SyntetiQ

EU / euROBIN Pilot-Ready

From Simulation to Reality in ~4 Weeks

-55%	Up to -80%	95%
TRAINING TIME *(indicative)*	DATA COST *vs. manual labeling*	DETECTION ACCURACY *(indicative)*

THE CHALLENGE

Deploying AI robots is slow and costly. Training on physical hardware risks damage and downtime. Manual data labeling doesn't scale.

WHAT YOU GET (DELIVERABLES)

Skill Pack
Site-specific trained policy delivered with versioning.

Benchmark Report
Repeatable acceptance testing & evidence log.

Deployment Pack
Integration templates, monitoring signals, rollback plan.

TARGET USE CASES

Industrial Manipulation
Bin picking, assembly, kitting.

Inspection & Maintenance
Visual anomaly detection, reading gauges.

Disaster Response
Teleoperation assist, unstructured nav.

HOW IT WORKS

1. **Scan & Digitize**
   Digital Twin creation from CAD/scan.
2. **Synthetic Data Gen**
   Millions of labeled scenarios in sim.
3. **Training**
   Safe, accelerated cloud training.
4. **Validation**
   Benchmark against acceptance criteria.
5. **Deployment**
   Sim2Real transfer with safety constraints.

SAFETY FIRST

Safety Filter Architecture: Runtime safety constraints + monitoring + human override.

- Real-time collision avoidance
- Verified joint limits & velocity constraints
- Monitoring & rollback ready

TYPICAL PILOT TIMELINE (~4 WEEKS)

* Timeline depends on task, robot, and site inputs.

Wk 1	Wk 2	Wk 3	Wk 4
KICKOFF & INPUTS	SIM & TRAIN	BENCHMARK	DEPLOY

Ready to start?

Apply for a pilot at **syntetiq.com/apply**

Inputs needed: CAD/Scan · Task Specs · KPIs

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* Indicative results from prior projects. Outcomes vary by task.