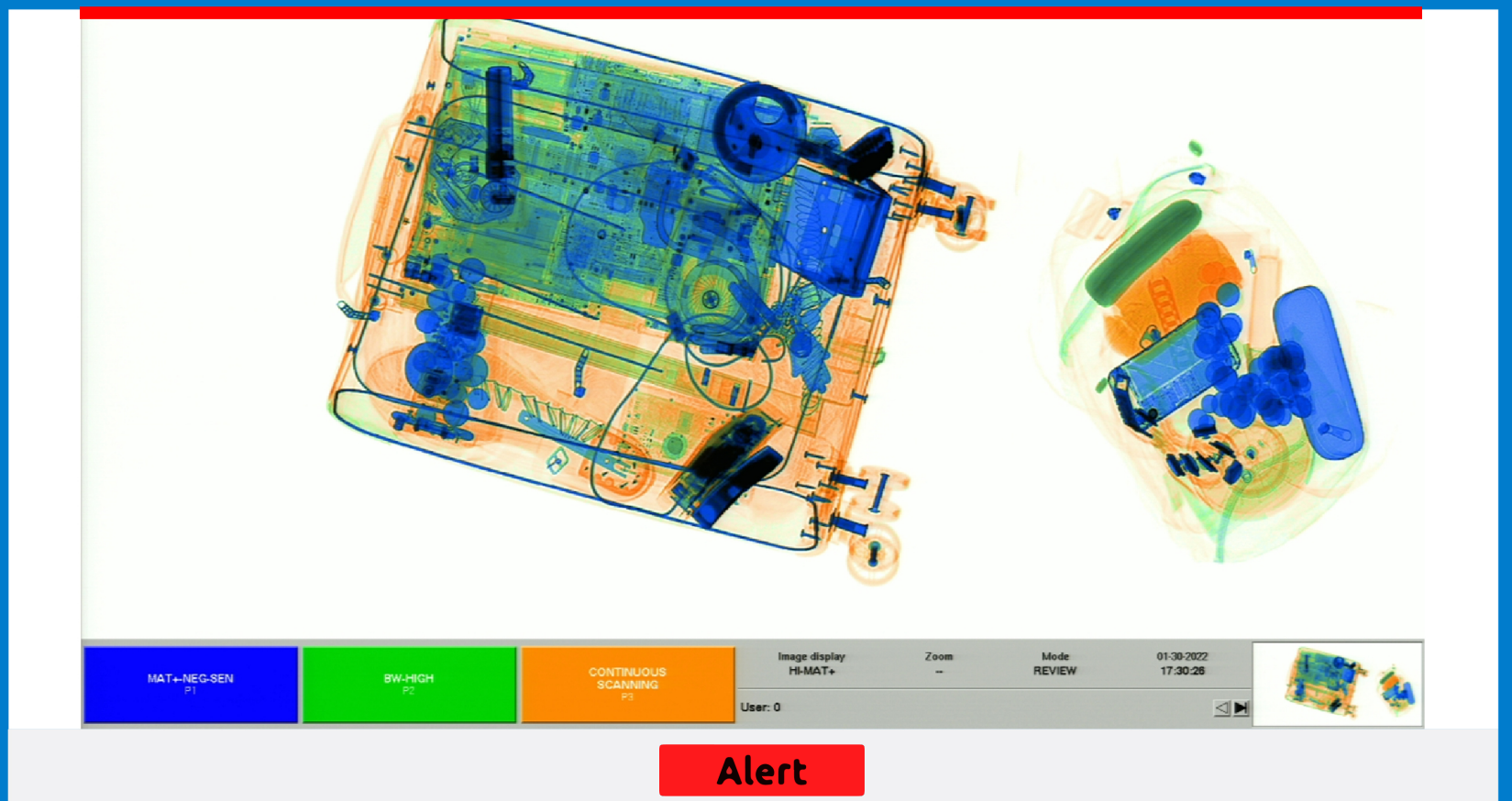
Can you spot all the threats?

