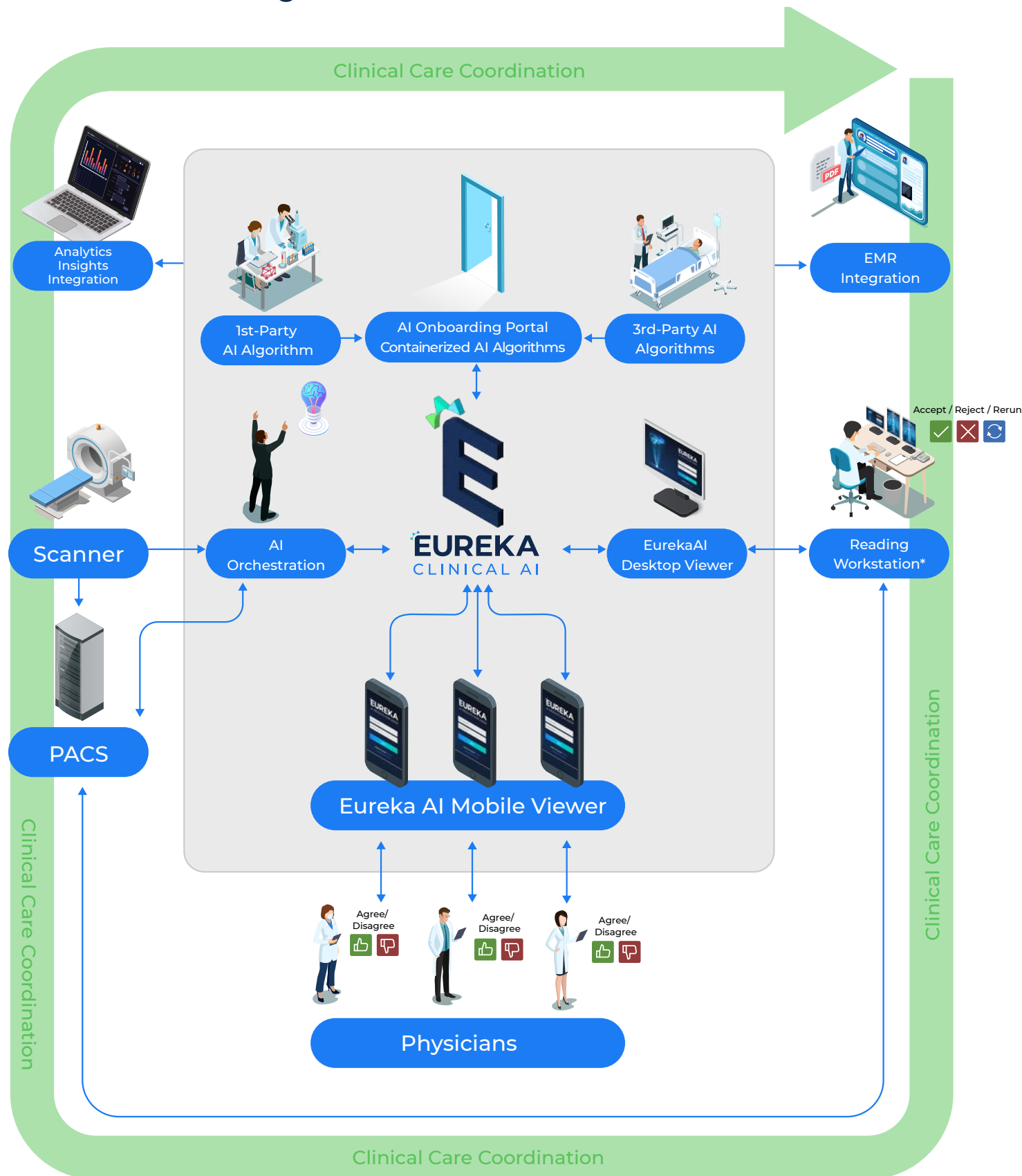


# EUREKA AI



# Delivering Coordinated Care - Powered by AI



\*Optional PACS-Integrated launch of Eureka viewer available.

## Eureka AI

A vendor agnostic hosting platform to execute clinical and non-clinical AI algorithms to improve outcomes, reduce burnout and streamline workflow



### End-to-End AI Strategy

Empowers the AI developer community to effectively develop, run and test their own preferred AI algorithms.



### On-Demand Orchestrated AI

Grants access to a curated library of clinical AI algorithms and care area suites.



### Workflow Integration & Interoperability

Enables sharing of AI results using DICOM and HL7 communication with your preferred reporting system.



### Intuitive Coordination of Care

Dual support for desktop and mobile application with in-app messaging, customized alerts and sharing of AI results optimizes care delivery.



### Physician-Centric AI

Enables end-to-end physician engagement for accepting, rejecting and adjusting AI findings before committing to EMR/PACS.



### Actionable Insights with TR Analytics

Increases confidence in AI by tracking the performance of individual AI algorithms in addition to overall productivity and utilization metrics.

## Enabling Trust in AI

The availability of Artificial Intelligence (AI) algorithms is on the rise – bringing an abundance of technology to help healthcare providers handle their growing workload and improve patient outcomes. Meaningful clinical adoption, however, is lagging behind. Why? The answer is trust. Leading the way in advanced medical visualization and artificial intelligence solutions, TeraRecon has committed itself to deliver AI solutions directly and interactively into clinicians' everyday use. The result? A leading AI platform that encompasses an end-to-end solution for optimal delivery of clinical care among the cross-disciplinary health care team. As such, TeraRecon's solutions lay the foundation for building physician trust in AI.



