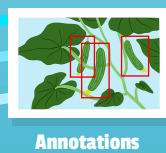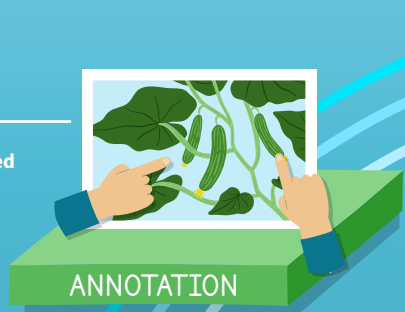# AI & AGRICULTURE

MAKING AUTOMATION INTELLIGENT
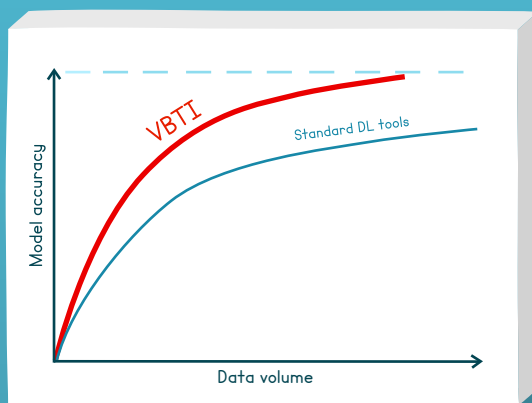
AUTODL

Annotations

Data **annotation quality is increased** by integrating 3rd party annotation services with the AutoDL platform.
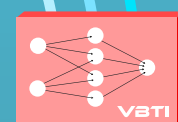
ANNOTATION

Faster model training is enabled by the AutoDL Scheduler that efficiently manages training jobs on a GPU cluster.

The best performing models are returned via Hyperparameter Optimization techniques.

TRAINING

Model

Data

VBTI

Standard DL tools

Model accuracy

Data volume

VBTI AutoDL operationalizes deep learning to automate new agricultural applications. It uses state-of-the-art AI technologies to **reduce annotation cost, speed up data-to-model deployment** and **optimize model performance**.

Deep learning models **quickly adapt to new situations** due to shorter data-to-model time enabled by remote data collection.
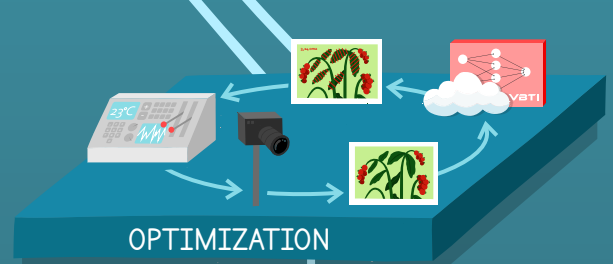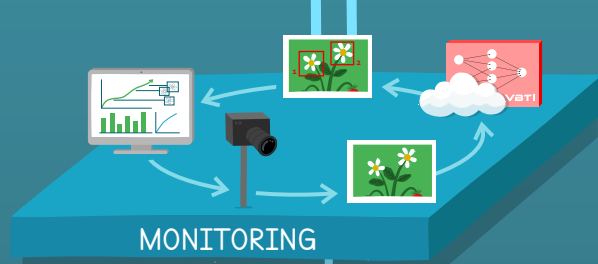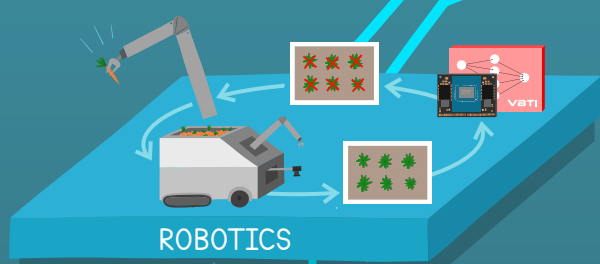
DATA

DEPLOYMENT

Deep learning models can be **deployed in the cloud or on embedded platforms.**

Container technology makes it **easy to deploy models** independent of the hosting hardware and deep learning

Data **annotation cost is reduced** via Active Learning and Semi-Supervised Learning techniques that smartly select relevant data only.

APPLICATIONS

ROBOTICS

MONITORING

OPTIMIZATION

SITUATIONS

FIELD A — FIELD B

PLANT A — PLANT B

GREENHOUSE A — GREENHOUSE B

VBTI

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