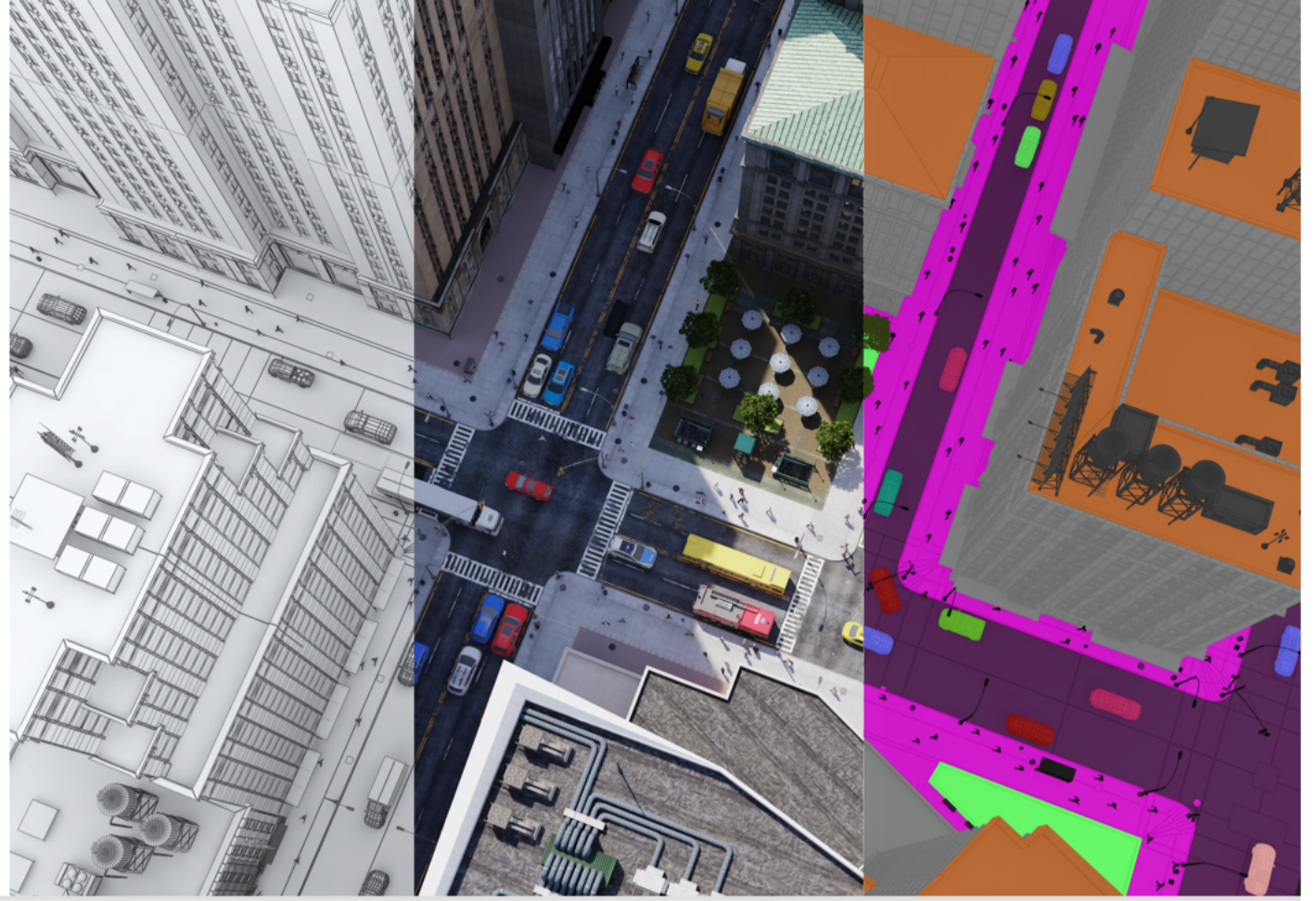


OneView accelerates machine learning algorithm training by creating virtual synthetic datasets for the remote sensing industry



