



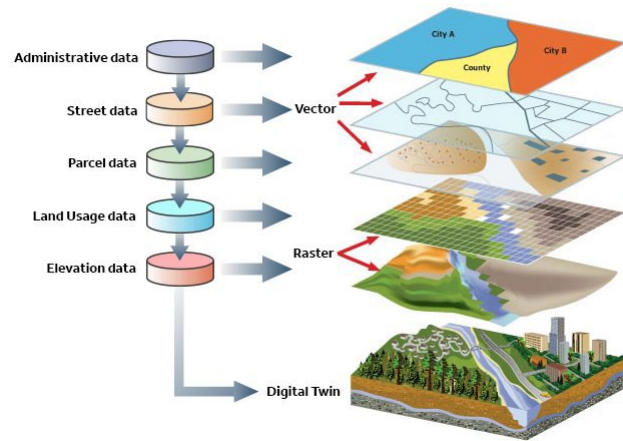
Even voorstellen



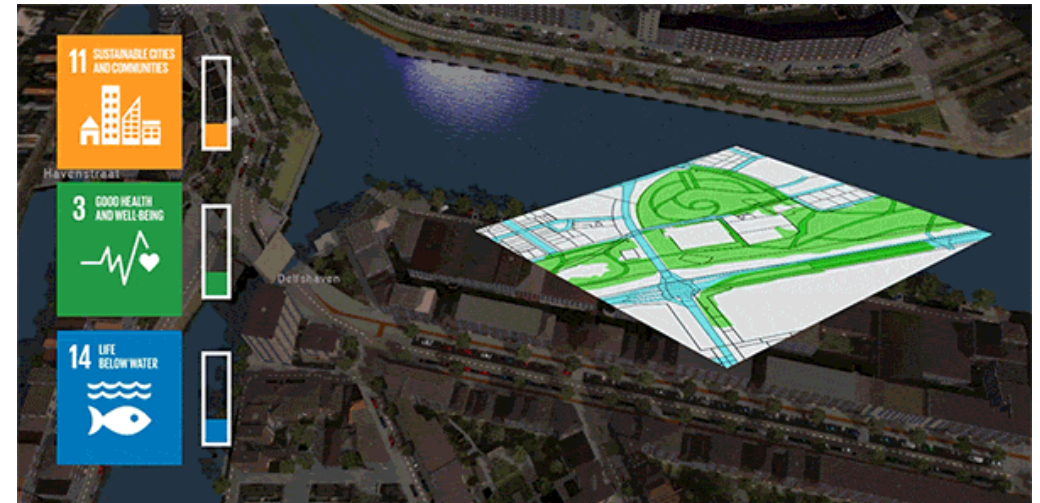
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Waarom gebruik maken van AI?



