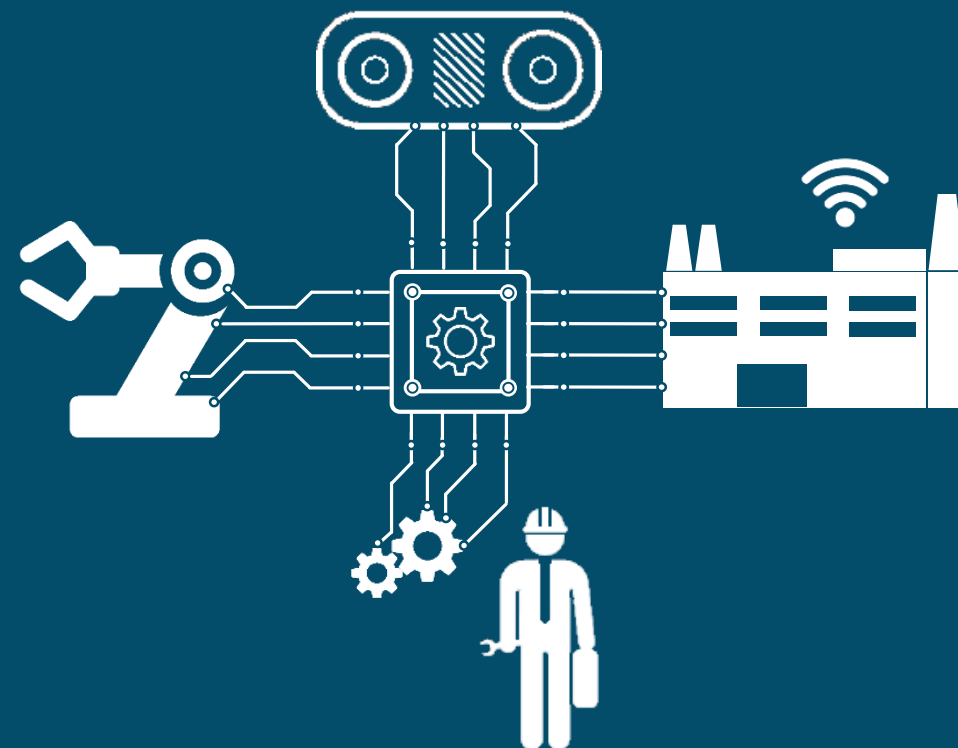


inos combines robotics with machine vision and develops innovative solutions that help you expand automation by increasing the autonomy of your processes.





1997 inos is founded in Stuttgart

1999
inos opens Development & Innovation center in Athens

2008
inos opens subsidiary in Detroit

2012
inos becomes member of Grenzebach

2019
We reach over 2000 installations globally

Today
inos expands further in AI

Our History



Our systems are trusted by the greatest car manufacturers and are compatible with the most prominent robot manufacturers