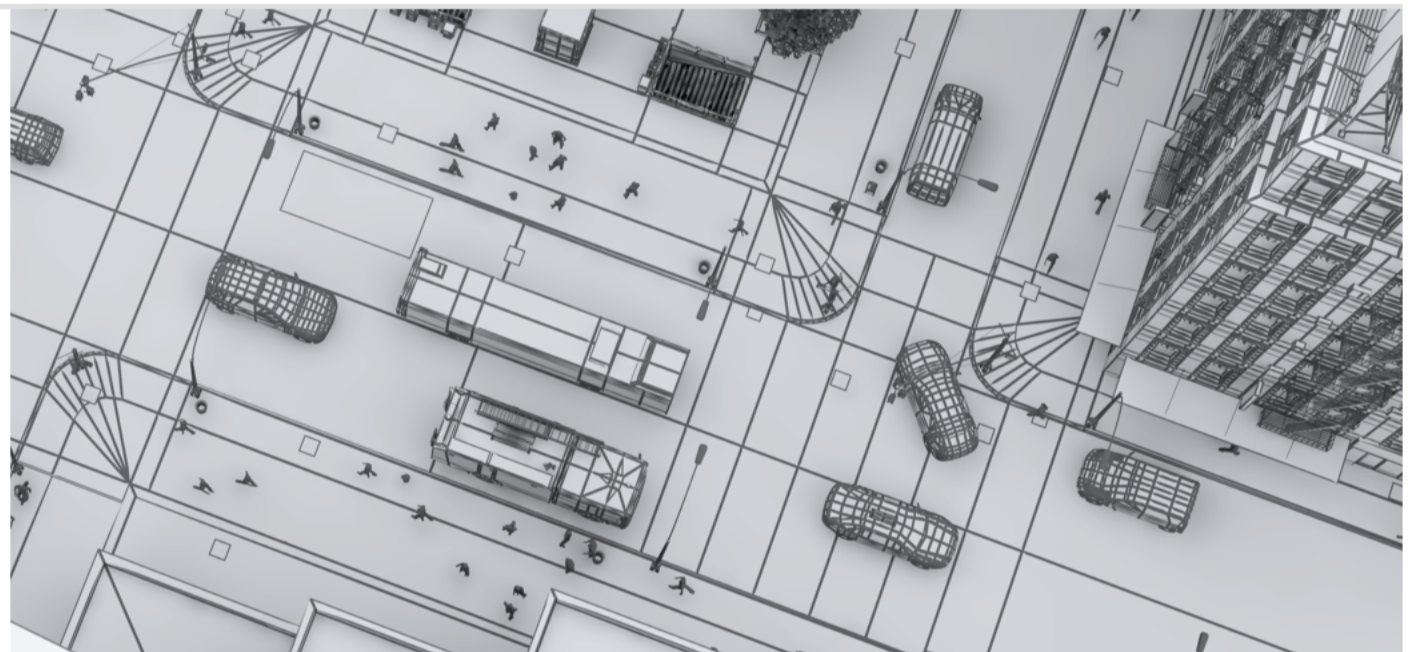
The Imagery Analytics Bottleneck

Machine learning algorithms that provide insights from imagery rely on a vast amount of training datasets. These are manually gathered and annotated and are the true bottleneck that holds back machine learning teams as they need to spend considerable time and money on data acquisition, preparation, and annotation.

Manually annotated datasets are expensive, take long to produce, and are error-prone.

OneView's Virtual and Optimized Datasets

Our datasets, virtually created by gaming engines in a swift, scalable, and cost-effective manner, are error-free, highly accurate, and come fully annotated. They come to replace manually-produced datasets, presenting a multitude of benefits that together solve the imagery analytics bottleneck.



Fully-Controlled

Virtually produced, allowing complete control over every aspect.



Fully Customized

Tailored for specific use case requirements of environment, object for detection, and type of sensor.



Edge Cases

Provide datasets for missing and rare cases, regardless of available coverage.



Advanced Annotation

Pixel-level annotation during production, resulting in ready-for-training datasets.

Any Environment. Any Object. Any Sensor.

