



## ODYSSEE A-Eye

### Image based learning and prediction

ODYSSEE A-Eye is a unique and powerful image-based machine learning solution that accelerates product design and development via real-time parametric simulation and optimization using machine learning and artificial intelligence (AI) solutions. ODYSSEE A-Eye allows you to create your own AI application based on image data, sensor data, scalars, labels, curves, and CAD data as inputs and then predicts responses using the known data of your system. This insight enables designers and production technicians to explore the design space more extensively and interactively and improve next-generation products without prohibitive computing cost or time.

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ODYSSEE A-Eye enables engineers and technicians to incorporate both ML and AI prediction into their workflows, designs, and systems. You can customize your AI applications using the ODYSSEE A-Eye engine by defining the descriptive variables and results. Once the A-Eye engine has learned the problem, it can then predict the result in real-time for new descriptive inputs. The applications are limitless for prediction and optimization in all industries.

ODYSSEE A-Eye can also perform intelligent data compression on images (best possible compression rate), while keeping as much as possible the useful information.

