

## Brain Builder for Robotics

Neurala's end-to-end platform streamlines creation, deployment, and analysis of custom vision AI solutions, enabling robots to be more adaptable and useful in dynamic environments.

It's not easy to develop robots that function reliably in a dynamically changing environment. But, optimizing the AI's decision-making on the data stream (i.e. the capacity for making decisions on how a robot can navigate a specific space or perform its intended task) is often last in line as a priority.

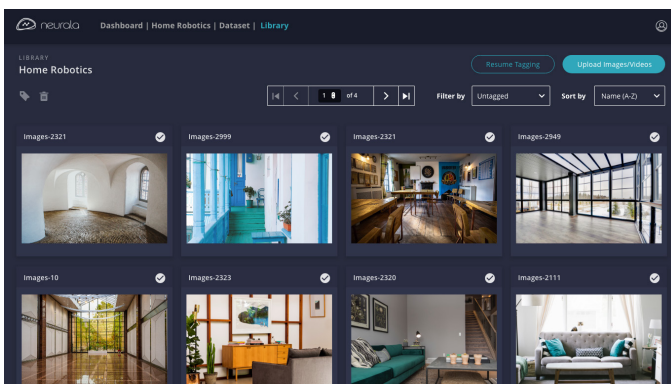
That's where Neurala's Brain Builder platform comes into play: providing an end-to-end platform that makes it easier and more cost-effective to create custom vision AI solutions for more adaptable, hassle-free robots.

## Vision AI Challenges

Robotics development projects are extremely expensive and require significant capital to get off the ground. They're also rife with unknown factors that surface during the development process and are, more often than not, related to hardware and control software.

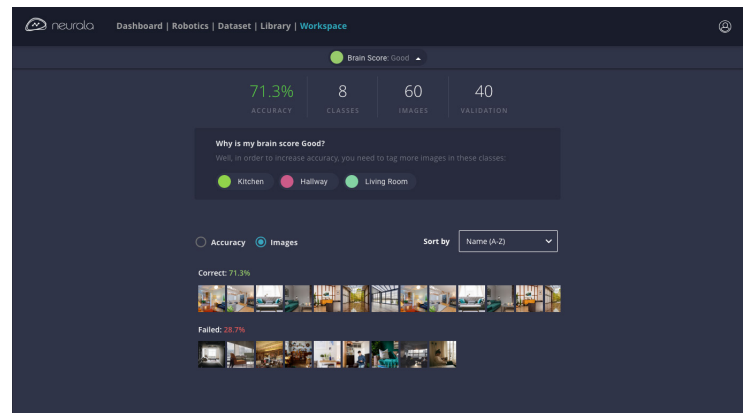
Vision AI is an important part of a robot's ability to maneuver around its environment, and perform many common missions, and yet it's frequently not a priority among all the other critical considerations in this field. The same applies to hiring AI experts, which leaves the responsibility for vision AI management to a team that often isn't equipped with the tools to execute successfully and efficiently.

Having a vision AI system running and learning in real-time is necessary for robots to be able to operate in dynamic environments. But product developers often lack the time, resources or expertise needed to resolve the unique challenges they face, and ensure their vision AI solution is custom-fit to their unique use case.



**Neurala** is a pioneer in custom vision artificial intelligence. On a mission to make vision AI more accessible, Neurala is the company behind Brain Builder: a SaaS platform that dramatically reduces the time, cost and skills required to build and maintain production quality custom vision AI solutions. Founded in 2006, Neurala's research team invented Lifelong-DNN (L-DNN) technology, which reduces the data requirements for AI model development and enables continuous learning in the cloud or on the edge. Now, with customers in the drone, robotics, smart device, industrial inspection and AI professional services verticals, Neurala's technology has been deployed on 30 million devices globally.

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## The Brain Builder ROI

Neurala's Brain Builder platform provides a cost-effective, easy-to-use solution for the robotics market. Brain Builder allows for rapid prototyping, so that product teams can iterate and customize quickly for integrating vision AI – with as little friction as possible – into robots, all without needing any AI expertise to do so. Brain Builder also requires less data than previously needed to build effective, custom robotics models.

With a vast array of deployment options (including edge deployments), real-time learning capabilities and tools for facilitating a seamless integration (along with additional services Neurala can provide for successful integrations), the Brain Builder platform offers the greatest ROI for product developers who are looking to create, implement, manage and customize vision AI systems.

**Curious if Brain Builder can enable you to reduce risk in your robotics application? Sign up and try it for free at [www.neurala.com](http://www.neurala.com).**