



FALL 2021

MILLIPOL PARIS

Terasafe-NT: Portable and Contactless
Secondary Screening Device



OUR COMPANY

HISTORY

- Private not-for-profit institute of applied R&D
- Founded in 1988
- 210 employees
 - 60% have advanced degrees
 - Most have secret clearance
- Annual budget ~\$40 M CAD
- ISO 9001 and ISO 13485





GLOBAL SECURITY ISSUE

Finding
suspected threats on
passengers during airport
screening

SECONDARY PEOPLE SCREENING



SOLUTION OVERVIEW

BACKGROUNDER

- Portable and contactless secondary people screener for airport security
- Detection of metallic and non-metallic objects concealed underneath multiple layers of clothing
- Also addresses non-aviation security applications in museums, places of worship, train station, concert, and border control



Preliminary Spec Sheet



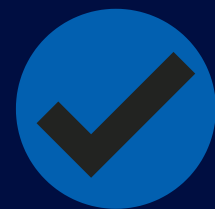
FIELD OF VIEW

10 cm x 8 cm



FRAME RATE

30 Hz



FOCAL POINT

25 cm



POWER

12 V and less than 15 W



DIMENSIONS

25 cm (L) x 20 cm (H) x 15 cm (W)

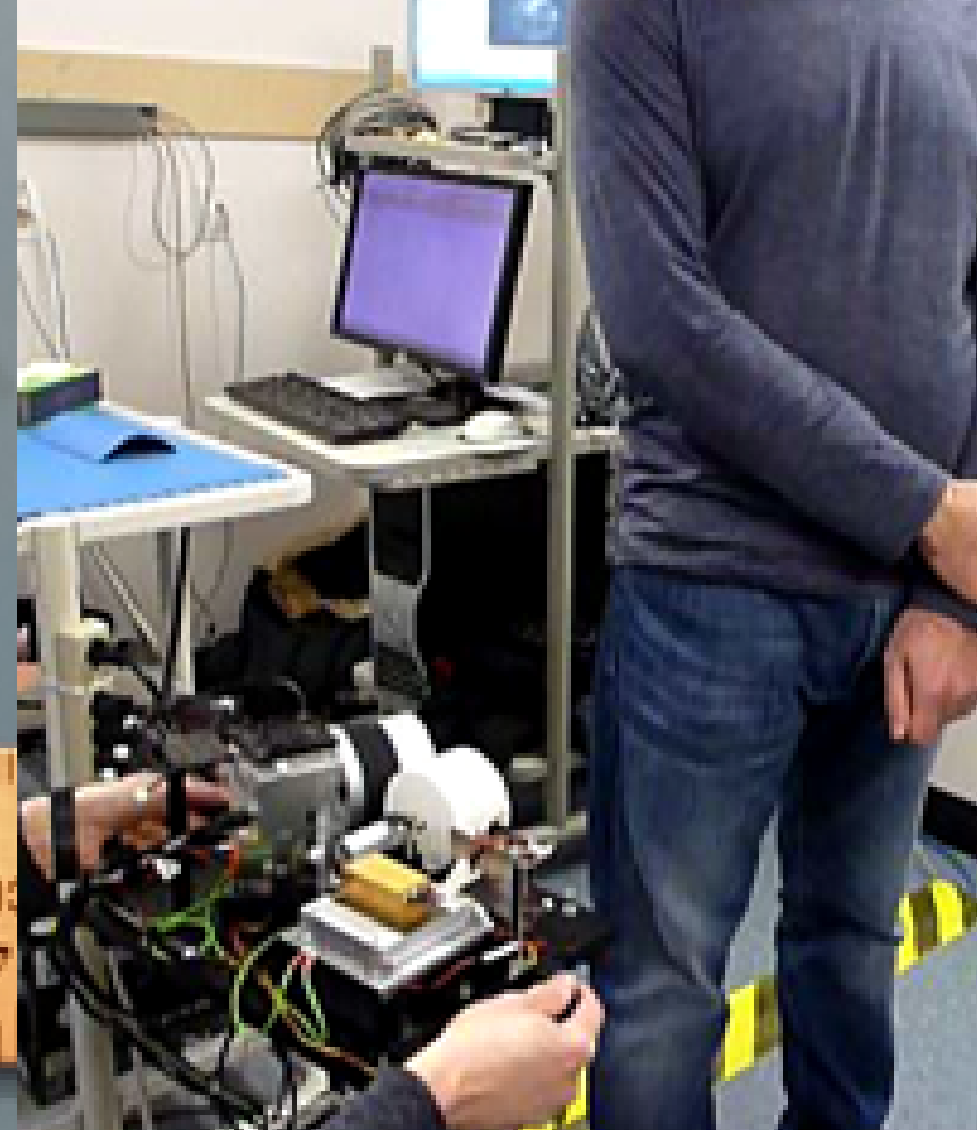


WEIGHT

Less than 4 lbs

OUR BIGGEST STRENGTH

- Total respect of personal privacy
- No images of the body are ever shown on the screen!



