

## Drones & AI: Save up to 90% of the effort compared to manual inventory

### Does your inventory create a lot of work every time you run it?

- Do you carry out the inventory mainly by manual counting?
- Would you like to shorten the time required for an inventory run?
- Do you have a large warehouse with storage areas that are sometimes difficult to access?
- Do you want to create more transparency about stock levels and would like to carry out more frequent stocktaking?

### The abat Drone & AI Inventory

- After completion of the project you will receive an innovative solution for the (partially) automated execution of your inventory
- Products can be identified and counted by bar and QR codes, part numbers, locations or even visual characteristics
- The solution can be adapted to any bearing layout and characteristics (also retroactively for adaptation to new products)
- The applied AI algorithms and models can be used for further use cases

abat is one of the leading SAP service providers for the automotive and manufacturing industries in Germany. Benefit from our AI expertise as part of your inventory process and use our state-of-the-art algorithms to detect and count products, instead of manual counting.



### Here's how we do it:

- Analysis of the existing conditions (bearings and products)
- Selection of the required building blocks from our inventory kit
- Pre-selection of suitable AI methods for recognition and counting of the products
- Feasibility testing through development of a prototype
- Evaluation of the preliminary results and planning of the realization of the project based on them.

### We deliver these results:

- Assessment of the feasibility of the project
- Created and pre-processed dataset (drone footage).
- Prototype for performing inventory including AI models capable of recognizing and counting products on image data.
- Concept for maintenance and subsequent operation of the application (e.g. model monitoring and retraining)

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### The Cost:

**From fixed price 20.000\* €**

\* You will receive a binding offer after an initial workshop (depending on stock and product characteristics).