

Deepen AI announces new features for 3D semantic segmentation

New features boost accuracy and efficiency for enterprises and young scale-ups.

SANTA CLARA, CALIFORNIA, UNITED STATES, August 30, 2023 /EINPresswire.com/ -- [Deepen AI](#), a world leader in multi-sensor [annotation](#) tools and services, today announced exciting new additions to their 3D semantic segmentation capabilities. Deepen AI's tool supports over 500 million point clouds.

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Our innovative feature set enables safety-critical AI developers to access high-quality training & test data without high cost, long wait times, or being forced to simplify their requirements”

Mohammad Musa, CEO and Co-Founder at Deepen AI

The rise of 3D segmentation is on the rise thanks to its diverse applications. Deepen AI's cutting-edge solution empowers enterprises to detect precise object class, shape, size, and other intricate characteristics, all the way down to the point level. Until now, performing 3D segmentation posed challenges due to its complexity and high costs, often limiting access to detailed training and

validation data.

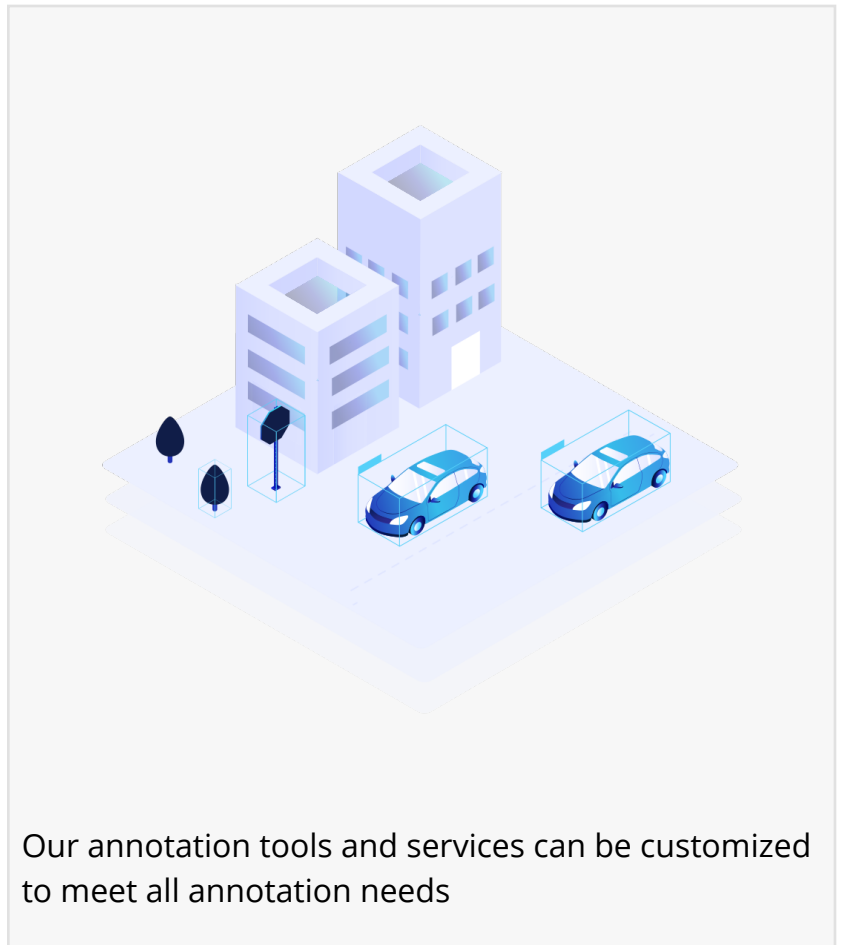
The enhanced feature set includes:

- Fused Point Cloud: Deepen AI's fused point cloud technology efficiently combines data from various sensors. This integration results in richer and more comprehensive annotations that significantly enhance model accuracy and performance.
- Advanced Point Categorization: Deepen AI empowers annotators by offering the ability to hide/unhide any class of points, creating cleaner and more focused point clouds that contribute to higher-quality training data.
- Dynamic Paint Import: Deepen AI's semantic segmentation tool enables the import of classification from 3D bounding boxes, allowing a more intuitive and efficient annotation process.
- Foreground/Background Paint: With the introduction of paint annotations in both foreground and background contexts, Deepen AI enhances the granularity of annotations. This distinction

refines the training data for machine learning models, ultimately leading to more accurate and reliable results.

- Multi-Category Selection: Annotators can select and edit multiple categories simultaneously without affecting other points. This mode enhances efficiency and precision, ensuring optimal accuracy in labeling.

Mohammad Musa, CEO and Founder of Deepen AI, shared, "Our AI-powered annotation tool combines 3D semantic segmentation with 3D and 2D bounding boxes, setting new benchmarks for ROI and quality. Our innovative feature set enables safety-critical AI developers to access high-quality training & test data without high cost, long wait times, or being forced to simplify their requirements"



Leveraging years of experience, Deepen AI continues to push boundaries and innovate, offering a versatile annotation tool that caters to various industries such as Automotive, Robotics, Agriculture, and Drones.

On top of the semantics segmentation features, Deepen AI continues to offer enterprises a suite of productivity-enhancing features:

- Expert In-House Team: An in-house managed and trained workforce specializes in annotation, ensuring accuracy and quality.
- Advanced Reporting: Tailored reports deliver crucial insights at the click of a button, supporting diverse business requirements.
- Automation: Deepen AI's smart labeling function pre-labels data, reducing man-hours by over 85% and increasing efficiency.
- Quality Assurance: Built-in QA flows empower enterprises to verify processed data quality, maintaining the highest standards.

Deepen AI possesses several certifications that reinforce its commitment to compliance, including: AICPA SOC2, ISO 27001:2013 and GDPR Compliance.

Deepen AI will be exhibiting their latest technology at the IAA Mobility Conference in Munich, Germany from 4th-8th September 2023. To schedule a meeting with Deepen AI, please visit

www.deepen.ai or contact them at info@deepen.ai.

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