SAFETY FIRST

SAFEGUARD AND CONTROL

Low output power density respects IEEE Std C95.1™-2019 safe exposure limit

HARMLESS

Safe technology for people with pacemakers and artificial hips

STANDARDS AND CERTIFICATIONS

We target IEC 61326-1Ed2.0, IEC 61000-6-1ed, IEC 61000-6-4ed2.1, SPE 1000





INO



Metallic
gun

Reconstructed image

Lab trials



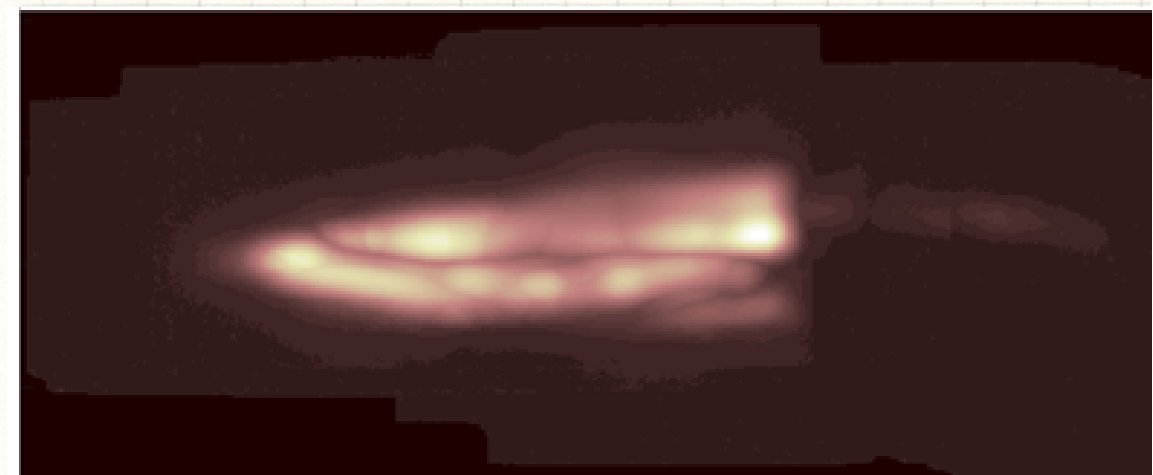
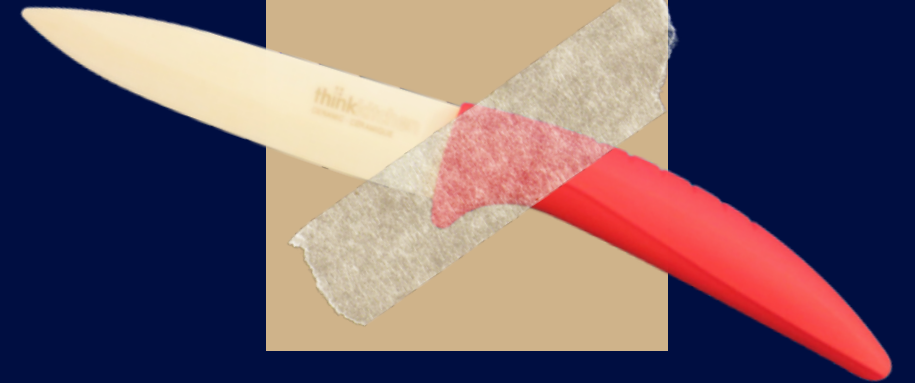
visited the Great Basket and fell in love with it.
to rebuild the village as a holiday

INO



Plastic gun and ceramic
knife

Non-metallic object detection



Reconstructed image



Carbon
fiber knife



Reconstructed image



visited the Great Basket and fell in love with it.
to rebuild the village as a holiday



CONOPS



WHY INVEST IN TERASAFE-NT?

THE NOVEL PEOPLE SCREENING SOLUTION



*Staff
reduction*

No gender separation



*Faster security
checks*

Increased airport revenues



*Safety and
Privacy*

Improved passenger
experience



Q&A SESSION

THANKS FOR YOUR ATTENTION.
FEEL FREE TO ASK YOUR
QUESTIONS

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