

EUREKA





AI: Power and Promise

The availability of artificial intelligence 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 moving at a different pace. Why? The answer is trust. And not just faith in the quality and accuracy of AI generated findings but more crucially, confidence that AI's role in the diagnostic process will compliment and not conflict with a physician's own judgement and preferences.

Leading the way in medical advanced visualization and artificial intelligence solutions, TeraRecon has committed itself to delivering AI-enhanced insights directly and interactively into the systems clinicians use every day while always accounting for the physician's own belief system. The result? A first-of-its-kind AI platform that encompasses a developer eco-system, elegant end-to-end interoperability and an interactive user experience that that will lay the foundation for building physician trust.

Pairing Physician Expertise with AI

More Than a Marketplace

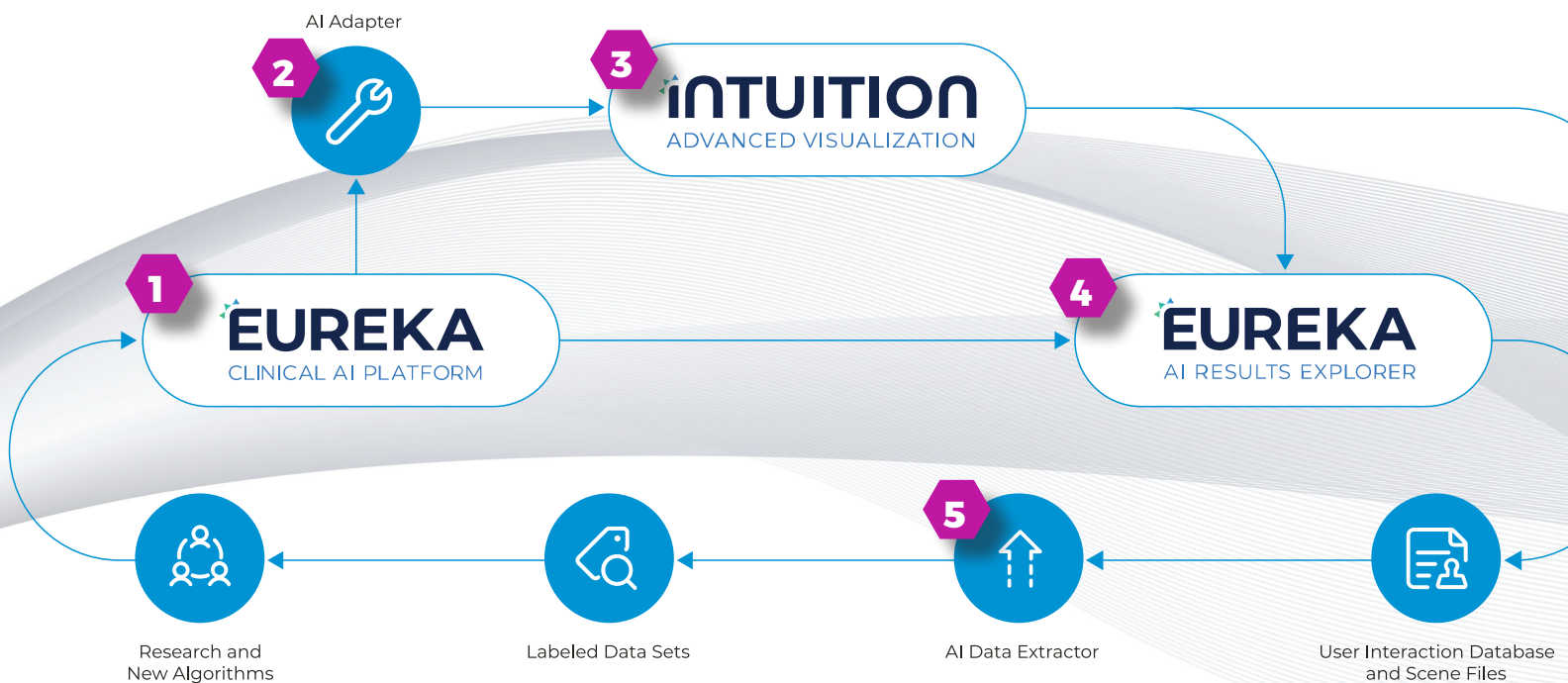
- Quality from the start. Eureka incorporates unique business process automation, regulatory oversight, and quality control for onboarding workflow-ready AI content at scale.
- Featuring the largest library of workflow-ready clinical and research-only algorithms, centrally accessible and available under a single contract and implementation.
- Provides a thoughtfully designed user experience working alongside or within a physician's current system to deliver Eureka's patented accept/reject/adjust capabilities.
- Leverages native integration capabilities to incorporate AI findings into your Intuition environment.
- Enables converted post-processed Intuition data to transform into training-ready labeled data sets.
- Supports continuous data labeling by leveraging Intuition as part of the interpretation process.

