

# Train your own *X-ray* Ai Models

Pre-trained models rarely match every scanner, policy, or threat set.

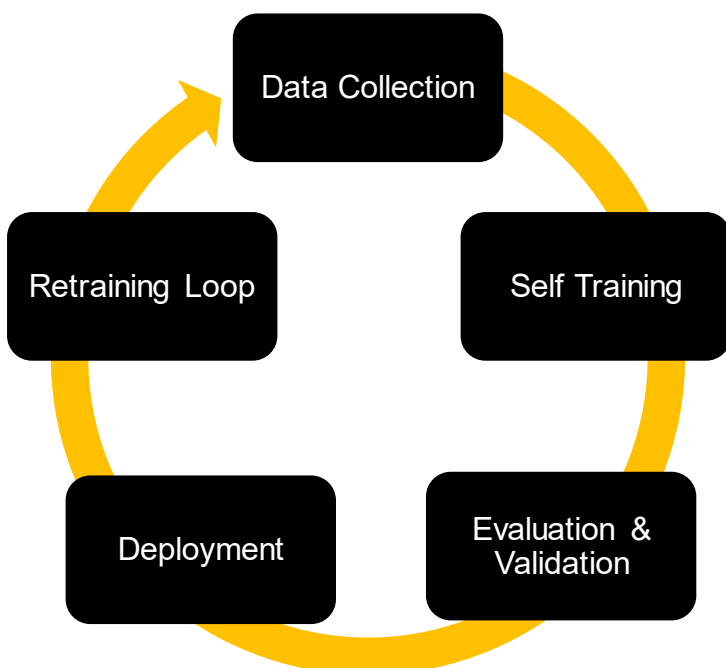
Create categories such as cocaine, heroin and other user-specific items, then retrain and deploy from your own GUI.

*On-premises. Client-controlled. Operator-assist.*



## Train your own model

Run training from the GUI, review reports, and adjust per-class thresholds before release.



## What it does.

Generic X-ray AI ships with someone else's categories. Xray Intelligence gives authorised client teams a train-it-yourself platform so they can add or retire classes, annotate data, run validation and push governed updates without vendor release cycles.

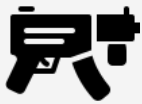
## Keep all data on-prem

Local processing, role separation, audit logs and version history support secure operations.

Integrates with existing infrastructure to reduce cost

Offline & On-prem deployment, for full data security

## From fixed pre-trained models to client-owned detection capability.



Weapons



Dangerous Material



home-made Explosives



Explosive Materials



Human Trafficking



Drugs



Drugs

### How client self-training works

1. Import baggage X-ray images from operational scanners and organise datasets by site, scanner type and category.
2. Annotate images in the GUI and enforce category definitions plus held-out test sets.
3. Train and validate against approved data, including synthetic augmentation where rare or sensitive classes are data-limited.
4. Pilot new versions on selected machines, then scale fleet-wide or roll back.

### What your team controls

Your team controls the catalogue, not the vendor.

Authorised users can create or retire categories - including local narcotics or other policy-defined items - upload data, annotate images, review validation results, configure thresholds, approve deployments, and keep rollback-ready version history.

### Why this is different

- Pre-trained AI rarely matches local threat sets, scanner environment, or policy requirement
- Client-owned training lets teams respond to new priorities without waiting on vendor releases
- Real scanner data plus synthetic augmentation accelerates time-to-accuracy output
- Full on-prem deployment, role separation and audit logs keep workflows controlled & reviewable

Outputs are operator-assist aids and require human review. Final screening decisions remain with authorised personnel.



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