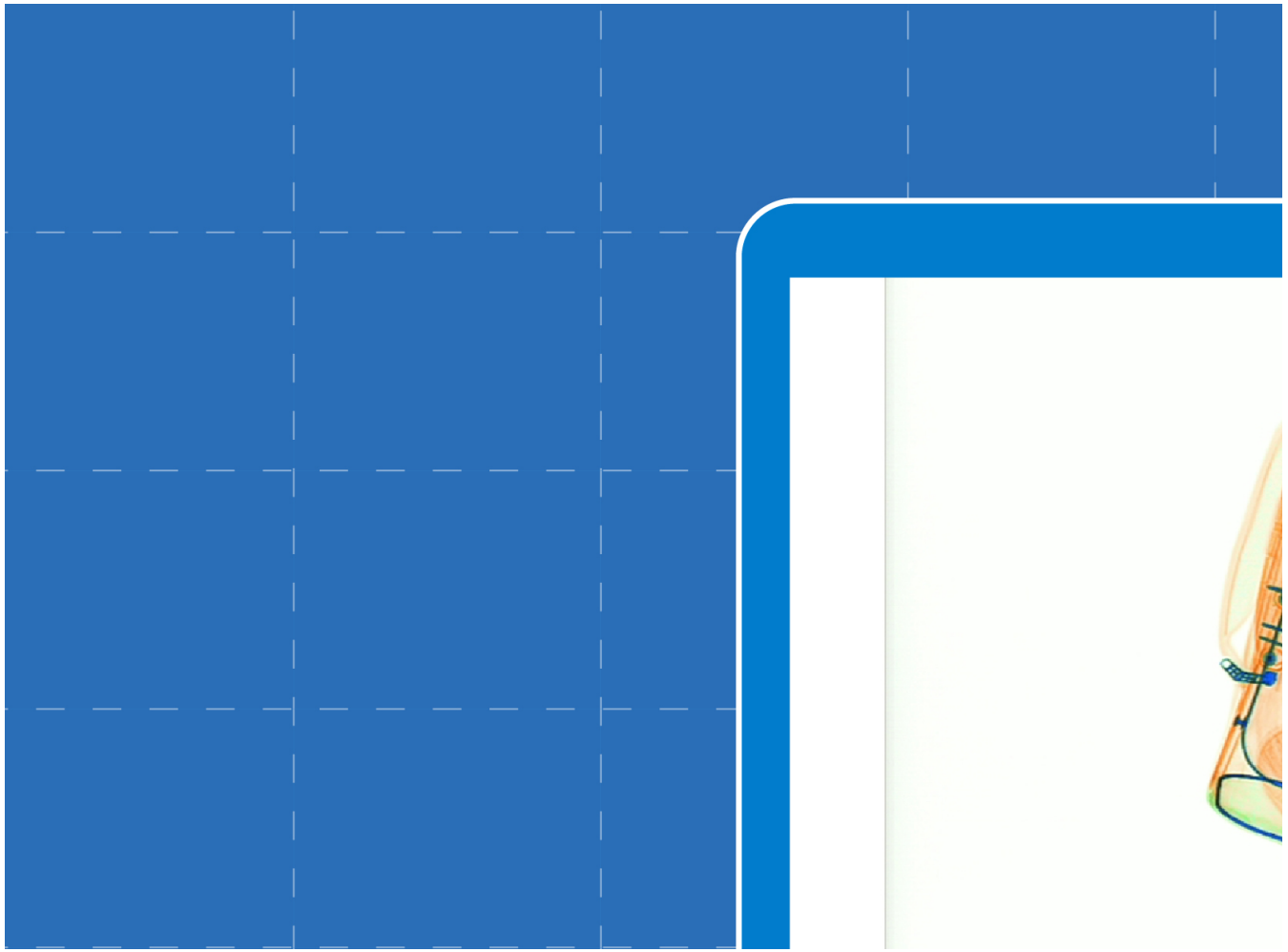
The bag contains a disassembled handgun and an electric-shock weapon