Integreren



Simuleren



Build Model



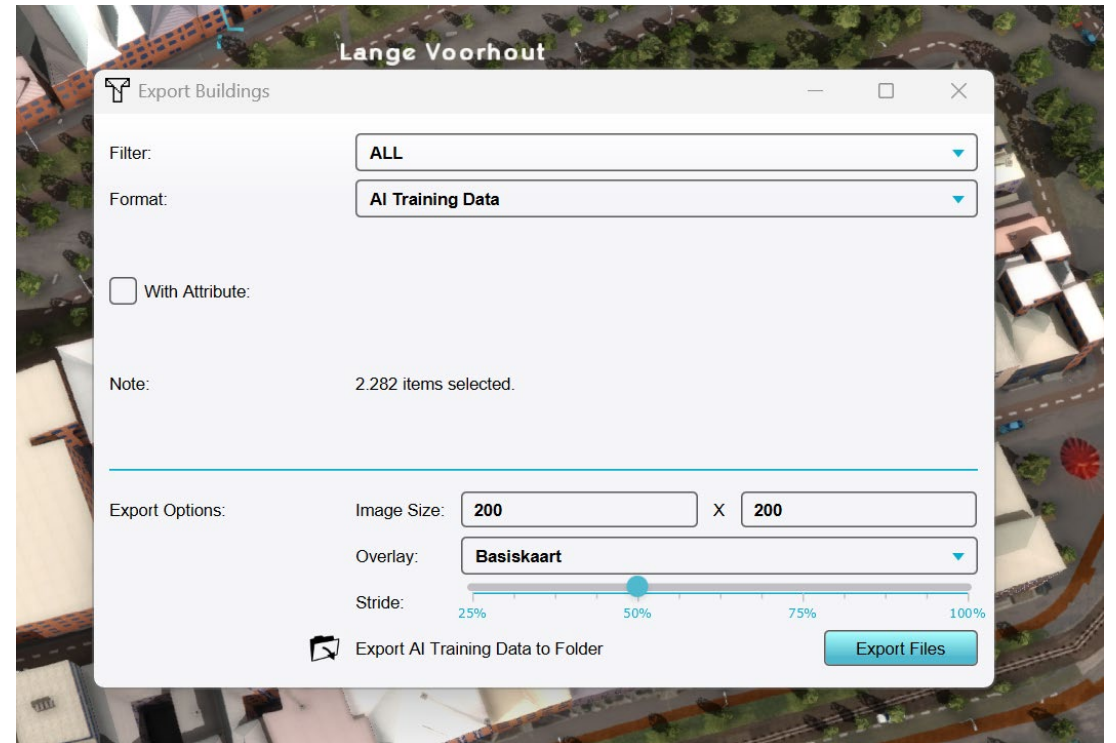
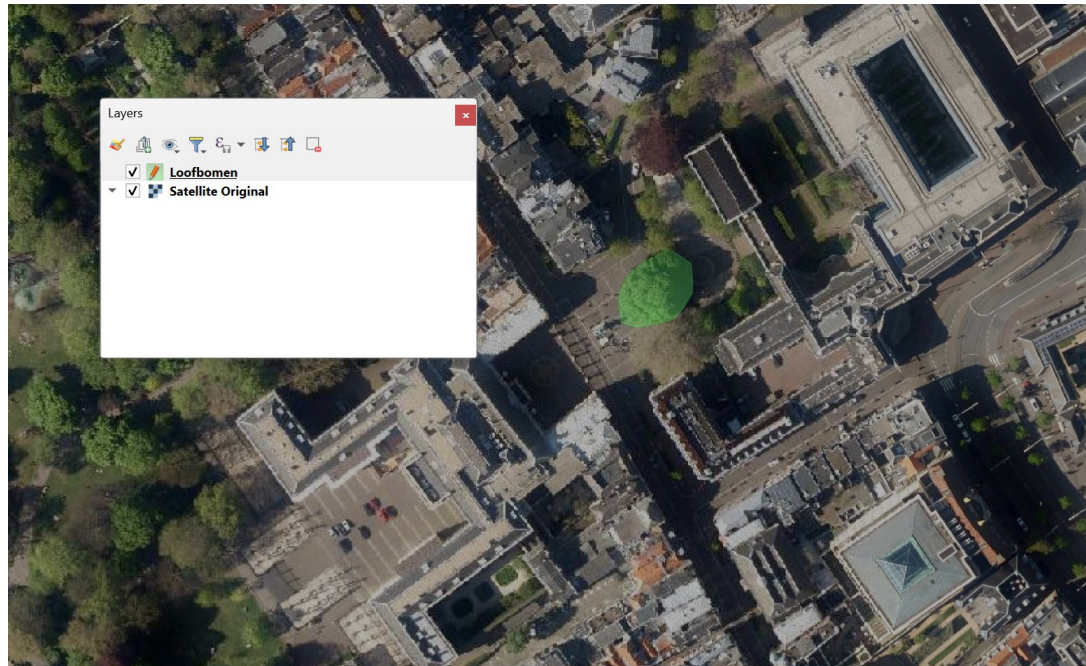
Deploy Model





