# LIGHTNING TALK



# VISIMO

# Overview

# VISIMO:
# COMPANY &
# TEAM
# OVERVIEW

01
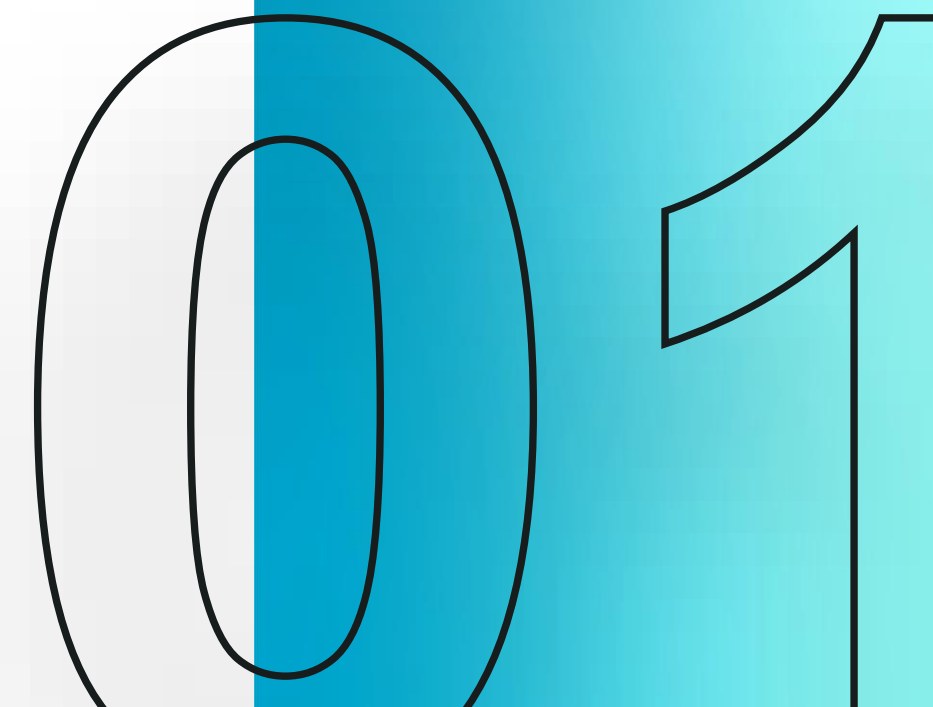
# Our Story

### WHAT WE DO

Advancing the state of the art through fundamental research and novel applications of AI/ML

### OUR PROCESS

Custom software, models, and delivery platforms across a wide range of subject areas and industries  with a culture that fosters innovation, flexibility, and adaptability
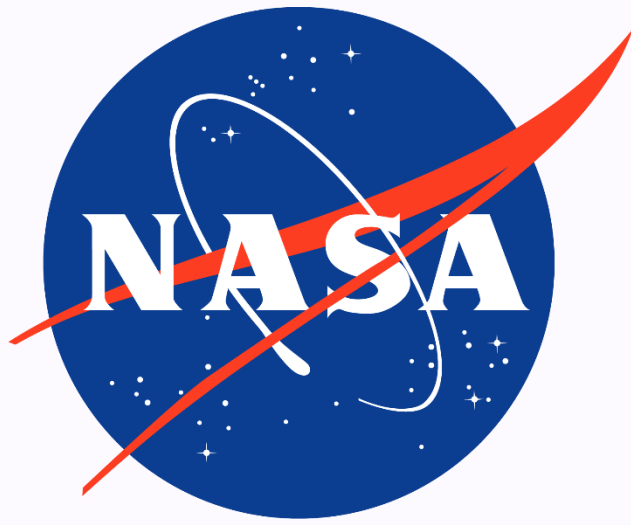
### WHY WE SUCCEED

Models need somewhere to store data; data require a platform to train and execute models - VISIMO specializes in building both

# PRIOR
# EXPERIENCE

02

# R&D CUSTOMERS AND PROJECTS

Develop a framework and simulation environment for testing AI-piloted drones

COEUS: a platform for developing & collaborating on AI projects

Detect artillery impacts and calculate firing adjustments

Improving object detection algorithms to help drones detect and avoid obstacles

U.S. AIR FORCE

Using CV & NLP, identifying human errors in legal review to prevent incidental casualties

Creation of customizable, fully synthetic satellite images to train ML models

Multimodal detection of manipulated images & video

NLP and CV semantic tagging and search algorithms for scientific datasets and academic papers

