

End-of-Line Robotics & Automation

Dealing with changing product mix

PRODUCTIE PROCES
AUTOMATISERING

PPA 22



Industrie 4.0 Cyber Security
Industrial Internet of Things Data
Cloud IT/OT Integration

John van Hooijdonk

EMEA Industry Marketing Manager
Fast-Moving Consumer Goods

PRODUCTIE PROCES
AUTOMATISERING

PPA 22



Industrie 4.0 Cyber Security
Industrial Internet of Things Data
Cloud IT/OT Integration

Business Challenges

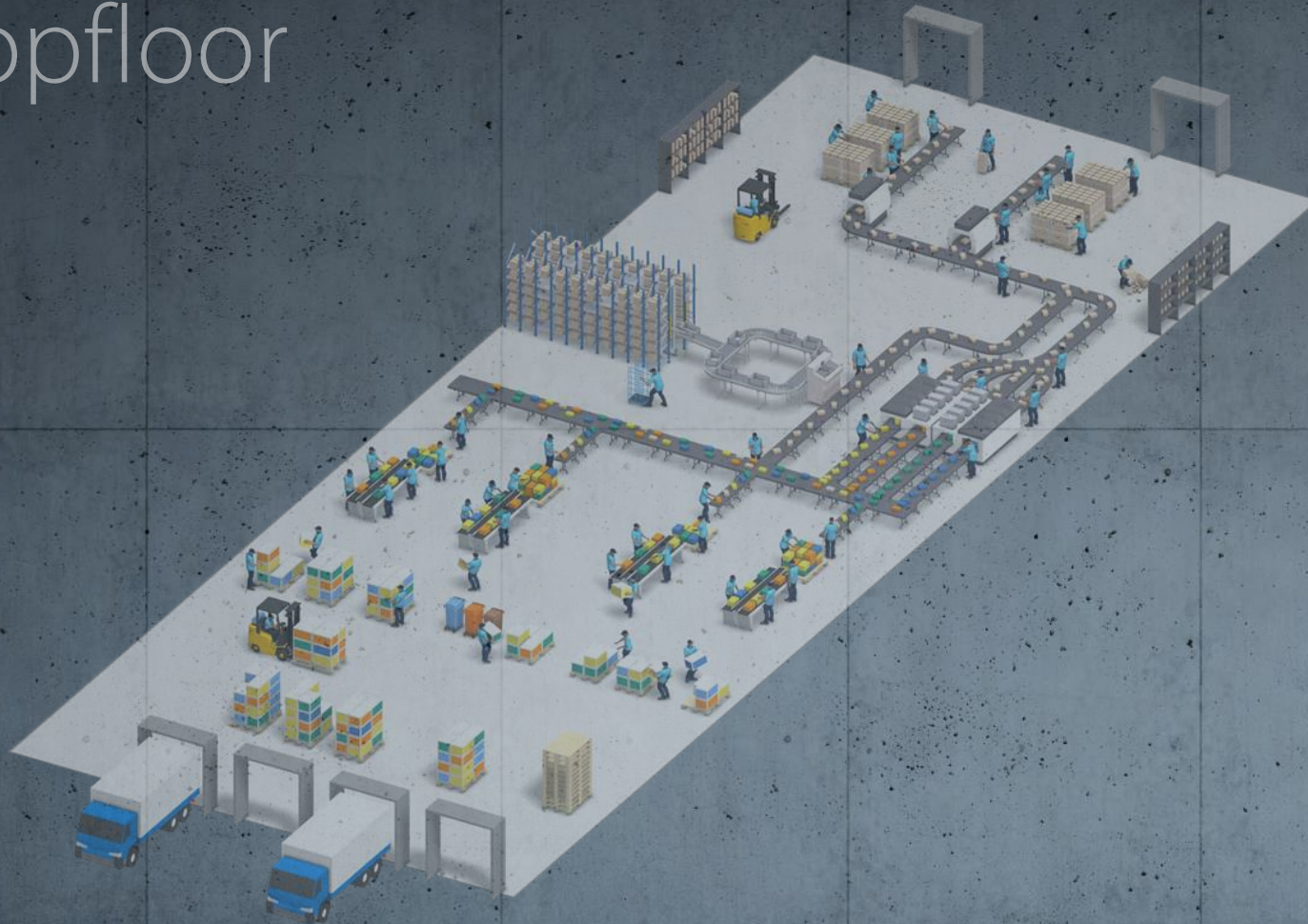


Conclusion

Producers can no longer postpone the need to eliminate manual packaging and fulfilment activities by automating them.