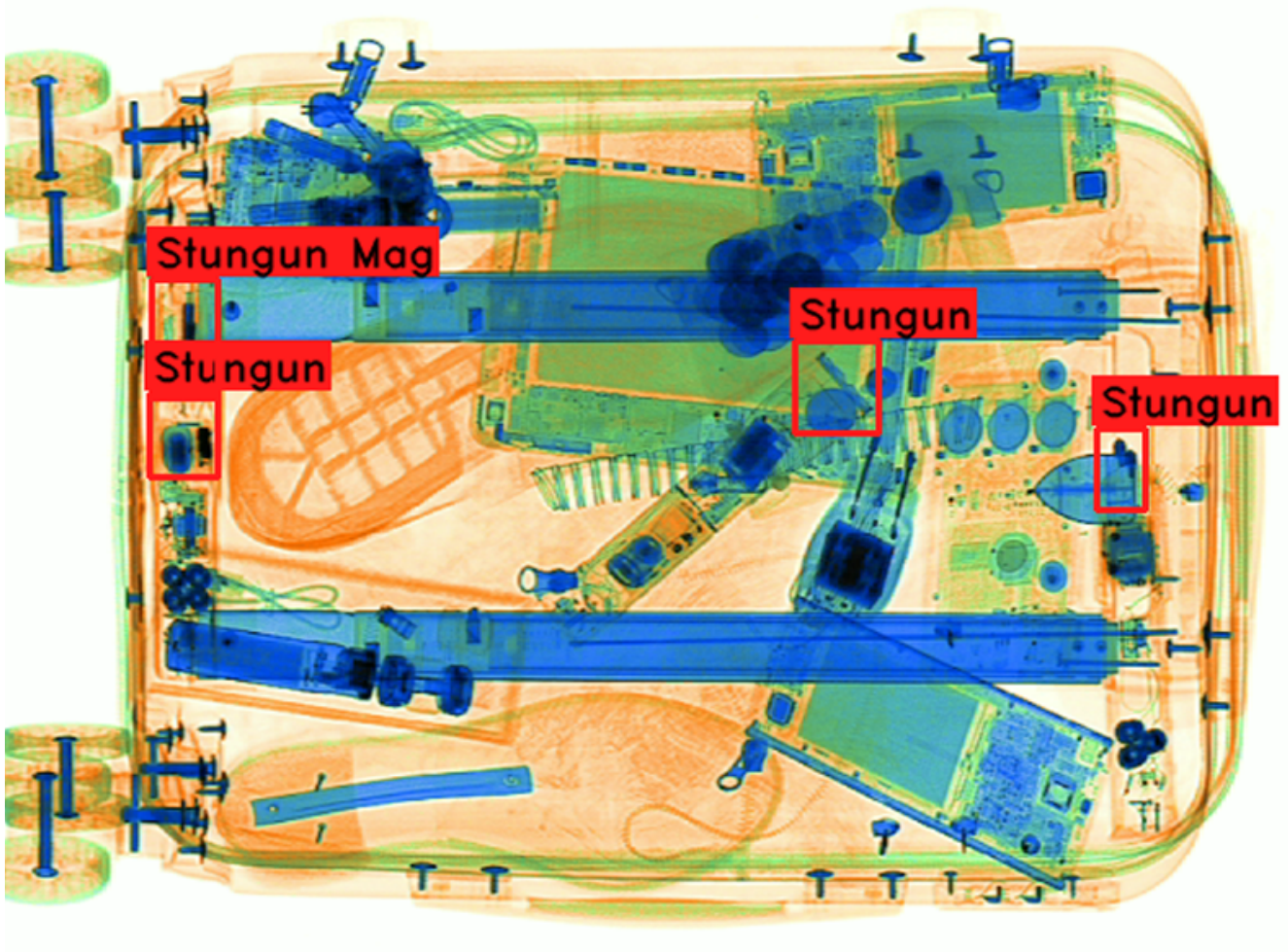


Detecting Threats - With EYEFOX

Sub-second detection of difficult-to-spot