Estimate Risk and Predict Workplace Accidents

# TECHNICAL
# CAPABILITES

03

# AI/ML Experience

# Big Data & Software

## COMPUTER VISION
Developing and training custom models

## MODEL DEPLOYMENT
Deploying machine learning software in cloud environments

## DATA SIMULATION
Both analytical and machine learning methods

## DATA/MODEL PLATOFRMS
Building smart analysis ecosystems, not just data storage

## MODEL VALIDATION
Designing and computing metrics

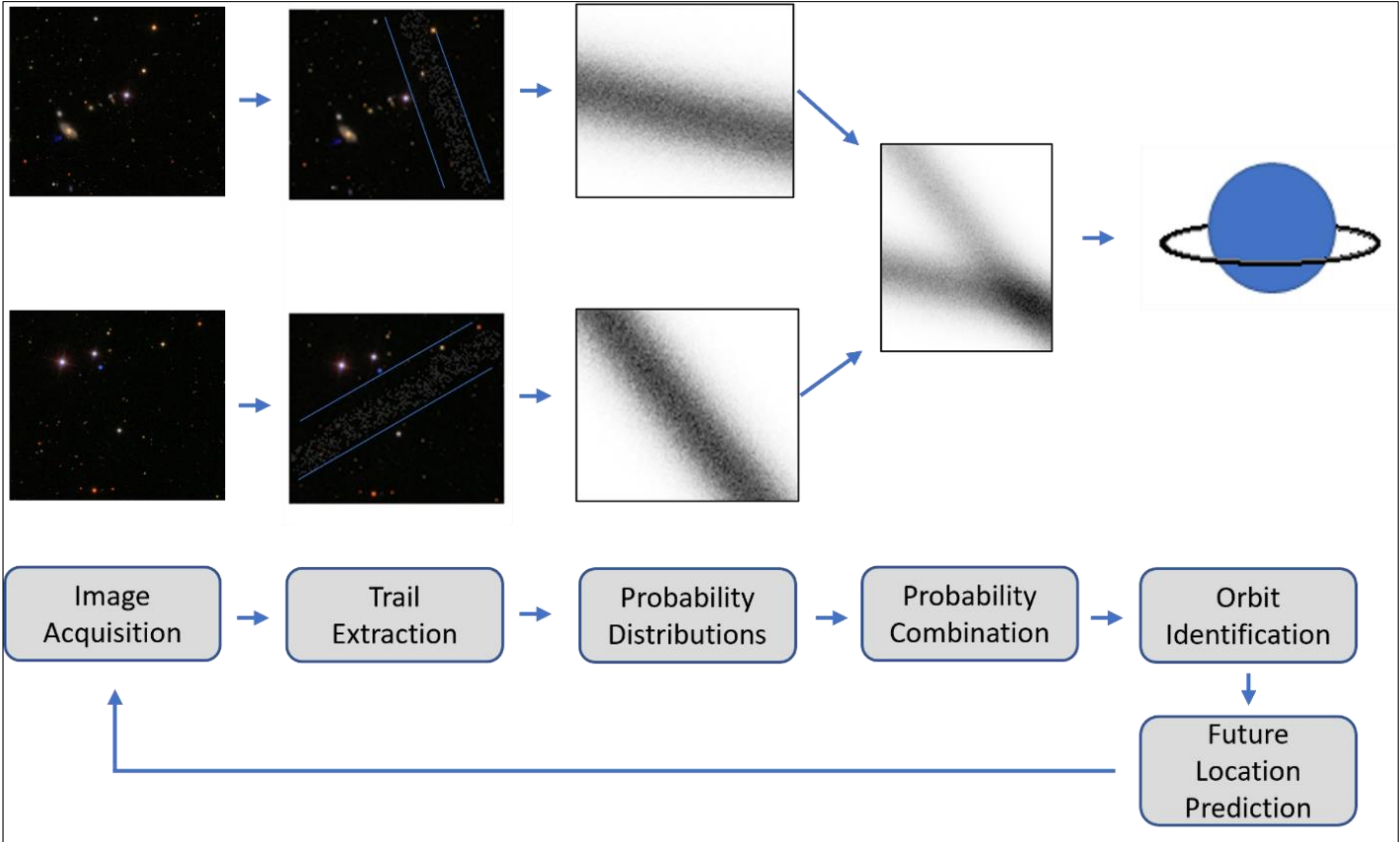## SECURITY FOCUSED
Experienced with credentialing for DoD customers
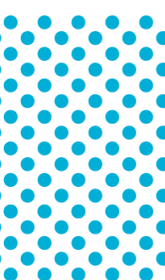
## Utilize Modern Optical Observatories



## Statistical Orbit Determination

# TEAMING
# & COLLABORATION

04

# VISIMO Can Provide...

- Custom AI/ML models and training
- Data simulation
- Large dataset analysis and storage
- Cloud software development services and tools
- Observational astronomy expertise

# VISIMO Seeks Partners Who...

- Produce lots of data
- Need an AI/ML edge
- Value collaborating with small businesses
- Have expertise in NASA & IC programs

**For both optical and radio SINTRA solutions**
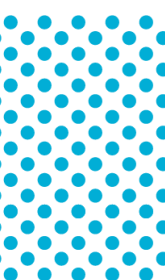
# Contact
## Information

**Alex Heit, Vice President – Partnerships & Strategy**

**Email:** alex@visimo.ai

**Office:** 412.615.4372

**Mobile:** 412.576.6129

**Dr. Alex Moskowitz, Data Scientist**

**Email:** alex.m@visimo.ai

**VISIMO, LLC**

520 E. Main Street

Suite 200

Carnegie, PA, 15106-2051

**Phone:** 412.423.8324

**Web:** www.visimo.ai

**DUNS:** 016990771

**UEI:** X854ZJDHWHJ5

**CAGE:** 8DR24

**SBC ID:** 001647075

**HUBZone No.:** 63337