Typical shopfloor



Inbound



Packing operations



Outbound



Solution examples

Person to Goods

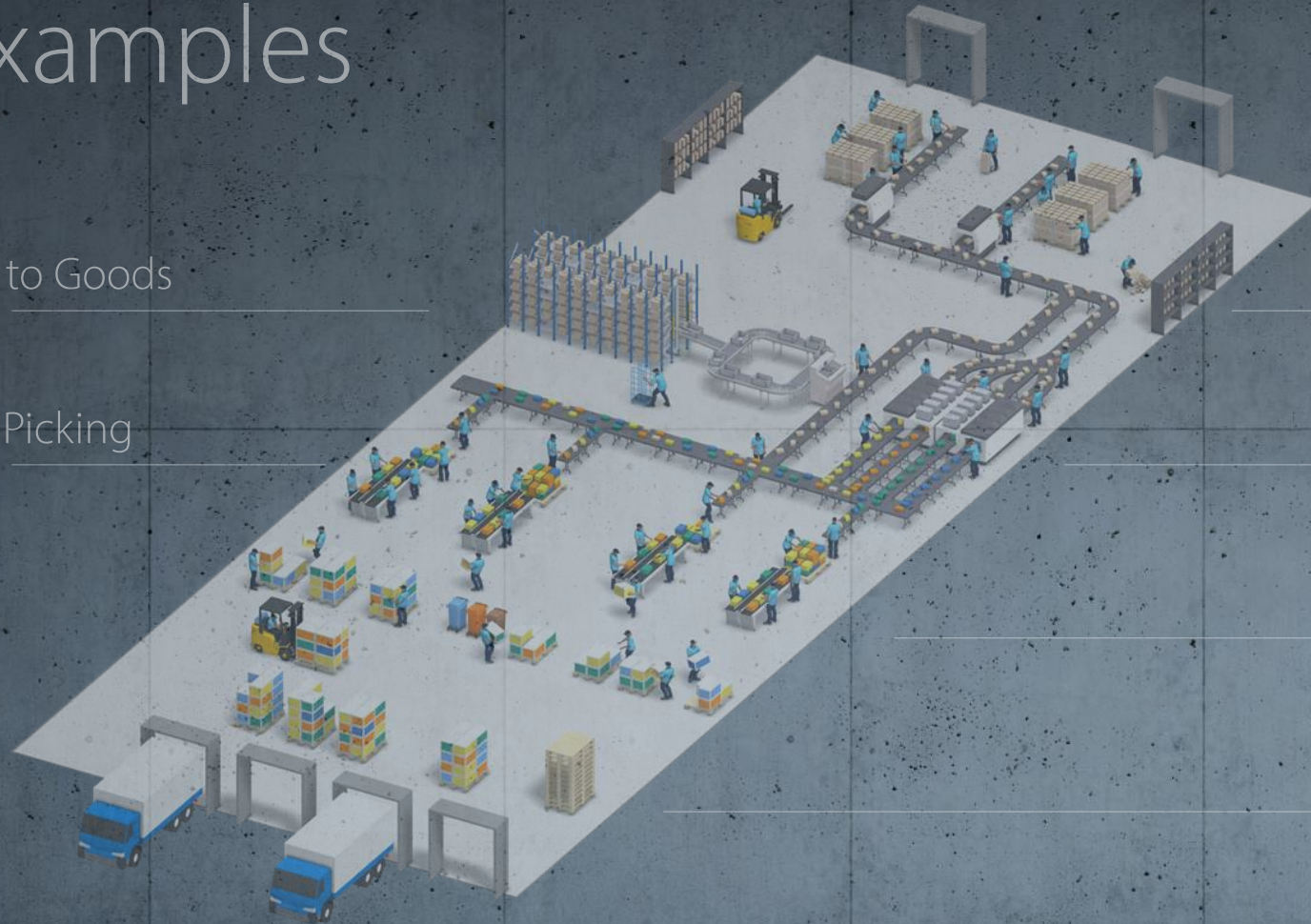