threats, even behind a laptop







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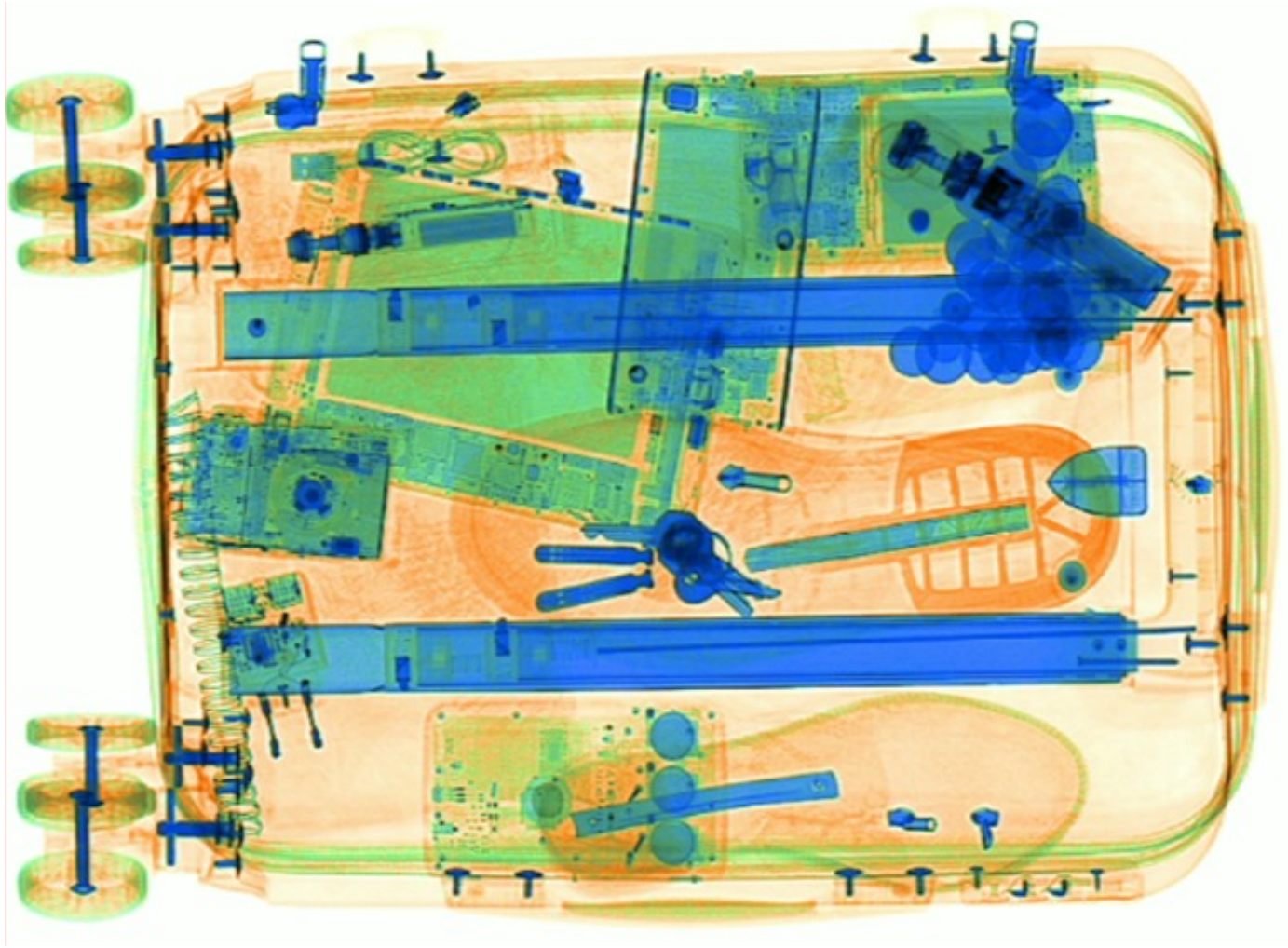

