

Build Visual AI Faster

Overview

The Luceta™ AI Software Suite is a production-ready computer vision platform that lets your teams build, deploy, and continuously improve AI-powered visual inspection. The platform is designed to be accessible for the teams closest to the data, while remaining powerful enough to improve efficiency of data science teams. It replaces slow manual inspection and brittle rule-based machine vision with a guided, four-step process that runs at the edge, inside your facility.

Minutes

To generate new models
after initial deployment²

70%+

Immediate yield savings³

The Problem

Most operations teams still rely on manual inspection, people looking at products, parts, or processes with their eyes. It's slow, inconsistent, and can't scale with production volumes. Traditional machine vision systems exist but are rigid - one lighting change or product variation breaks them, requiring lengthy reprogramming. Custom AI projects take months and require specialist teams that most organizations don't have. And when AI models do get deployed, they degrade silently as conditions change, with no mechanism to detect or correct the drift.

Industry Applications

| | | | | |
|----------------------|-------------------|----------------------------------|--------------------------|---------------|
| Manufacturing | Automotive | Logistics & Warehouse | Food and Beverage | Retail |
|----------------------|-------------------|----------------------------------|--------------------------|---------------|

Why Luceta is Different

| | |
|-------------------------------------|--|
| Built for Every Role | No code or scripting required for quality engineers and operations teams, powerful enough to improve efficiency of data science teams. |
| Automated Data Selection | Build quality models with data diversification, saving 20hrs or \$10k in expert resources ⁴ |
| Data Annotation at Scale | Propagate data annotations across a data set in minutes ⁵ |
| One Platform, Full Lifecycle | One platform covers the full model development lifecycle; which saves costs and resources associated with integrating independent tools. |

The Solution

Luceta AI Software Suite is built around four integrated software components that handle the complete AI lifecycle: from raw images to a live inspection model that can adapt to changes in your environment.

01 Data Agent

Automatically sorts, labels, and diversifies your image data, turning raw camera footage into a model-ready training set in hours, not weeks. No manual data wrangling or specialist required.

02 Model Agent

Creates models by answering two plain-language questions. The AI handles all technical configuration behind the scenes. Customers have achieved 90%+ accuracy within two weeks of first use¹.

03 Pipeline Manager

Deploys models to your production line in one click, with no changes to existing infrastructure. Runs on-site at the edge, data stays in your facility, models respond in real time.

04 Adaptive Agent

Monitors model performance and retrains from your team's feedback. Models get smarter as your line runs.

Pricing & Availability

- **Risk-free PoC.** Validate results in your own facility before any commitment
- **Annual license** scales with camera endpoints and support tier
- **Support** included for setup and testing
- **Data Science Consulting** services available

Request a demo or get started on a risk free POC. Contact your Solidigm representative at industrialAISW@solidigm.com

Available Now

- Easy data collection and automatic labeling
- Simple model creation
- Deployment of models at scale

2026 Roadmap (Coming Soon)

- MQTT messaging published support
- Improved insights for data scientists
- Expanded list of AI use cases (counting, classification and more)
- Multi-User Smart Annotation
- Continuous learning (quantifiable systematic improvement)
- Cloud model creation and management

Evolving Luceta to a comprehensive visual intelligence platform.

Solidigm Confidential | Luceta AI Software Suite | To request a proof-of-concept kit, email: industrialAISW@solidigm.com



¹ Customer validated data

² Measured by Solidigm and tested with customer deployment

³ Calculated with real example based on \$100k losses due to visual escapes and measures Luceta performance

⁴ Calculated with internal estimate and quoted hourly rate for data science support at \$500/hr

⁵ Measured by Solidigm and tested in customer deployment