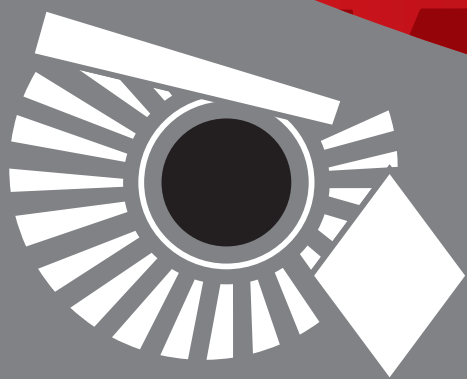


IMAGINERT



SOWA

X-ray vehicle scanning system

INSPECTION EFFICIENCY

- ▶ High quality imaging – trunk and other vehicle's compartments clearly visible
- ▶ Visualization in top-down plane
- ▶ Real time X-ray imaging
- ▶ "U-shape" linear array detector for better side-visibility
- ▶ Short scanning time
- ▶ Material recognition based on dual-energy technique (option)
- ▶ Dedicated software for digital filtering and details enhancement

LOW SPACE OCCUPANCY

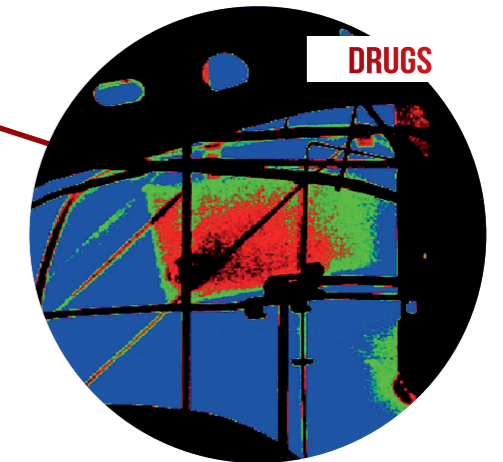
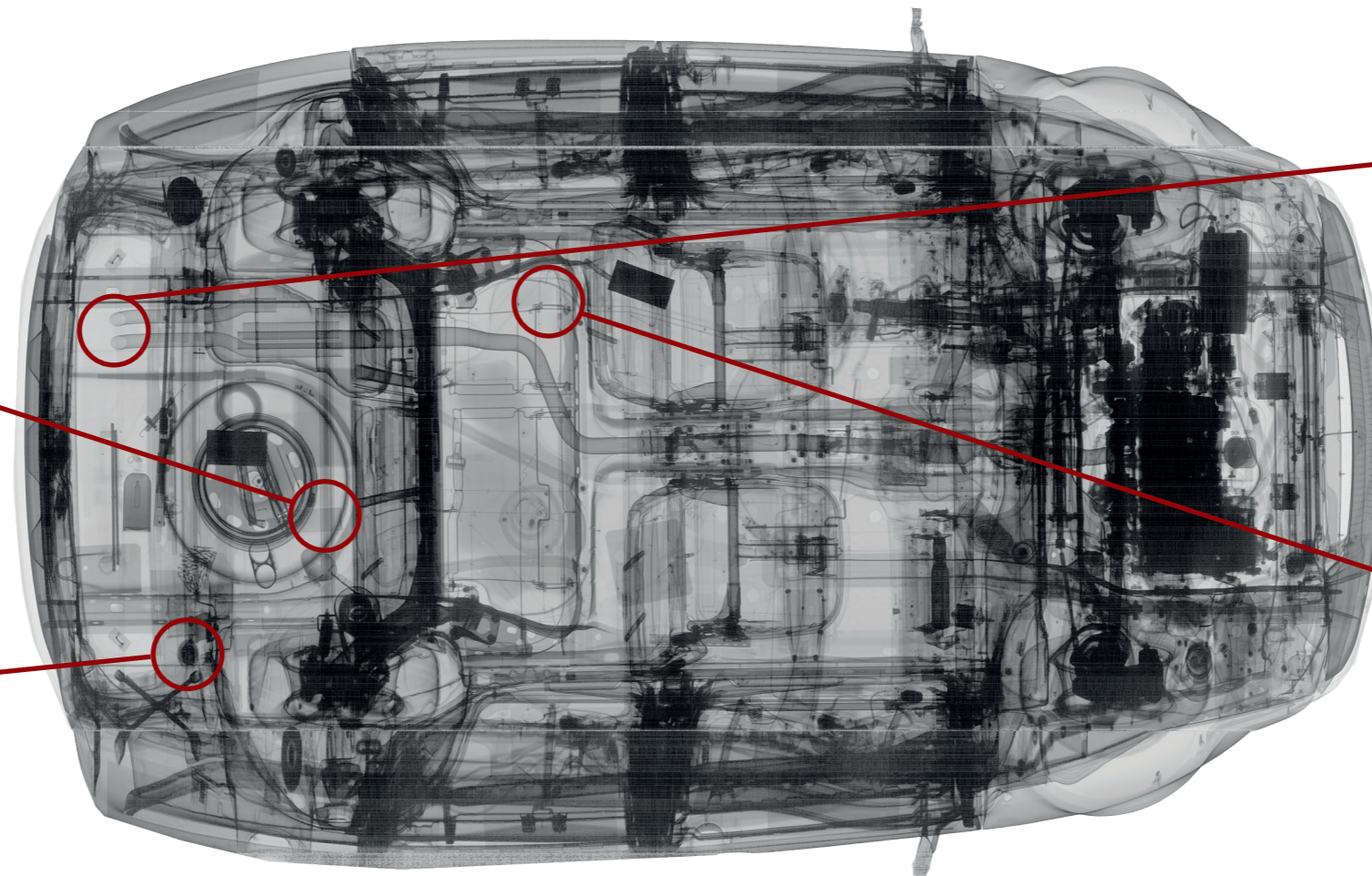
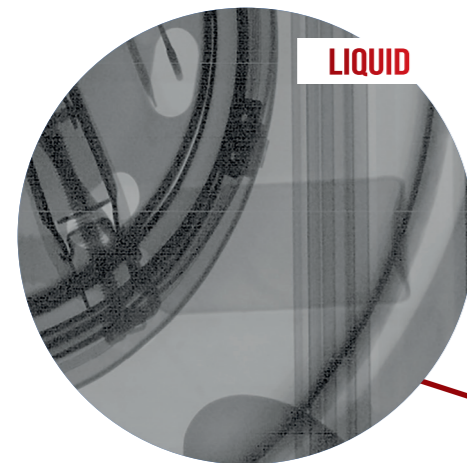
- ▶ Excluded security zone not required, SOWA can be used in public areas
- ▶ Go-through or in/out options – no special roads required

RADIATION SAFETY

- ▶ Driver-free inspection
- ▶ Fully shielded container

MOBILITY

- ▶ Based on regular sea container, simple transport on standard platform
- ▶ Powered by grid or fuel-generator
- ▶ Short preparation time



PARAMETERS

X-ray energy	100-300kV
Scanning time	~ 2 min
Image resolution	0.4 mm
Dimensions	12192mm (length) x 2438mm (width) x 2890mm (height)
Max vehicle dimensions	5260mm (length) x 2170mm (width) x 2200mm (height)
Control system	PLC based
Scanning without driver	Yes
Radiation shielding	Completely covered, max dose rate <math><1 \mu\text{Sv/h}</math> outside
Material discrimination	Option
Temperature control	Anti-freeze/comfort
Protection equipment	Safety buttons, door switches, limit switches
Power	Grid/fuel generator

ImagineRT sp. z o. o.
Narodowe Centrum Badań Jądrowych
Budynek 3AB ul. Sołtana 7
05-400 Otwock
Polska

www.imaginert.com.pl
e-mail: info@imaginert.com.pl



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