KUKA



FANUC
Robotics



YASKAWA

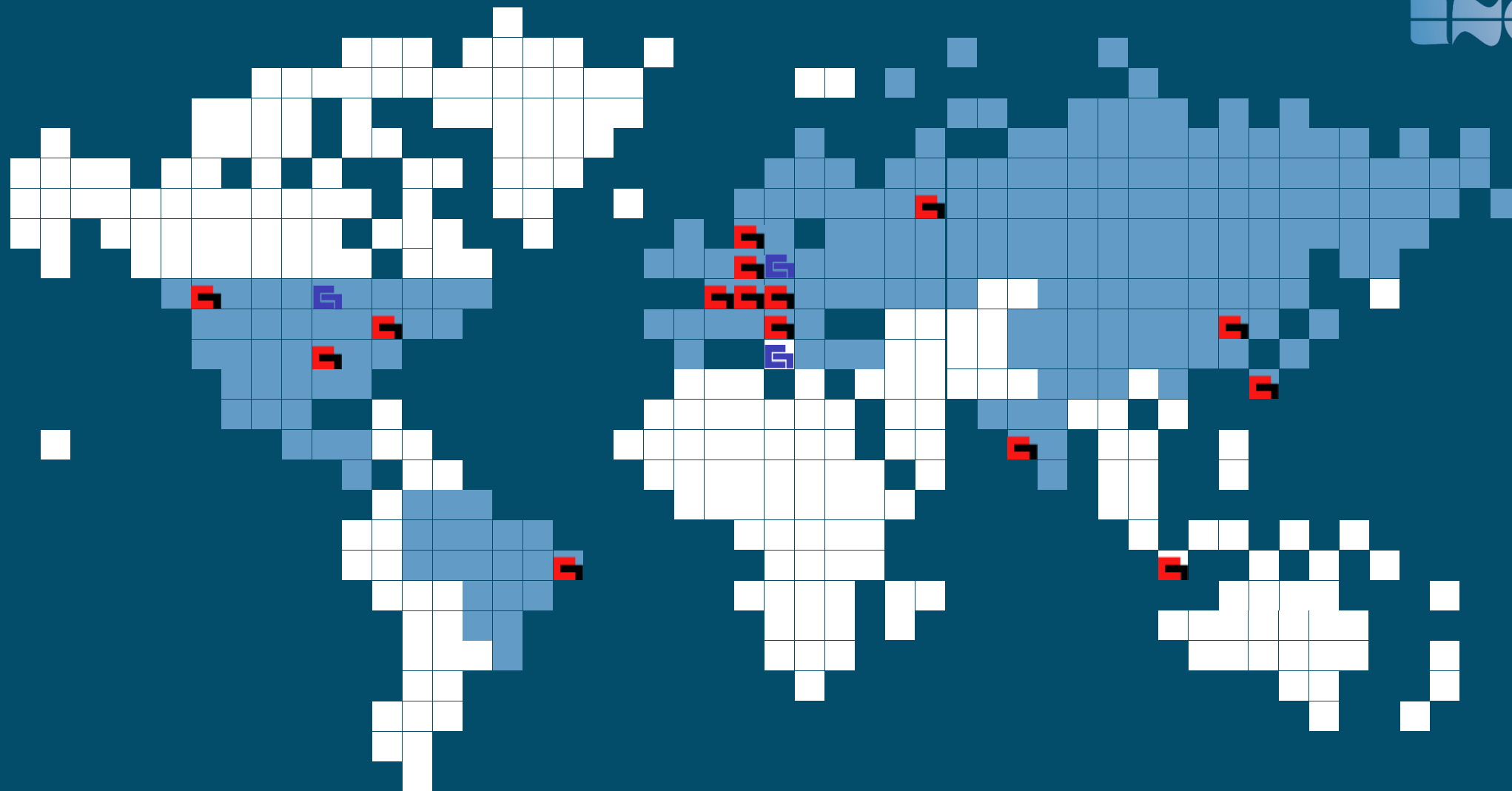


ABB
ROBOTICS



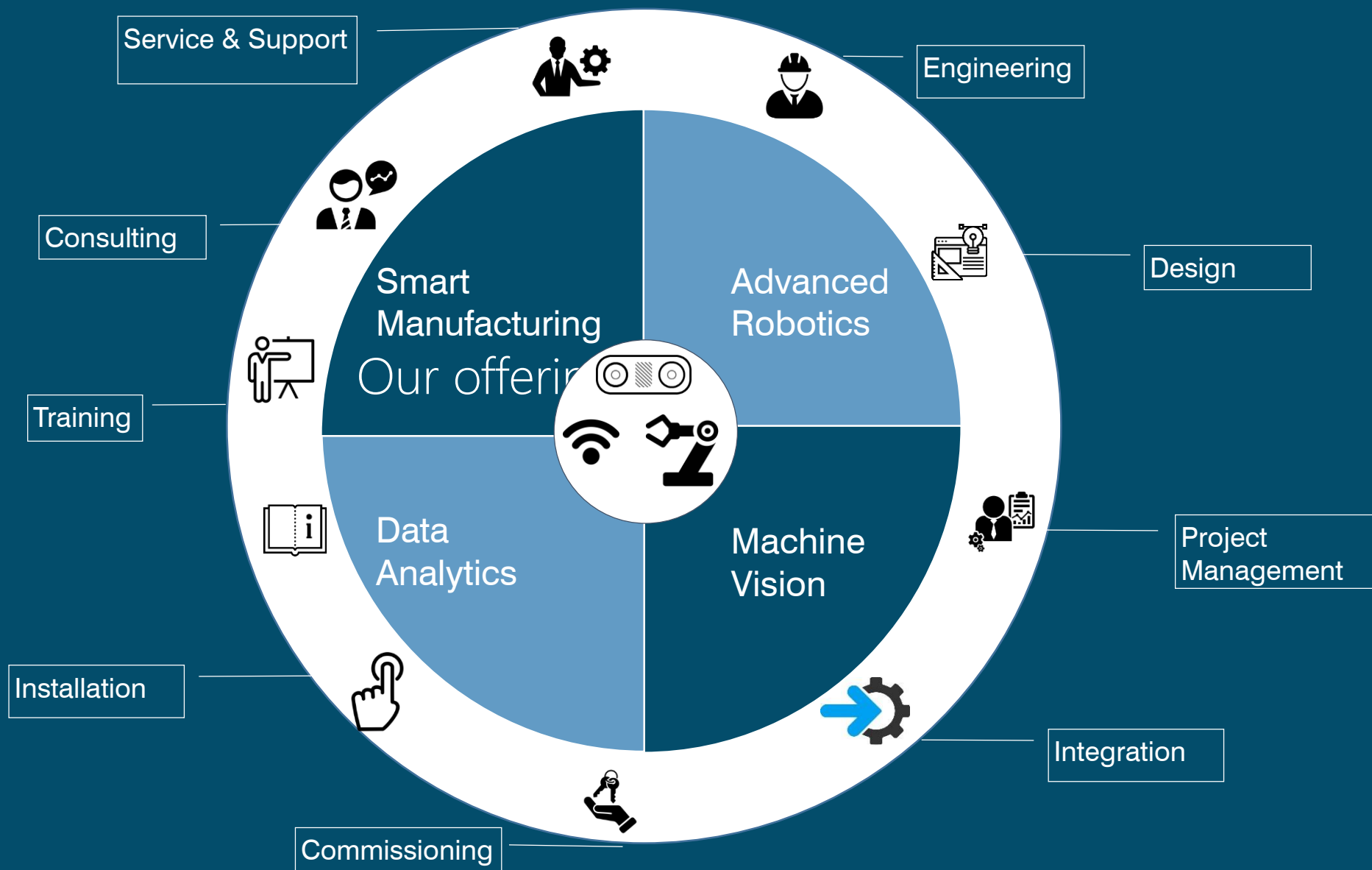
CLAAS

Kawasaki
Kawasaki Robotics

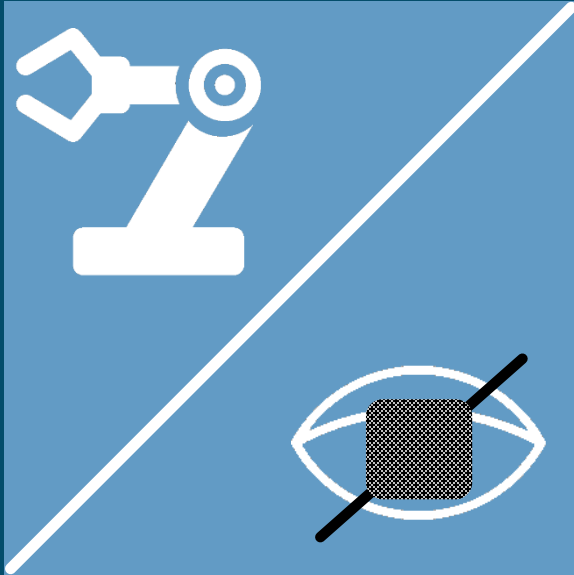


3 Office locations in Athens, Stuttgart & Detroit.

Global Network of Grenzbach guarantees
proximity wherever you are.



