



# Innovate faster. perform smarter.

## From Vision AI to Physical AI

At VBTI Consultancy, we turn the latest AI research into reliable, working systems. Our engineers and researchers design, build, and integrate **AI and vision technologies** that perform — from factory floor to open field.

With over five years of development behind it, our **OneDL platform** connects every step of this process — from data collection and model training to deployment, monitoring, and continuous improvement.

We help customers move from concept to production, bringing intelligence to machines, lines, and robots that learn, adapt, and deliver measurable results.

Let's build  
the future  
of intelligent  
machines.  
Together.

### GET IN TOUCH

Contact us to learn more about our AI engineering and consultancy services, OneDL platform or deep learning training programs. You're welcome to visit our office in Eindhoven, the Netherlands, to meet our team and see our deep learning demo's.

### CONTACT

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YOUR AI  
INNOVATION  
PARTNER

# VBTI CONSULTANCY

## We make automation intelligent



YOUR AI  
INNOVATION  
PARTNER

## What we do

- **Translate the latest AI breakthroughs** into proven industrial applications — helping you bring innovation from research to production faster.
- **Develop Vision AI systems** and integrate them into robotics and machine platforms — enabling smarter, more autonomous machines.
- **Design adaptive control and automation architectures** that connect perception, decision, and action — increasing reliability and performance in dynamic environments.
- **Accelerate your R&D with hands-on AI expertise** — turning prototypes into field-proven systems that deliver measurable business impact.



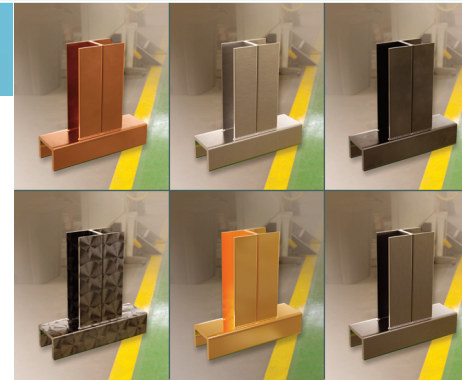
### Vision AI

We design vision intelligence that transforms pixels into understanding — decoding any image, in any light, with precision and purpose.

## AI for real-world impact

### Synthetic data

When real data is scarce, we generate infinite variations — creating the diversity AI needs to truly learn.



## Our core competences

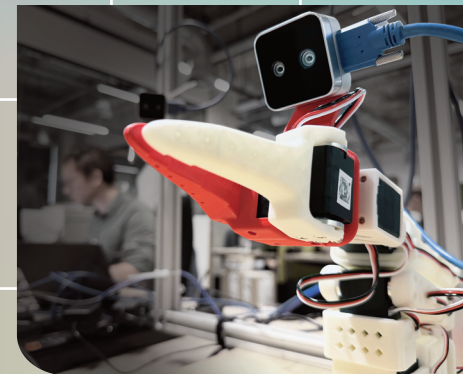
We combine deep expertise in:

- **Vision AI** – detection, segmentation, and inspection for complex environments.
- **Synthetic Data** – training AI for rare, variable, or hard-to-label cases.
- **AI-Based 3D Depth Sensing** – accurate spatial understanding for robotics and inspection.
- **Vision-Language Models (VLMs)** – AI that not only sees but understands and explains.

Together, these technologies form the foundation of Physical AI — intelligent systems that see, decide, and act safely in the real world.

### Physical AI

We turn artificial intelligence into real-world capability — learning systems that sense, decide, and deliver impact.



## Where we work

- **Agriculture** – precision farming, autonomous harvesters, self-learning sorting lines.
- **Manufacturing** – visual inspection, robot guidance, process optimization.
- **R&D and Innovation** – bridging research and industry through practical AI engineering.

## Why companies choose VBTI

- Deep expertise in AI, computer vision & robotics.
- Proven experience across agriculture and high-tech manufacturing.
- Collaborative approach — we build with you, not for you.
- Measurable ROI — systems that improve yield, quality, and uptime.
- Powered by OneDL — our AI platform for data-driven learning, traceability, and long-term reliability.

