

Annotation Portfolio Overview

AI data annotation, QA review, and human-in-the-loop operations from Ghana.

Read First

This document summarizes Drofman AI Hub's proof-of-work, sample annotation capabilities, QA workflow, and pilot offer. It is designed to be read before exploring the full demo pack.

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1. Who We Are

Drofman AI Hub is a Ghana-based AI data operations initiative helping AI teams prepare high-quality labeled datasets through trained annotators, structured quality assurance, and human-in-the-loop workflows.

The Hub was built from a practical training program covering CVAT foundations, bounding box annotation, polygon segmentation, peer review, error detection, and QA scoring.

Bounding Box Annotation

Object detection datasets with tight boxes, correct labels, and missed-object checks. Example labels: helmet, no_helmet.

Polygon Segmentation

Visible-boundary annotation for irregular objects. Example labels: ripe_strawberry, unripe_strawberry.

QA Review & Error Detection

Review of missed objects, wrong labels, bad boxes, poor boundaries, duplicates, and consistency errors.

What Makes This Demo Pack Useful

This portfolio is designed to help clients and investors review Drofman's capability quickly. The supporting folders include visual samples, training proof, QA sheets, performance summaries, and export examples.

1. Sample Work

2. QA Evidence

3. Training Proof

4. Pilot Offer

Recommended viewing order: Start with this overview, then open the Sample Work folder, then QA & Performance, and finally the Client Pilot Offer.

2. Sample Work at a Glance

Clients should first see clear visual evidence of annotation capability. The demo pack contains two primary sample categories plus QA examples.

Portfolio Item	Use Case	What to Look For
Helmet Detection - Bounding Boxes Labels: helmet, no_helmet	PPE compliance, safety monitoring, construction-site intelligence, traffic/motorcycle safety.	Tight boxes, correct helmet/no_helmet labels, no group boxes, no missed visible targets, correction examples.
Strawberry Ripeness - Polygon Annotation Labels: ripe_strawberry, unripe_strawberry	Agriculture AI, robotic fruit picking, quality grading, harvesting support.	Visible fruit boundary, no hidden-area guessing, correct maturity label, one fruit per polygon, occlusion handling.
QA Review Examples Errors: missed, wrong label, bad box/boundary	Quality assurance workflow for client datasets and internal reviewer training.	Reviewer comments, scoring sheet, before/after corrections, pass/fail logic, rework decisions.

Suggested Screenshot Captions

Helmet: Bounding box annotation for PPE compliance. Quality focus: tight boxes, correct labels, no missed visible targets.

Strawberry: Polygon segmentation for agriculture AI. Quality focus: visible fruit body, no hidden-area guessing, correct ripe/unripe classification.

QA: Reviewer simulation using structured error taxonomy and scoring rules to identify missed objects, wrong labels, bad boxes/boundaries, duplicates, and extra annotations.

3. Quality Assurance Workflow

Drofman AI Hub presents annotation as a managed workflow, not as isolated labeling. The portfolio should show how work moves from annotation to review, correction, and final approval.

Annotator	Peer Reviewer	Corrector	QA Lead	Final Approval
Creates initial labels using project rules.	Checks missed objects, labels, boxes, and boundaries.	Fixes issues raised during review.	Validates quality, scoring, and consistency.	Prepares final output/export.

QA Checks Used in the Demo Pack

Error Type	Meaning	Deduction
Missed object	A visible target that should be annotated was skipped.	-4
Wrong label	Object was annotated but assigned the wrong category.	-3
Bad box / boundary	Box is loose/clipped/shifted or polygon includes background/misses visible object.	-2
Extra object	An object was annotated even though it should be ignored.	-2
Duplicate annotation	The same object was labeled more than once.	-2

Scoring model: Base score = 100. Work that scores 80% or higher passes. Work below 80% requires rework, retraining, or escalation depending on the error pattern.

4. Training Proof & Readiness

The demo pack includes training proof to show that Drofman did not only produce samples - it trained people through a structured workflow.

Day	Training Focus	Proof Artifact
Day 1	CVAT foundations, annotation basics, bounding box introduction.	Day 1 CVAT Foundations PDF + baseline screenshots.
Day 2	Bounding box mastery, IoU intuition, edge cases, peer review.	Day 2 Bounding Box Mastery PDF + annotation samples.
Day 3	Polygon segmentation and strawberry ripeness annotation.	Day 3 Polygon Training PDF + ripe/unripe polygon examples.
Day 4	QA system operations, error taxonomy, scoring, remediation.	Day 4 QA System Operations PDF + QA scoring sheet.

Metrics to Add Before Sharing

Before sending this pack to a client or investor, update the overview or Training Proof folder with confirmed numbers only: number of trainees trained, CVAT tasks created, jobs completed, images annotated, images reviewed, average QA score, top performer score, and number ready for supervised deployment.

Trainees trained	Images annotated	Jobs reviewed	Ready for deployment
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5. Client Pilot Offer

The fastest way for a client to evaluate Drofman AI Hub is through a small pilot. The pilot reduces risk and gives the client a clear sample of speed, quality, communication, and QA discipline.

Pilot Annotation Package

Send us 100-500 sample images. Drofman AI Hub will set up the annotation workflow, label the dataset using the required format, perform QA review, and deliver a summary report with export files.

Area	Details
What the client provides	Sample images, label requirements, annotation type, delivery format, and deadline expectations.
What Drofman provides	Annotation setup, trained annotators, QA review, corrections, exports, and a delivery summary.
Possible export formats	CVAT XML, COCO, YOLO, Pascal VOC, or client-preferred format where supported.
Best pilot use cases	PPE detection, agriculture AI, retail/product detection, road/traffic datasets, geospatial/building segmentation, dataset QA.

Recommended email note when sharing the demo pack:

Hi [Name],

Here is a short Drofman AI Hub annotation portfolio demo pack. Start with 01_Read_First - Portfolio Overview.pdf, then open 02_Sample Work and 04_QA & Performance. The pack includes sample bounding box annotation, polygon annotation, QA review examples, and a pilot offer for client datasets.

Best,
Drofman AI Hub

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