Stacking boxes the hard way

We teach robots to staple pallets perfectly.

Ctrl + Alt + Elite

The Team



Andi

Made the whole thing possible by being our Robot guy. Beep Beep boop bop.



Big Brain from Sweden. In his free time he makes things rotate.



Franz

I came only for coffee and snacks.

Jonatan

Also from Sweden. Under his hat a genius kinda hides.



Why worry about pallets?

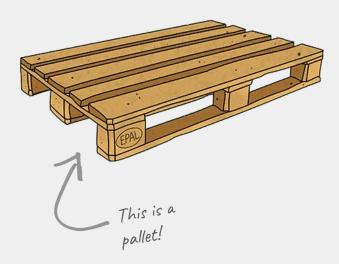
Pallets are used everywhere in the Industry!

Automation Industry

- Stacking and unpacking boxes
- Often unorderly stacked
- Often require manual intervention
- Automatic stacking is calculated ineffectively

Goal

Effective algorithm to detect rotation of boxes



Why worry about pallets?

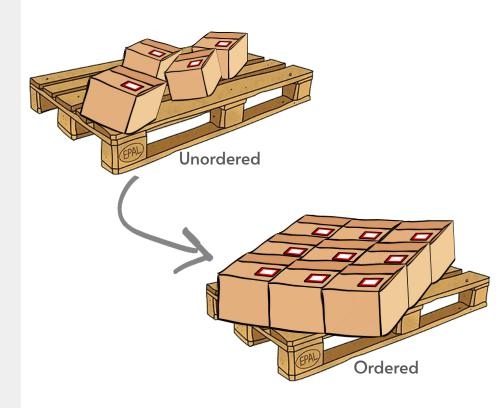
Pallets are used everywhere in the Industry!

Automation Industry

- Stacking and unpacking boxes
- Often unorderly stacked
- Often require manual intervention
- Automatic stacking is calculated ineffectively

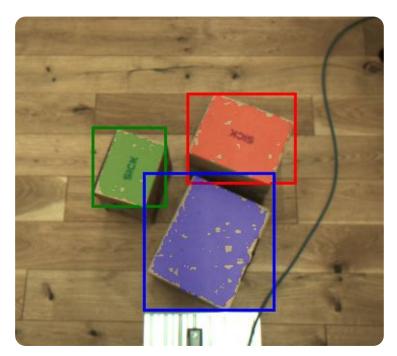
Goal

Effective algorithm to detect rotation of boxes

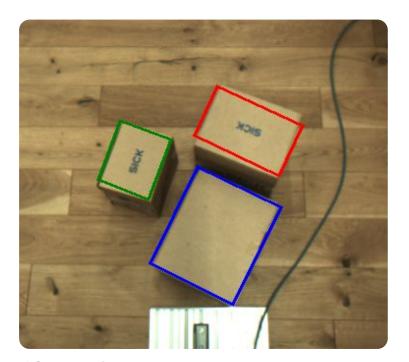


Showcase!

Robots stapling pallets perfectly.



Before our data processing.



After our data processing.

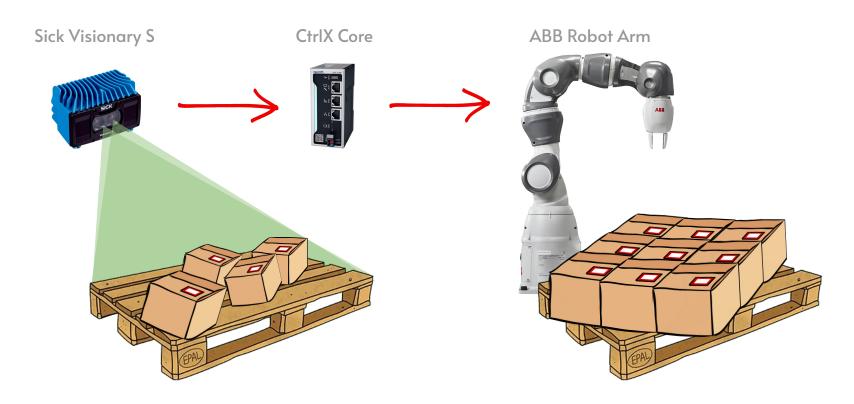
Showcase!

Robots stapling pallets perfectly.



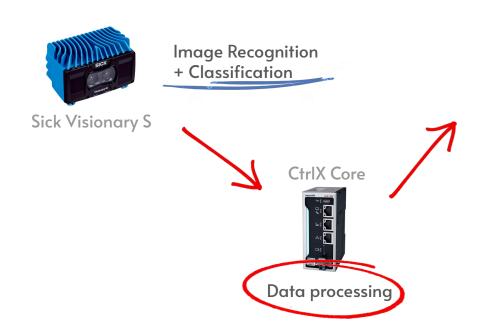
How does it work?

Scanning, Processing, Moving



How does it work?

Scanning, Processing, Moving





Sort and stack packages

Benefits of our Solution

Applications of our software.

Computationally lightweight

Cost efficient

Less manpower needed

One system: Simple setup



Who benefits?

Applications of our software.

Logistics & Warehousing

Shipping

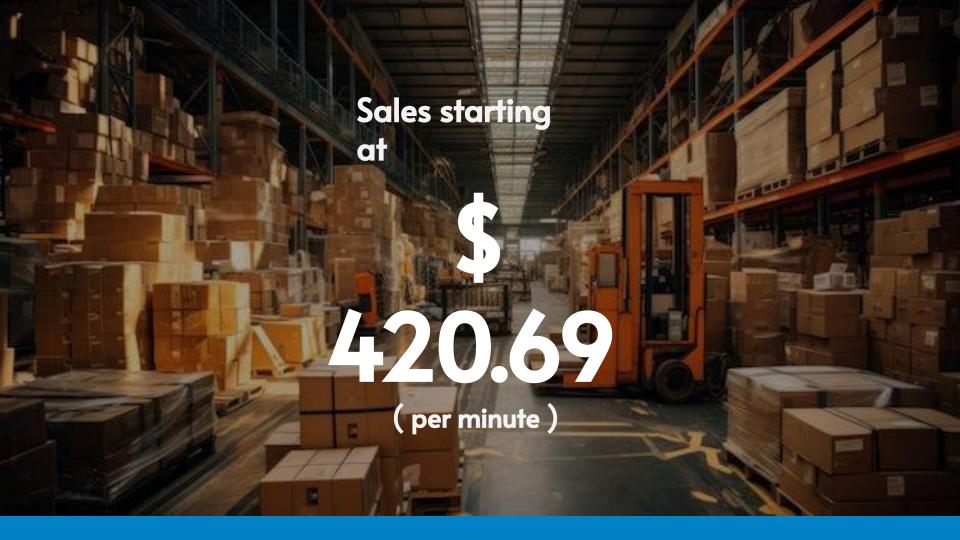
Retail

Automotive

Factories

... any Industry will profit from this!





Who's going to win?

We already won!

Maybe the prize was the friendships we made along the way???

