

# Pierce the veil of distortion over mission critical images.

Inspired by work with the Air Force Research Laboratory, Nutonian has developed tools able to dynamically eliminate image distortion. Save lives and outstrip the competition with >10x improvements in quantitative measurements for systems such as Scanning Electronic Microscopes, realizing peak performance even in outdated equipment.



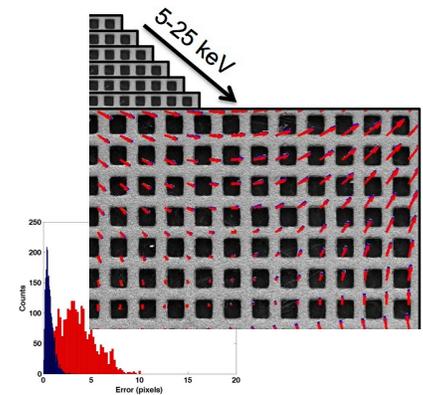
- Gain >10x improvements in the performance of existing imaging systems
- Accelerate discovery of defects in manufactured components, early stage cancer, and make the next generation of CPUs
- Improve performance and reliability of imaging equipment by rapidly identifying and removing systematic distortions present in imaging systems tied to the exact operating/environmental conditions
- Gain actionable insight into improving the fabrication of imaging systems

## Revitalize Expensive, Inefficient Imaging Equipment

Imaging and advanced characterization is at the heart of a range of industries across aircraft component inspections, medical imaging, CPU manufacturing and more. As society continues to push the envelope in technological innovation, demand for the best quantitative characterization possible is always present. Varying distortions in existing imaging equipment constrain peak characterization performance across fields, reducing accuracy and escalating time and effort for discovery.

## Move Into Autonomous Insights

Image distortions are as old as fun house mirrors, yet little real innovation has been accomplished. Companies struggle within the limits of expensive equipment that must be used, and not enough is known about fabricating improved systems. Applying Nutonian’s cognitive computing engine, Eureqa™, allows users to rapidly identify specific relationships between the instrument settings/environmental conditions and the limiting distortions. Understanding these causal relationships gives users the ability to “unwarp” image distortions, enabling accurate insight and peak performance when it really matters.



## Powerful Answers

Whether companies are looking for cracks in aircraft turbine blades or tumors in a mammogram - current limits of characterization systems govern the status quo for early identification. Applying Eureqa™ to a Scanning Electron Microscope and a mammography detector over a range of conditions resulted in >10x improvements in quantitative measurements. Gain competitive advantage with access to early and accurate imaging detection that will save lives, reduce costs and accelerate the development of next generation systems.

Request an invitation to start at [contact@nutonian.com](mailto:contact@nutonian.com)

### ABOUT NUTONIAN

Founded in 2011, Nutonian is on a mission to enable anyone to derive answers and strategic understanding from data. The company has created products that empower a broad spectrum of users from data scientists, to researchers, to business analysts and operations personnel to actively engage their data and discover key insights that would have otherwise been missed. Installed on over 40,000 systems in 80+ countries, Eureqa brings context and understanding to analytical exploration in an actionable and scalable manner. Nutonian lives at the intersection where artificial intelligence and business intelligence meet.