3D Bin Picking

Incoming goods

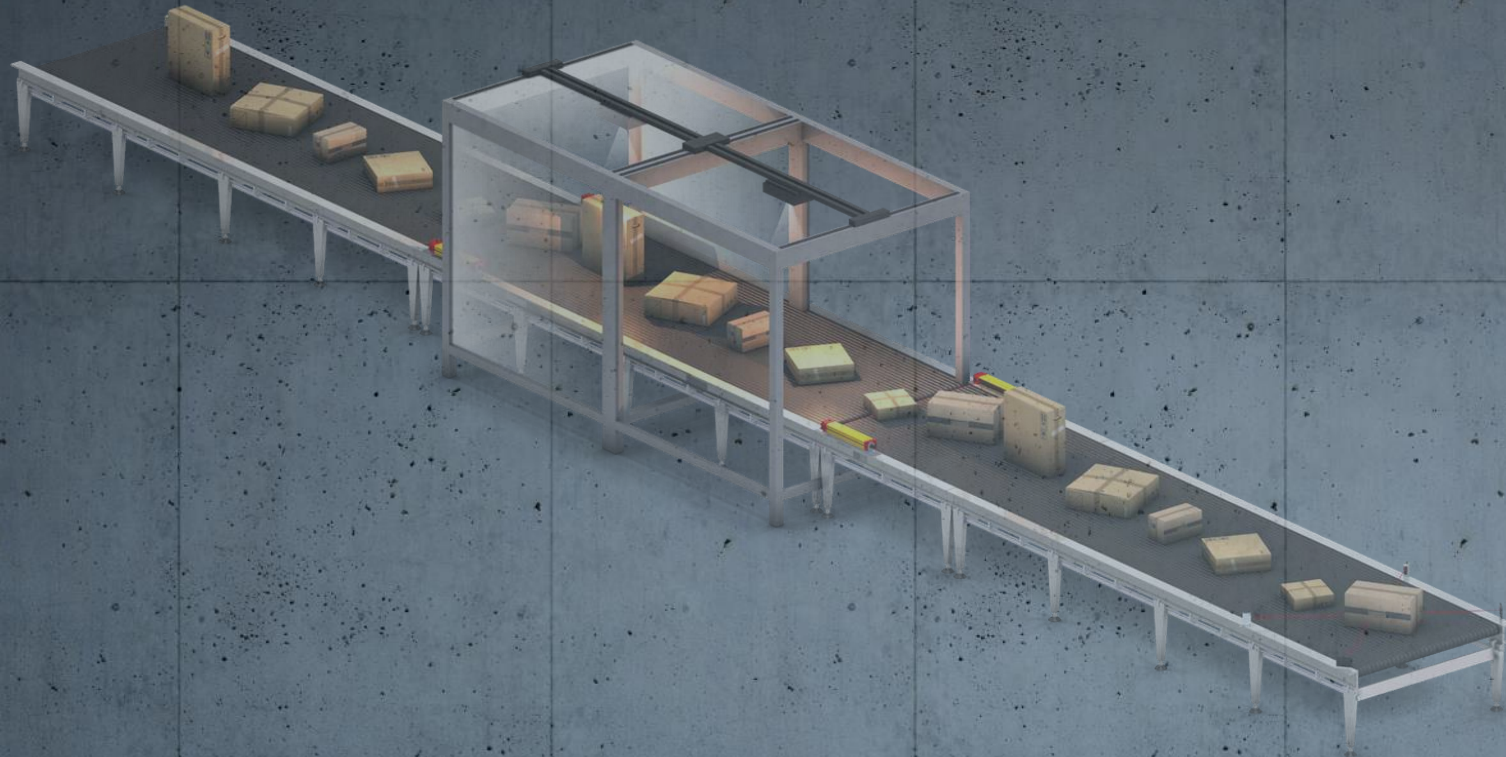
Packing

Palletizing

Pallet transport