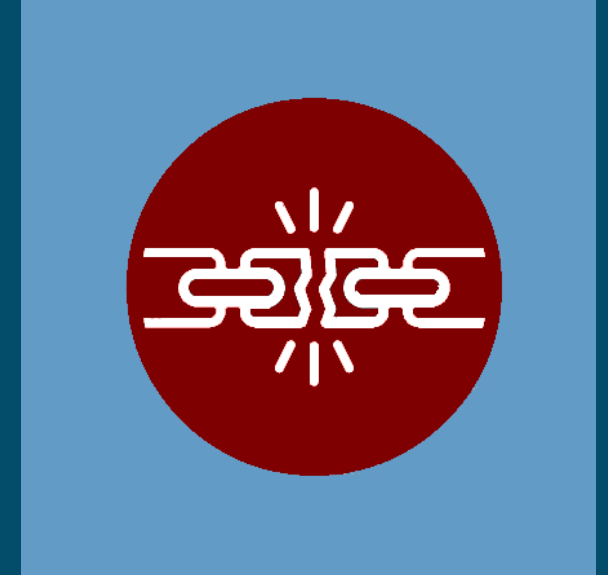
What problems we solve



Robots have no perception of the surrounding environment

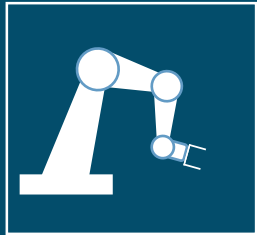


Process variability affects the conditions in which the robot-line-cell operates

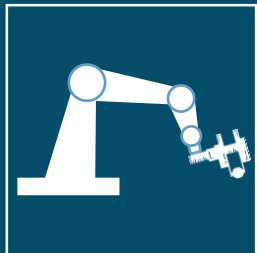


Quality defects leading to time consuming final inspection- severe rejects and customer claims