End-to-End AI

1

A unique and patent-protected AI ecosystem

- A complete end-to-end developer environment where algorithms are containerized, uploaded, tested and prepared for the interpretation workflow.
- A single contract and single implementation buying experience.
- Unmatched quality control and regulatory oversight.
- An AI interoperability layer that provides in-workflow access to AI generated results.
- The industry's largest library of workflow-ready clinical and research-only algorithms.



5

Unleash Internal Innovation with AI Data Extractor

Quickly convert Intuition post-processed data – either historical OR completed in the normal course of routine clinical reading workflow - into volumetric, high-fidelity labeled data sets. This data can be further optimized by leveraging Intuition as a powerful, clinical-quality data labeler for use by data scientists to create and train algorithms.

A unique and patent-protected AI interoperability platform matched with an elegant AI-driven user experience, TeraRecon's answer to end-to-end AI is more than a marketplace to purchase AI. The Eureka AI Clinical platform encompasses a developer portal and AI access eco-system combined with the Eureka AI Results Explorer for an interactive and physician-controlled user experience. At the core is an end-to-end interoperability layer that both enhances and maximizes the capabilities of your trusted Intuition environment.

2

Maximize Advanced Visualization Investments with the Intuition Artificial Intelligence Adaptor

Unlock new workflow potential with the Intuition AI Adaptor which enables AI outputs to become a seamless part of your Intuition clinical workflows. View available AI inputs from one or multiple algorithms, automatically and in clinical context. Realize an advanced starting point with a near zero-click post-processing user experience.

3

AI-Driven Advanced Visualization

- Seamless access to algorithm outputs, directly into your Intuition clinical workflow for a better interpretation starting point.
- A growing library of purposefully designed end-to-end AI driven workflows that take the best of TeraRecon's advanced visualization and artificial intelligence capabilities, delivering a near zero-click AI driven experience.
- The broadest suite of AI enabled, vendor neutral, advanced visualization solutions designed for a superior level of scalability and workflow integrated user experience.

4

Leverage Data And User Preferences To Enrich The Clinical Experience

- An AI output panel that provides a dashboard view of AI findings with the ability to automate preferred actions.
- Prioritization of physician control over what interaction data are collected, which types of AI findings are persisted in the database or moved to the report, and which images are stored in the PACS or VNA.
- Patented capabilities to confirm, reject and adjust AI algorithm outputs earns the trust of physicians while experimenting with novel forms of AI content.
- Run a multitude of algorithms, as part of a single AI experience, whereby the output of an algorithm can serve as the input to another algorithm.
- Integrated contextual and embedded launch from any PACS or EMR provides seamless access without distraction.
- The widest range of clinical use cases and algorithm types both inside and outside of radiology.

Eureka Platform Workflow

4 Next, images are sent from the Image Acquisition Device or PACs to Eureka Liaison.

5 Then AI algorithms either run locally using the Eureka Inference Appliance or...
OR
...algorithms run de-identified data using the Eureka Inference Cloud.