The OneView platform is capable of generating datasets that answer all use cases, based on client requirements. Urban environment or maritime, cars or electricity lines, satellites, airplanes or drones.



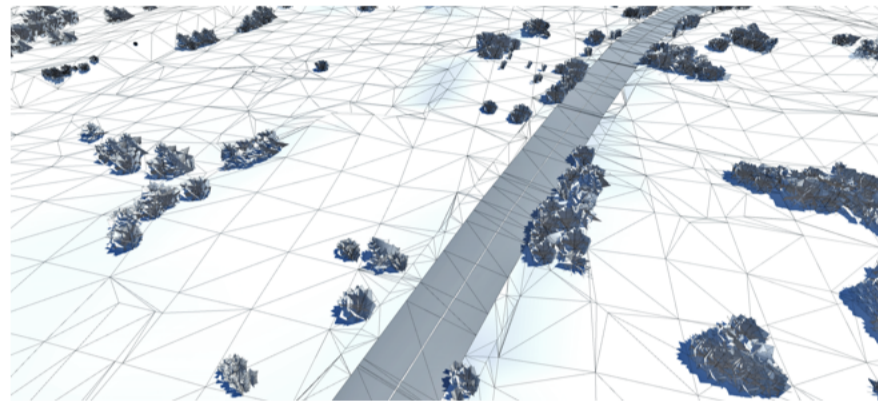
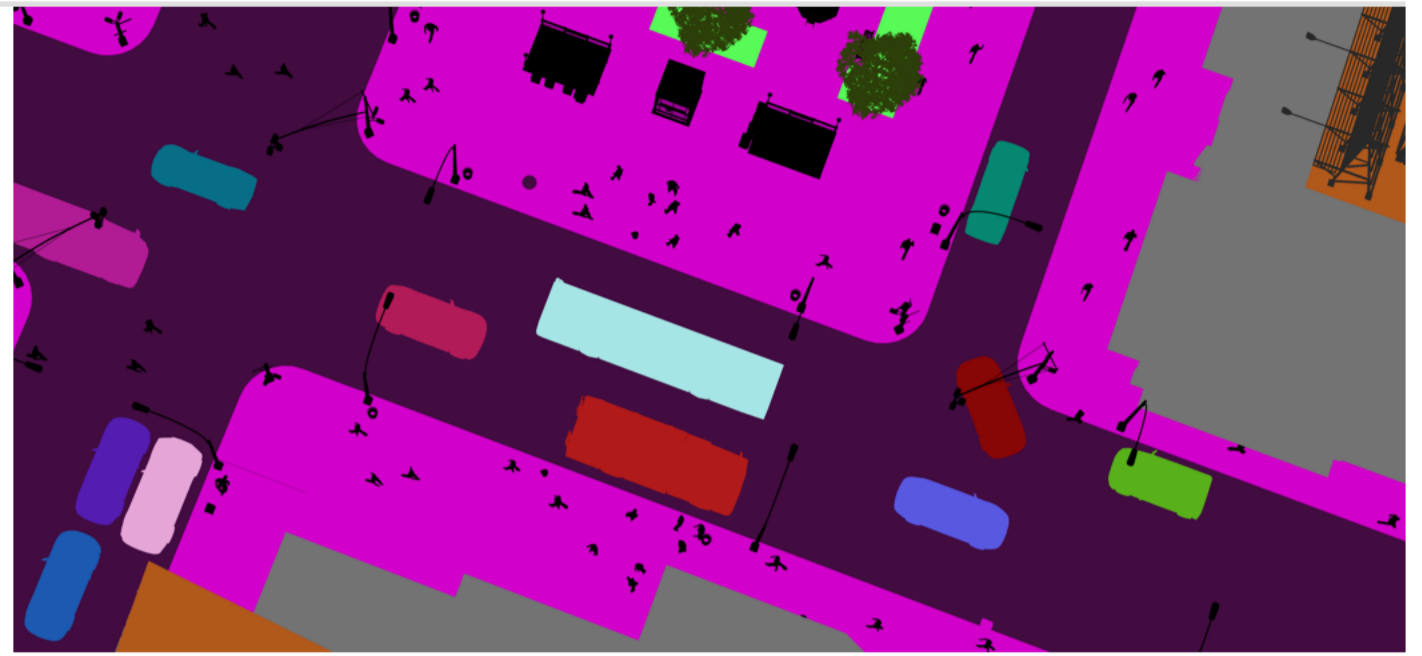
“OneView’s unique technology is a game-changer. It is valuable for numerous use cases, brings unique capabilities, and provides support in product development and AI knowhow.”