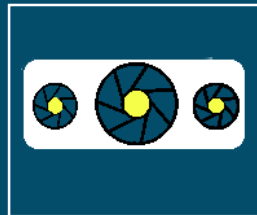
Our Solutions



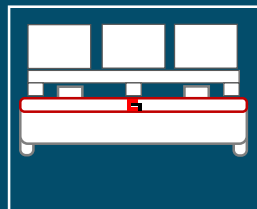
Robot Guidance



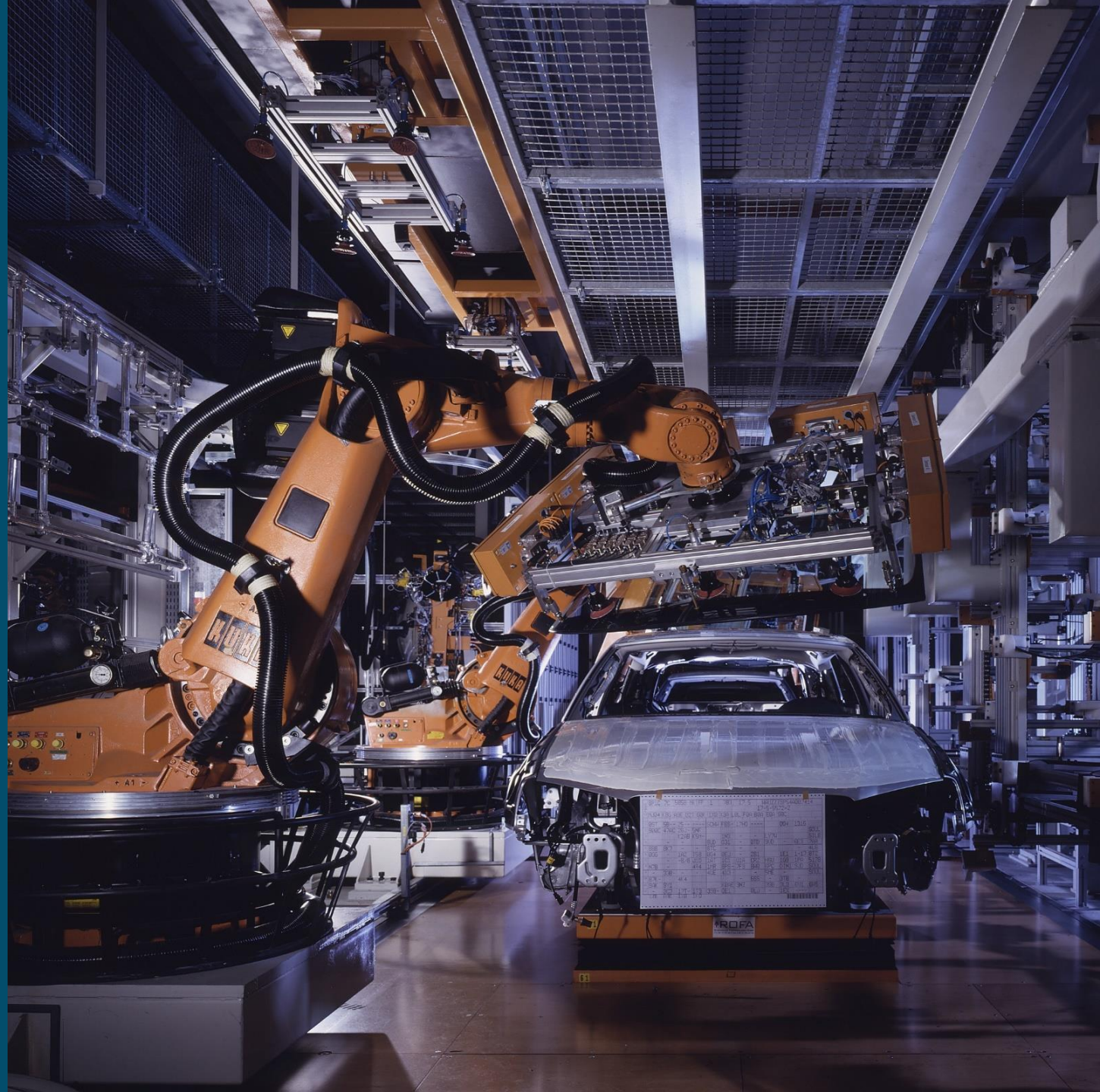
Metrology



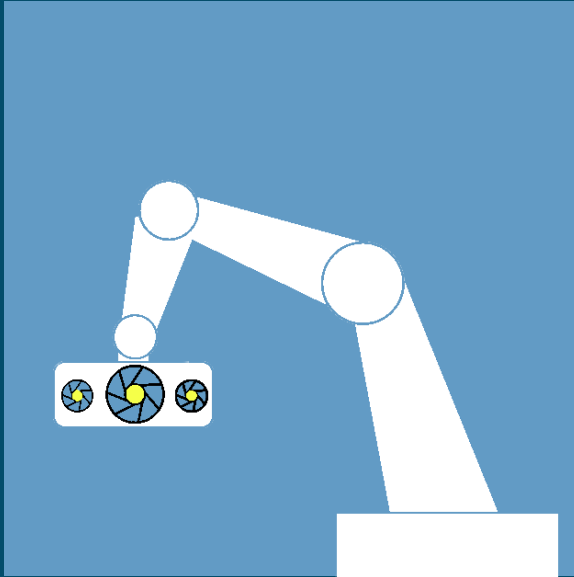
Verification



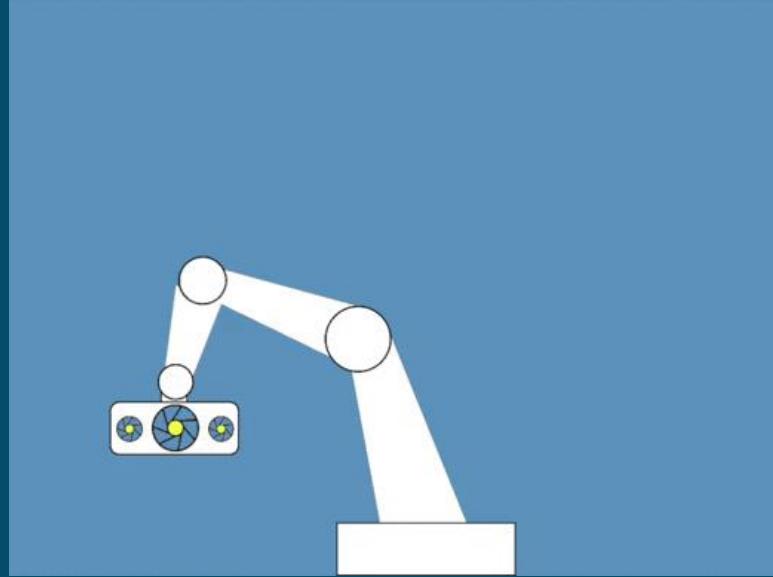
Intralogistics
Automated Guided Vehicles