6 Results are sent back to Eureka Liaison...
OR
...and Eureka Liaison sends the processed images to Eureka AI Results Explorer or your preferred viewer.

Build Trust, Increase Insights And Experience Real Interoperability



Rich Development Ecosystem

Algorithms are uploaded, tested, and transformed from simple run-and-done to interactive and interoperable.



Instant cloud Implementation

Keep your data on-site or de-identify before sending it to the Eureka AI Inference Cloud



Multi-Level Regulatory Protection

Exhaustive regulatory oversight ensures content is properly labelled and applied, for research or clinical use, in each geography.



Workflow excellence

Highly optimized workflows designed to deliver near button-free and near zero-click comprehensive clinical advanced visualization experiences



A Single Contract And Installation

Evaluate machines on your own data with easy access to an extensive library of premium AI Machines.



A familiar and elegant user experience

No forklift upgrades and no more forcing clinical users to be the human interoperability layer in order to achieve an ideal AI experience.



Data Fluidity

Supports availability of all MIME types in the Eureka AI Results Explorer regardless of the capabilities of the PACS, EMR or enterprise viewer

"The best part of taking the EurekaAI platform approach is that we are free to choose, try, and if desired, choose again"

KURT LENHART, CHIEF EXECUTIVE OFFICER AT KETTERING NETWORK RADIOLOGISTS, INC.

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

Named the industry's Best New Radiology Vendor in 2018 and nominated for Best New Radiology Software in 2019, the Eureka AI Clinical Platform combined with the Eureka AI Results Explorer form the worlds first and most complete AI interoperability platform.



What Is The Eureka AI Results Explorer™?

Eureka places the incredible AI machines that developers are creating into the research and clinical care path, allowing physicians to explore different algorithms while still controlling what results become part of the permanent record.

Key Eureka AI Results Explorer Features

The Eureka AI Results Explorer allows physicians to explore and interact with results produced by artificial intelligence algorithms directly within their reading workflow. Physicians maintain control by accepting, rejecting, adjusting and archiving AI results in existing imaging infrastructure - in alignment with medical best practices.



Fast Image Display



Zero Footprint Explorer (web-based)



Enables users to accept, reject, and/or adjust results



Capable of loading DICOM and Non-DICOM results such as JPG, BMP, and PDF



Displays reports generated by AI Algorithms



Easy URL-based integration with PACS and EMR



Synergistic EnvoyAI Platform integration



Seamless integration into an existing radiology work flow



Responsive Mobile design



What Is A Content-Enabled Medical Imaging Console?

Never before has there been a way to view and interact with AI results, as well as train your own reading workflow to become smarter and more efficient - now there is. Built from the ground up on a patented state-of-the-art technology stack, TeraRecon's Eureka AI Results Explorer is the culmination of many man-years of effort. It is an AI content-enabled medical imaging console which stands to revolutionize the way physicians will incorporate the galaxy of first- and third-party AI machines into their PACS and reading workflows.

TeraRecon's AI Ecosystem

EUREKA CLINICAL AI PLATFORM

INTEROPERABILITY AND
BEST-OF-BREED AI

Generates Algorithm Output:

Derived Images

- Contouring
- Inferencing
- Filtering
- Atlasing

Findings

- Measurements
- Comparisons
- Reports & Other Data

INTUITION ADVANCED VISUALIZATION

AI-DRIVEN ADVANCED
VISUALIZATION

Deliver an AI user experience that is:

- Interactive
- Believable
- Personalized
- Compatible
- Native

EUREKA AI RESULTS EXPLORER

SEAMLESS, EMBEDDED,
INTERACTIVE AI

Responsible and Convenient Access

- Keep experimental AI out of patient records
- Use multiple algorithms simultaneously

Performance Improvement

- Adapts UX based on usage data
- Continuously capture user preferences

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