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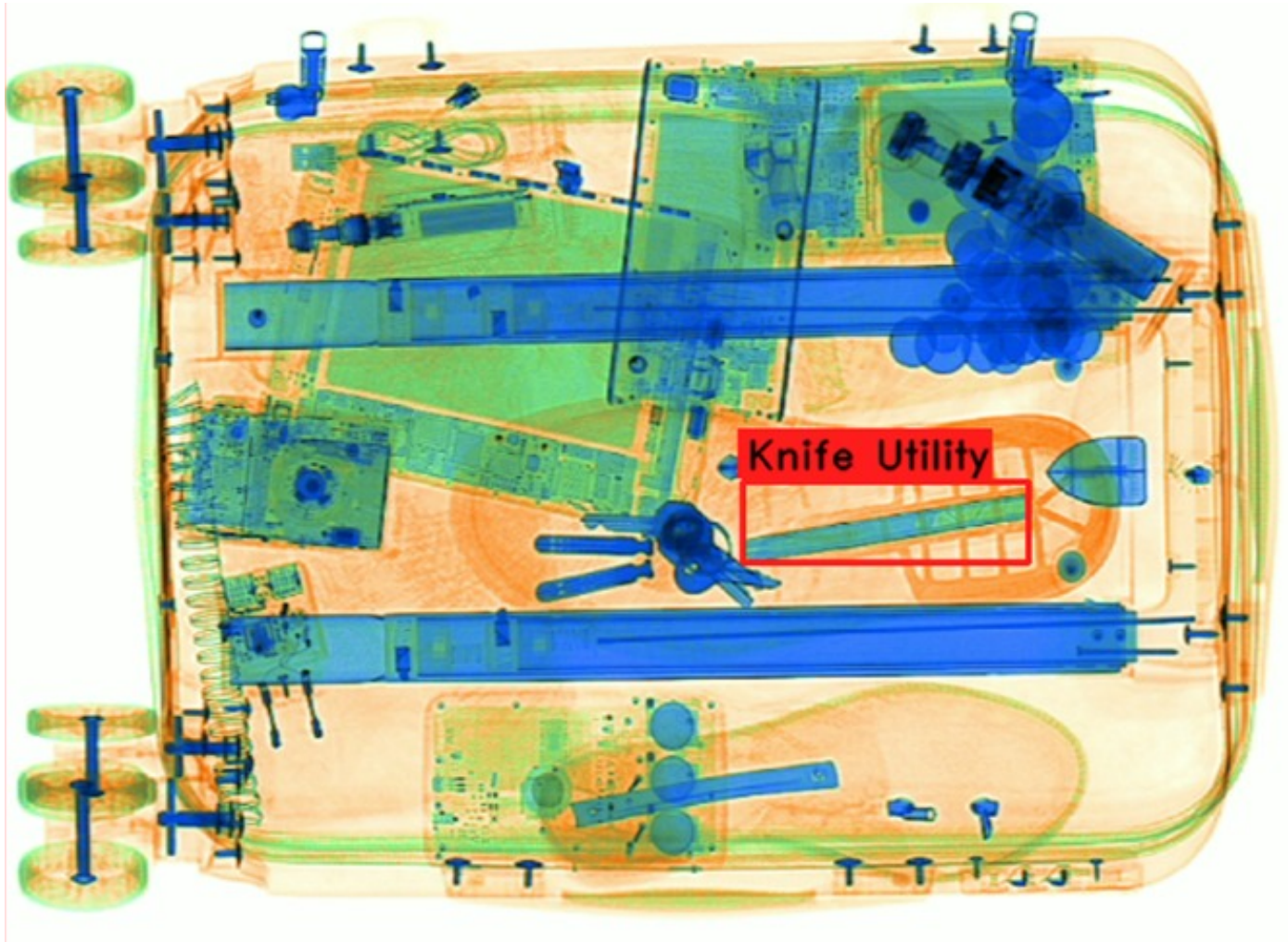

Innocent shoe with an original metallic reinforcement strip

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The original shoe with the ‘reinforcement strip’, a utility knife.