Build Model

Trainingsdata maken met Qgis en Tygron





Build Model

Neuraal netwerk trainen met Python

```
jupyter example_config Last Checkpoint: 23 minutes ago
File Edit View Run Kernel Settings Help Not Trusted
JupyterLab Python 3 (pykernel)

[1]: from training_libs import retrievePytorchDetectionLibs
    retrievePytorchDetectionLibs()

[2]: from inference_training import Configuration, ImageDataset
    from inference_training import initCudaEnvironment, createTransforms
    from inference_training import drawImageAndFeatureMasks
    from inference_training import exportOnnxModel, writeONNXMeta, loadONNX
    from inference_training import trainModel, saveModel, loadModel
    from inference_training import createModelInstance, testInference
    from inference_training import logger

[3]: initCudaEnvironment(numCudaDevices=1,
    visibleCudaDevices="0",
    clearCudaDeviceCount=False)

[4]: # train on the GPU or on the CPU, if a GPU is not available
    config = Configuration()
    print("Device: " + str(config.device))

    trainDirectory = "<PATH TO TRAIN FILES>"
    testDirectory = "<PATH TO TEST FILES>"

    config.setDatasetPaths(trainPath=trainDirectory, testPath=testDirectory)
    config.setFilePrefix("")
    config.setModelName("mytrainedmodel")
    config.setInputSizes(inputWidth=250, inputHeight=250)
    config.setInputCellSize(cellSizeM=0.25, minCellSizeM=0.1, maxCellSizeM=0.5)
    config.setAutoLimitLabel(False)
    config.setVersion(20250121)

    print("Version: " + str(config.version))

    config.setModelInfo(channels=3, numClasses=2+1, # (1 + background)
    bboxOverlap=True, bboxPerImage=250, reuseModel=False)
    config.setEpochs(1)
```

NEWS: ONNX v1.17.0 Released [Read more >](#)

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ONNX

Open Neural Network Exchange

The open standard for machine learning interoperability

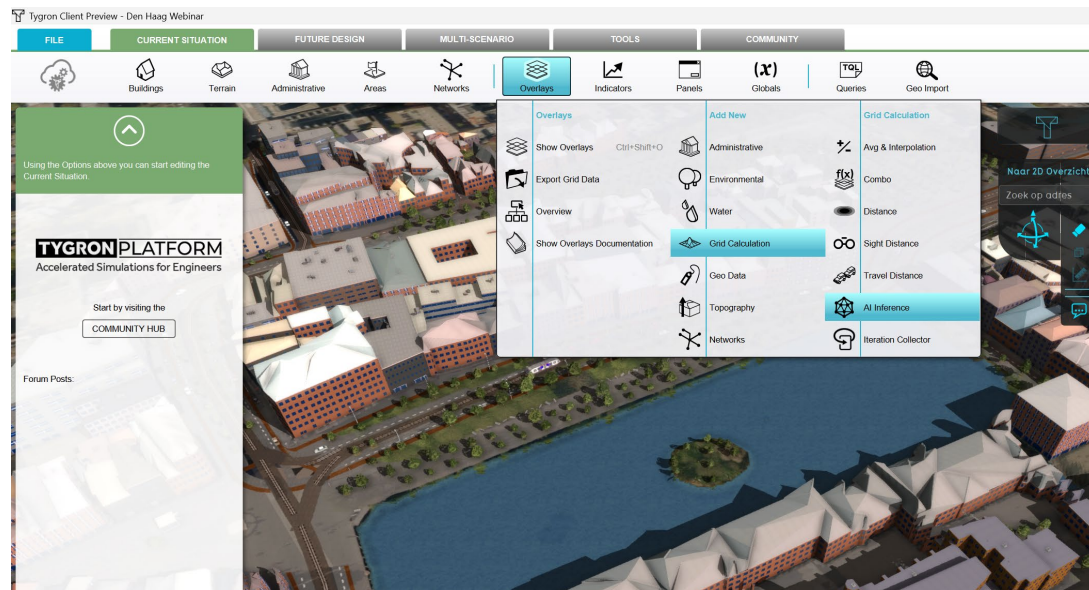
[GET STARTED](#)

ONNX is an open format built to represent machine learning models. ONNX defines a common set of operators - the building blocks of machine learning and deep learning models - and a common file format to enable AI developers to use models with a variety of frameworks, tools, runtimes, and compilers. [LEARN MORE >](#)

KEY BENEFITS

Deploy Model

Uitvoeren van je neurale netwerk in Tygron



Products Solutions Industries For You Shop Drivers Support



NVIDIA Project DIGITS

A Grace Blackwell AI Supercomputer on your desk.

Powered by the NVIDIA GB10 Grace Blackwell Superchip, Project DIGITS delivers a petaflop of AI performance in a power-efficient, compact form factor. With the NVIDIA AI software stack preinstalled and 128GB of memory, developers can prototype, fine-tune, and inference large AI models of up to 200 parameters locally and seamlessly deploy to the data center or cloud.