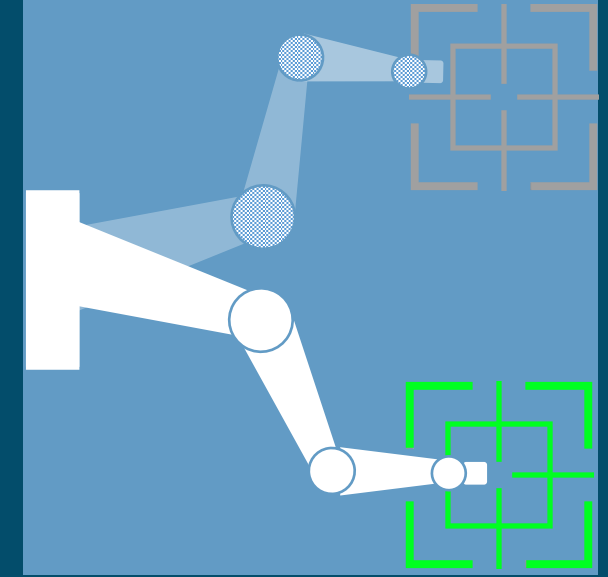
Robot Guidance



We equip robots with machine vision systems and give them the sense of sight

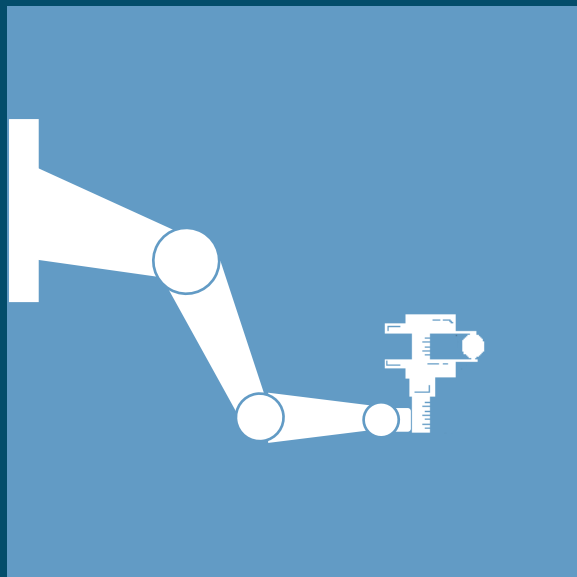


We establish communication between robot & sensors. Our systems take control of the robot.

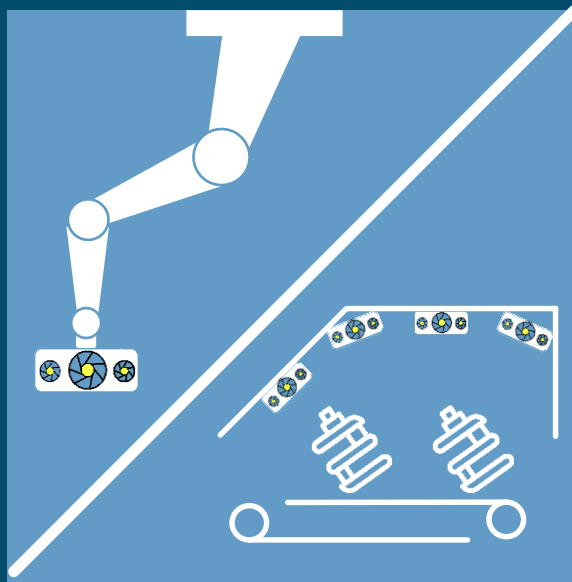


Our software informs the robot about the actual object position, modifies the path and guides the robot to the correct position

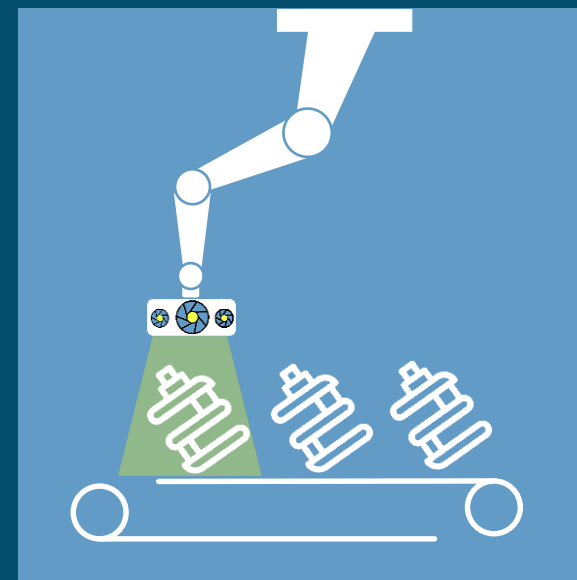
Metrology



We develop and install measurement algorithms in our vision systems



Measurements can be performed either by robots or by permanent installations at predefined locations