Innocent shoe with an original metallic reinforcement strip

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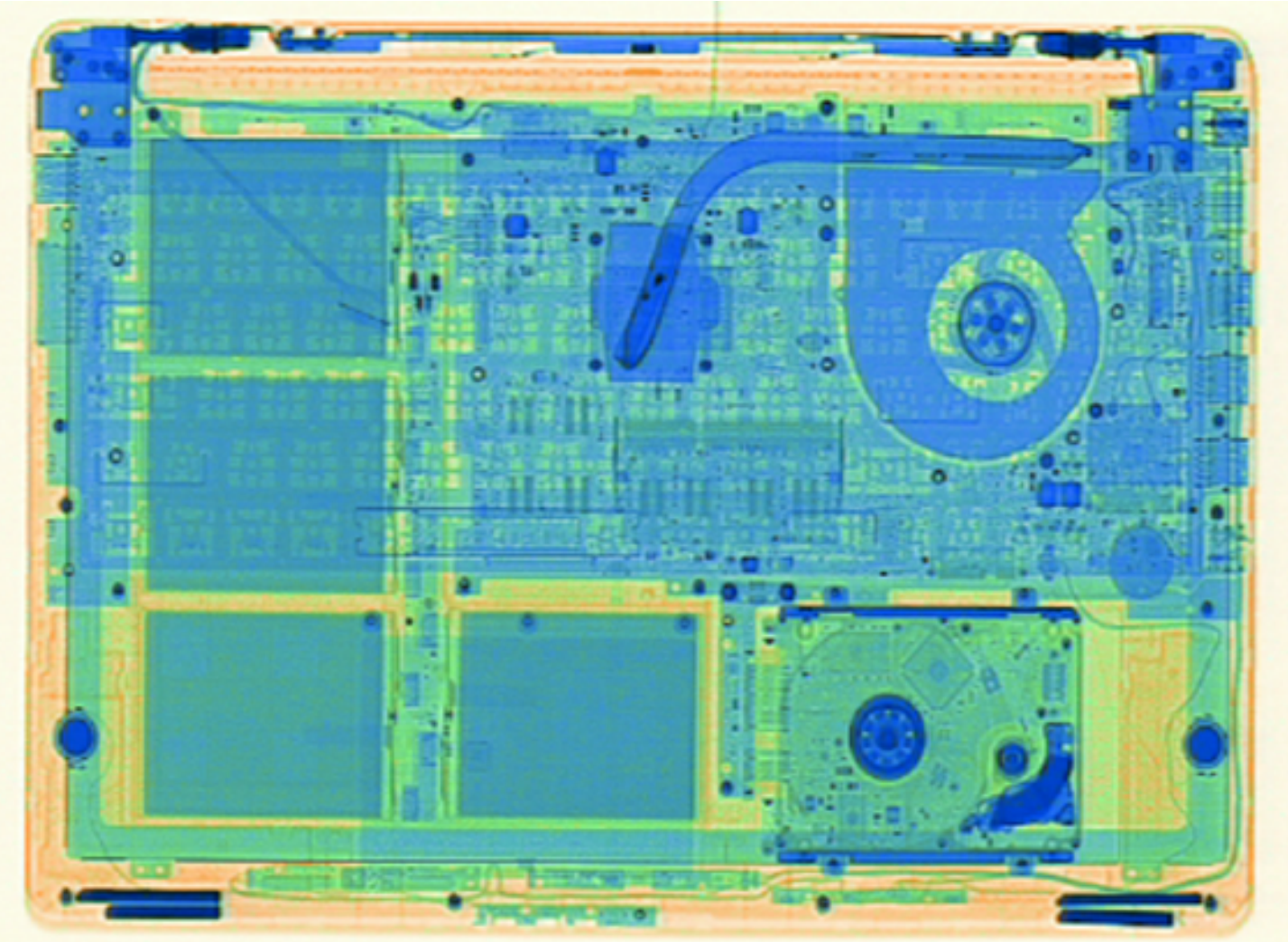