Largest Companies by Marketcap

Companies: 10,442 total market cap: \$116.997 T

Rank by Market Cap Earnings Revenue Employees P/E ratio Dividend % Market Cap gain More +

Rank	Name	Market Cap	Price	Today	Price (30 days)	Country
1	Apple	\$3.674 T	\$244.60	+1.27%		USA
2	NVIDIA	\$3.400 T	\$138.85	+2.63%		USA
3	Microsoft	\$3.036 T	\$408.43	-0.51%		USA
4	Amazon	\$2.423 T	\$228.68	-0.73%		USA
5	Alphabet (Google)	\$2.266 T	\$186.87	-0.54%		USA
6	Meta Platforms (Facebook)	\$1.866 T	\$736.67	+1.11%		USA

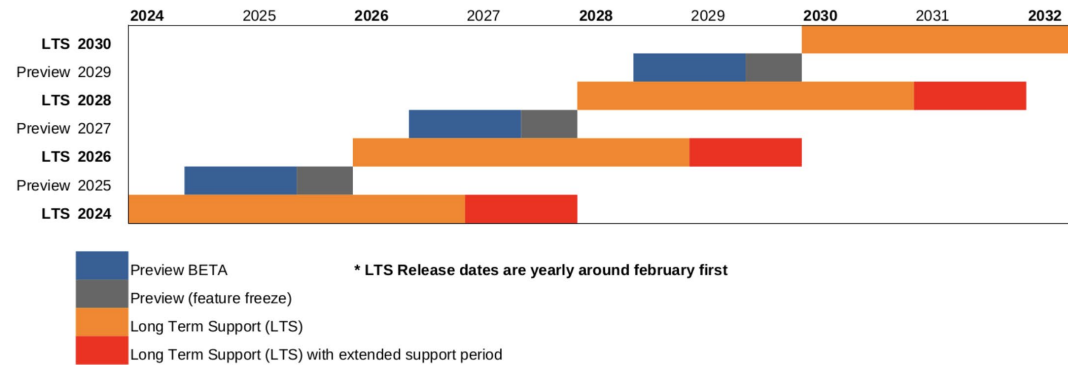
#GPUs: ANY 0X 1X 2X 4X 8X 9X+ On-Demand 95 GPUS Europe Price (dec.)

m:32293	host:182369	Iceland, IS	Motherboard	↑4911 Mbps ↓5722 Mbps	799 ports	verified Max Duration 10 days	\$21.006/hr	
	vast.ai	Type #16904475	8x H100 SXM 428.2 TFLOPS Max CUDA: 12.6	80 GB 2500.8 GB/s 478.1 GB/s	Xeon® Platinum ... 160.0/160 cpu 1548/1548 GB	Micron_7450_MT... 4833 MB/s 6478.3 GB	1668.9 DLPerf 79.4 DLP/\$/hr Reliability 98.8%	RENT
m:20897	datacenter:21357	The Netherlands, NL	OKKORG	↑346 Mbps ↓903 Mbps	8191 ports	verified Max Duration 4 mon.	\$9.603/hr	
	vast.ai	Type #11429134	4x H100 SXM 214.1 TFLOPS Max CUDA: 12.2	80 GB 2510.8 GB/s	Xeon® Gold 6448Y 64.0/128 cpu 516/1032 GB	Dell NVMe ISE P... 30729 MB/s 5052.6 GB	943.0 DLPerf 98.2 DLP/\$/hr Reliability 99.932%	RENT
m:31167	host:183033	Poland, PL	061R8G	↑831 Mbps ↓666 Mbps	399 ports	verified Max Duration 10 days	\$8.004/hr	
	vast.ai	Type #16495740	4x H100 NVL 214.1 TFLOPS Max CUDA: 12.4	94 GB 1889.6 GB/s	CPU 128.0/128 cpu 1032/1032 GB	nvme 3926 MB/s 156.0 GB	771.6 DLPerf 96.4 DLP/\$/hr Reliability 97.6%	RENT



Tygron Client Preview
App

Iedereen met een Tygron licentie kan op de Preview



Tygron zet in op AI

- Samenwerking met:
 - Hogeschool van Utrecht
 - Van Hall Larenstein
- Gratis onderwijslicenties voor universiteiten en hogescholen
- Samenwerken met beroepsgroepen



Hoe gebruiken we AI om neerslag beter vast te houden waar het valt?

tygron.com