Kobi Katz,
VP & CIO at RAFAEL Advanced Defense Systems Ltd.

The Technology

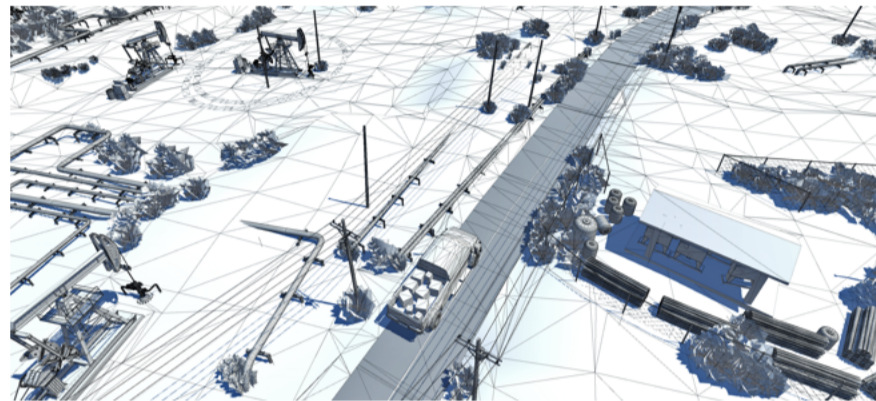
OneView's technology is based on six layers of structure, with randomization for each layer. It harnesses the power and flexibility of gaming engines to build virtual 3D models.

The 6-layer build process paradigm is:



1. Layout

Creation of the actual environment



2. Placement

Position of objects-of-interest, based on requirements



3. Appearance

Applying realistic materials, textures, and colors



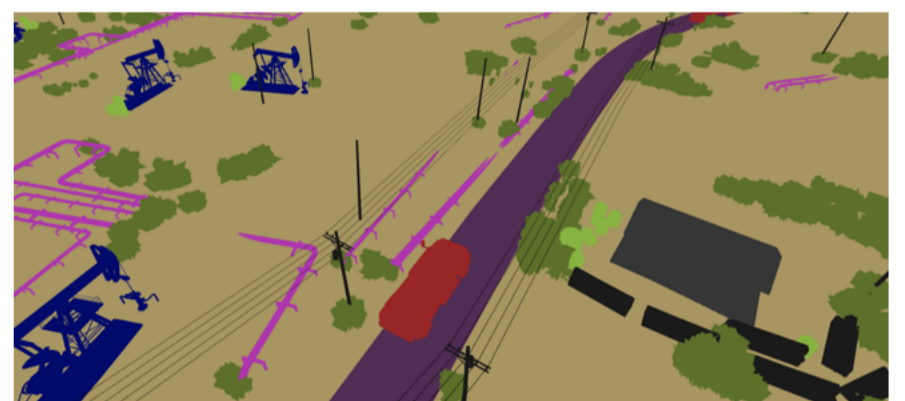
4. Conditions

Addition of variations of weather conditions and time of day



5. Sensor Parameters

Adaption to a specific sensor by applying resolution and angle



6. Annotation Specifications

Advanced annotations to accommodate added information

The OneView Chain Reaction



Immediate availability of datasets



Accelerated and cost-effective model training



Quick adoption to new objects and expansion to new environments



Discovery of any object in remote sensing imagery

About OneView

OneView is a platform for the creation of virtual synthetic datasets for analysis of earth observation imagery by ML algorithms. Founded by seasoned remote sensing experts, the company is based in Tel Aviv, Israel.

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