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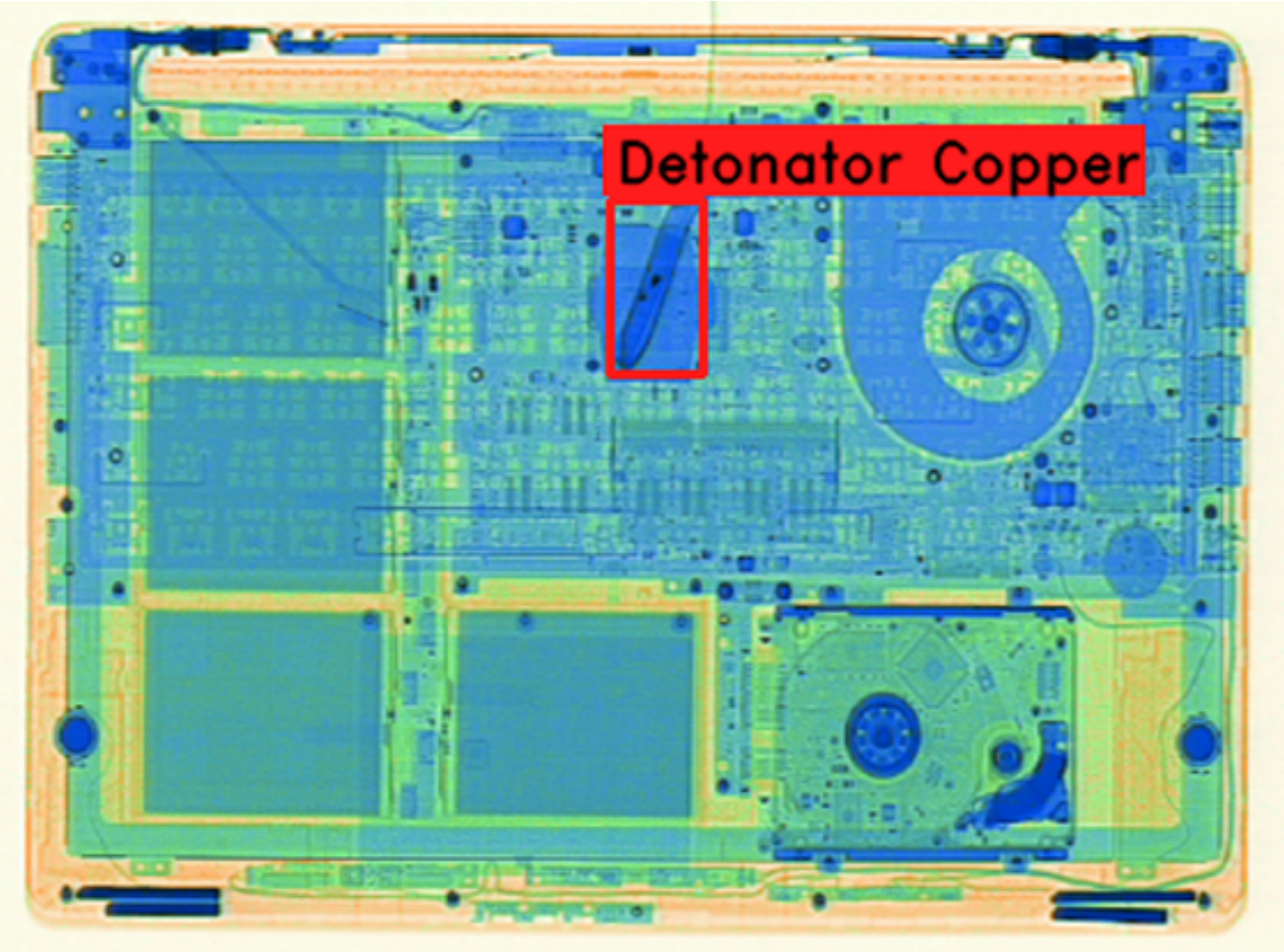

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TECHNOLOGY ADVANTAGES

State-of-the-art Deep Neural Networks
Cutting edge detection algorithms, adapted for X-RAY and CT Imagery

Detection of the largest variety of prohibited items Firearms including disassemble parts & airsoft guns, sharp items including folded & utility knife, ammunition, LAG's, electroshock weapons, work tools, hand grenades, improvised explosive devices (IEDs)

Data-Driven Approach
Over 10M real scans, covering a large variety of items, annotated by highly skilled X-ray screeners

Accurate, consistent and fast
Over 90% detection, less than 3% false alarms

Versatile Deployment
Simple installation in various deployment scenarios, compatible with multiple X-ray machines

Efficient Product Pipeline
Processes and tools for minimizing cost and TTM while maximizing quality

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info@neuralguard.com

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