



Your fast lane to autonomous vehicle

Automated Driving Simulation Platform



Company Overview

Founded by a team of experts with deep experience in developing ADAS, computer vision, and Deep Neural Networks, Cognata opens the fast lane to autonomous driving with its automated driving validation product.

Cognata brings the power of artificial intelligence, deep learning and computer vision to create 3D city models, simulate virtual driving behaviors, and realistically emulate vehicle sensors, shaving years off the validation process and accelerating the time to market for autonomous vehicles.

DriveLab Technology & Platform

Cognata's simulation platform includes a 3D environment created with deep neural network (DNN) technology, along with computer vision, sensor emulation, localized driving behavior for worldwide locales, and the ability to generate uniquely realistic ground truth databases and driving scenarios.

The simulation software connects with the automated driving system of the OEM/T1 and reduces the time to market by providing an extensive cloud based testing and validation sessions on millions of miles, prior to road tests, for each vehicle model and sensors combination.

Static

Dynamic

Sensing

Cloud



Our Products

Offering a rich set of modules specifically developed to interface with existing autonomous driving software and sensor arrays.

Scenario Studio

Create an extensive range of various scenarios that can be tested, validated and repeated. Manually control each scenario or fully automate the scenario building. Challenge the car AI with different use cases under any time of the day, weather conditions and geographic locations.



Analytics Dashboard

Processing mountains of data generated in the simulation sessions and translate it into meaningful analysis including interactive graphs, recommendations and correlations.

TrueLife Streets and Highways

Reality-grade 3D simulations of cities meshed with highways, roads, pavements and street signs. All modeled to scale with HD maps accuracy.



Cloud Platform

An advanced cloud-based simulation engine that generates simulation scenarios on an unlimited scale, enabling lower costs and faster time to market.



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