Sample control can be replaced by 100% inline measurements

Verification



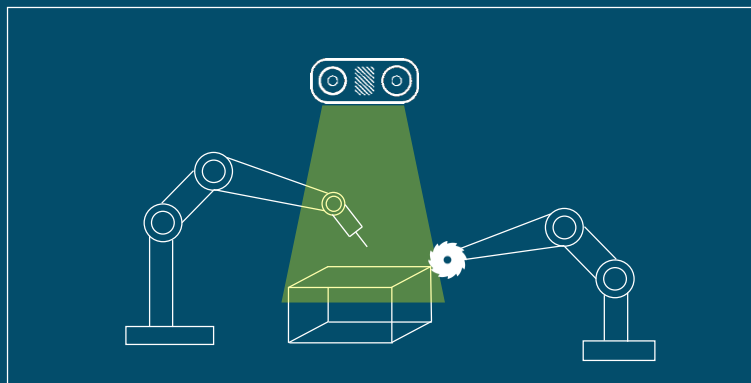
Customers provides defect list, master samples and area of interest



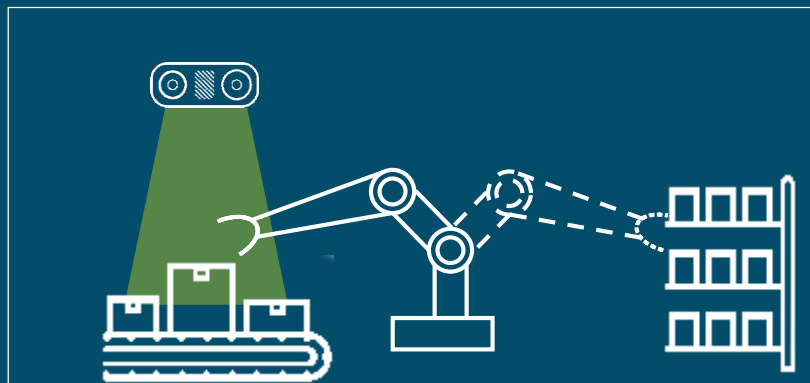
Inspections are configured by our software engineers and tested in our lab