# End-to-End AV and AI

The combined offering of the Eureka AI platform along with Intuition, the Best-In-KLAS-awarded Advanced Visualization (AV) software, is a potent end-to-end AI solution that advances both AV and AI—enhancing clinical outcomes, reducing burnout, and boosting operational efficiencies.

Importantly, Intuition's features allow practitioners and AI enthusiasts to leverage the power of 3D AV-processed data into AI development toolkits and engines. RT Struct and DICOM Seg datasets can be readily exchanged between Intuition and EurekaAI using Data Extractor and Data Adaptor.

## 2. AI in Clinical Context

- Algorithm output seamlessly into your Intuition clinical workflow for enhanced interpretation and image analysis.
- View available AI inputs from one or multiple algorithms in a clinical context.
- Get a head start with a near-zero-click post-processing user experience.

## 1. AI-Powered Advanced Visualization

- The latest in advanced visualization capabilities include 2D Analysis, Rib Labelling, Calcium Scoring tools, and features that enable the adoption and creation of AI algorithms.
- A growing library of purposefully designed specialty clinical workflows utilize the best of TeraRecon's advanced visualization and artificial intelligence capabilities.
- An easy-to-purchase, KLAS-winning vendor-neutral enterprise imaging strategy for ultimate physician satisfaction.

**1** **INTUITION**  
ADVANCED VISUALIZATION

**2** **Intuition AI Adaptor**

**3** **Scene**

**4** **Intuition AI Extractor**



Patient Record

**5** **Labeled Data Sets**

**EUREKA AI**

**6** **Eureka AI Viewer**

**7** **Eureka Interoperability Platform**

**8** **Enjoy TeraRecon-built algorithms alongside your existing AI**

**9** **Develop your own research and new algorithms**

## 6. Leverage Data And User Preferences To Activate Patient Care

- Clinicians control and adjudicate AI findings— before they're committed to the, PACS, patient record or reporting system—with patented confirmation, rejection, and adjustment tools.
- Deliver clinical access to 1st/2nd/3rd party algorithms and still give physician control to what persists in the patient record.

## 5. Enterprise-Wide AI Impact

- Through the use of an AI interoperability layer, AI results can be accessed and used directly within workflows, all the way to the point of care.
- Embrace AI insights from a series of AI algorithms and vendors.
- Coordinate timely care with desktop and mobile-based collaboration tools.

## 4. Bring Your Own Algorithms

Run one of TeraRecon's algorithms, your in-house AI, or 3rd party AI algorithms and deliver results in-context across your existing clinical systems.

## 3. Fuel Your Internal Innovation

- Convert Intuition post-processed data into volumetric, high-fidelity labeled data sets.
- This data can be optimized by leveraging Intuition as a powerful, clinical-quality data labeler for data scientists to create and train algorithms.

# EUREKA AI

## VIEWER(s) & ANALYTICS

Achieve AI Adoption by Empowering Practitioners to Evaluate, Interact and Visualize AI Results

### Physician-Centric

Allow physicians to explore AI algorithms and interact with AI results before committing them to the enterprise system.

### Maintain Control

Monitor usage, performance and productivity metrics with dedicated Analytics for meaningful and impactful insights.

### Explore AI, On-Demand

Enable access to a curated library of workflow-ready clinical AI algorithms with extensibility for future care area suites.

### Consistency

One point of access and a single viewer for all AI algorithms reduces the learning curve—streamlining AI adoption.



## Eureka AI Is The Proud Winner Of Auntminnie's 2018 "Best New Radiology Vendor" Award

Eureka AI was named the industry's Best New Radiology Vendor in 2018 and nominated for Best New Radiology Software in 2019 - accolades that encompass both the Eureka AI Interoperability Platform and the Eureka AI Viewer. Together they form the world's first and most complete AI interoperability platform.



## TR Analytics Platform

### Enterprise Analytics

Provides meaningful insights/metrics related to the usage of TeraRecon products for both Clinicians and Administrators.

### AI Performance

Build trust with AI with full disclosure of algorithm performance and metrics.

### Actionable Insights

Besides productivity and utilization metrics, can track TR Neuro and AI performance.

### Customizable

Canned or configurable widgets that can be added to personal Dashboard.





## A Clinically Superior User Experience

Never before has it been possible to observe and engage with AI findings, as well as train your reading workflow to become smarter and more efficient—until now. TeraRecon's Eureka AI is the result of many years of development based on a patent-protected cutting-edge technological stack. It is an AI content-enabled medical imaging user experience that has the potential to transform how physicians integrate a multitude of customer-developed, TeraRecon-developed, and third-party AI applications into their radiology and point-of-care workflows.

## TeraRecon's AI Ecosystem



### Eureka Clinical AI

Vendor-neutral hosting platform for 1st, 2nd and 3rd party AI algorithms to optimize outcomes, reduce burnout, and drive care efficiency.



### EurekaAI Viewer

Drive AI adoption by empowering practitioners to evaluate, interact with and visualize AI results.



### TR Analytics

Meaningful insights to drive productivity and utilization, as well as assess AI algorithm performance.

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