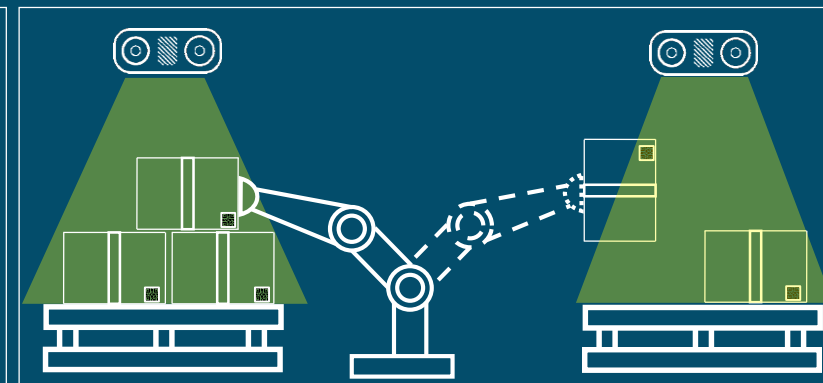
Other Applications



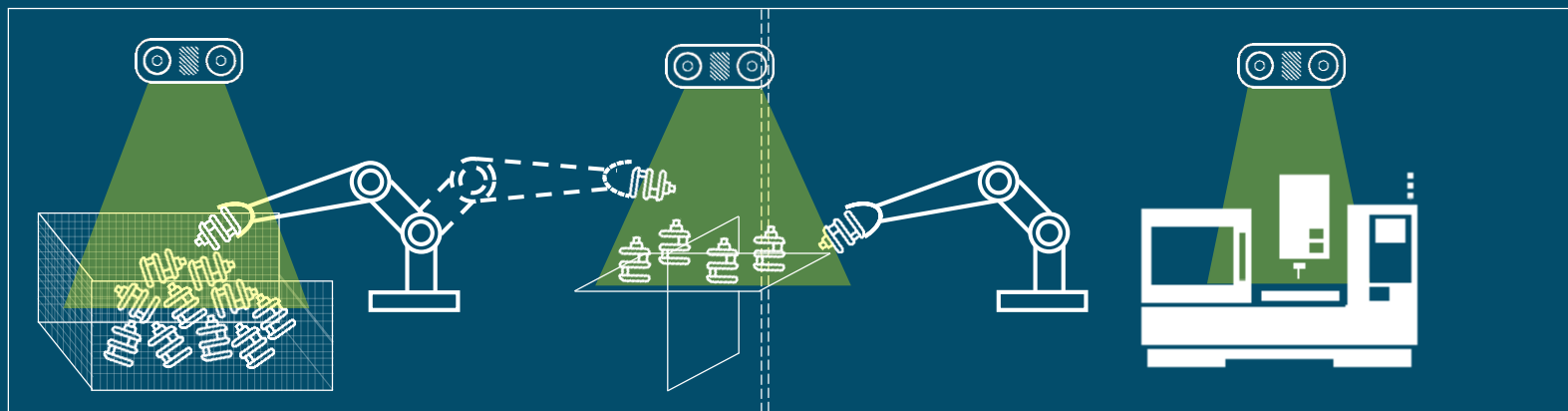
Machining & Processing Operations



Pick & Place



Palletizing & De-Palletizing



Bin Picking

Machine Tending

Intralogistics

Automated Guided Vehicles from Grenzebach allow the automation of transport tasks in the goods receipt, the warehouse, production and the shipping operations.

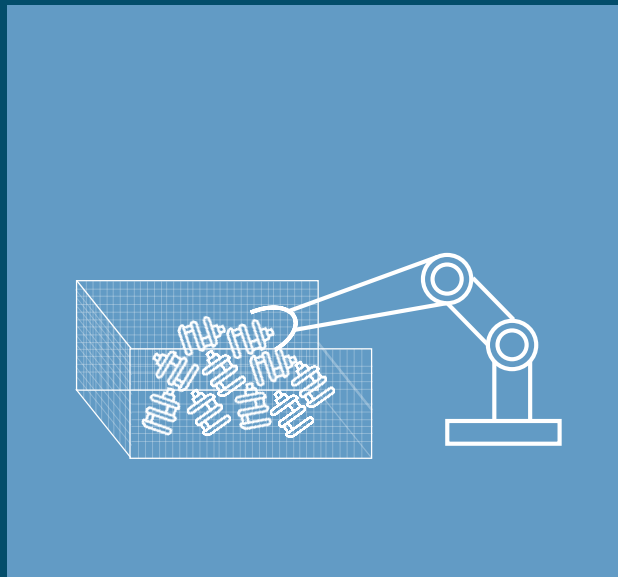
A wide range of Mobile Robots allows robust solutions - by means of different navigation methods, load carriers, weight categories, material handling and variable energy concepts



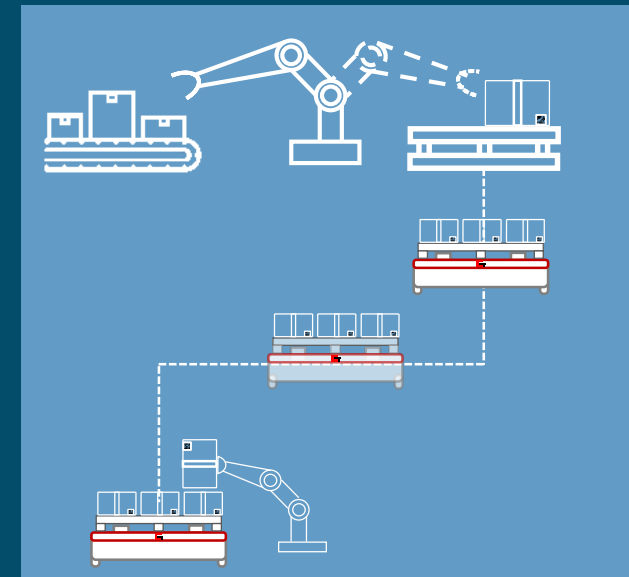
Under Development



Deep Learning for enhanced surface inspection & smart material handling



Random bin picking- The robot handles any type of material without prior knowledge of part types and their layout



End to end intralogistics



Add Vision to your Processes and
let us Guide you towards Industry 4.0





inos

Automationssoftware

THANK YOU

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