Incoming goods



Solution examples

Person to Goods

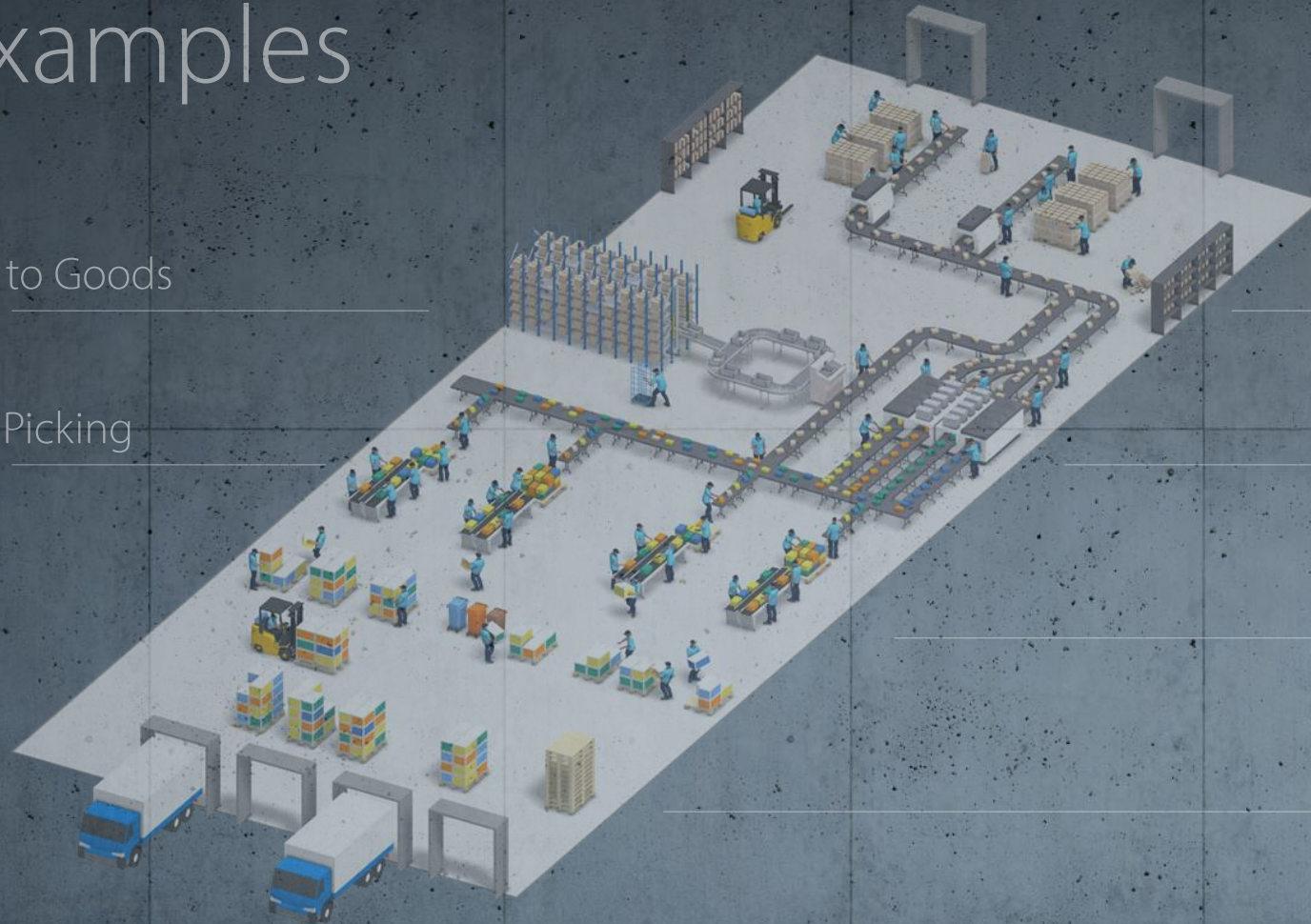
3D Bin Picking

Incoming goods

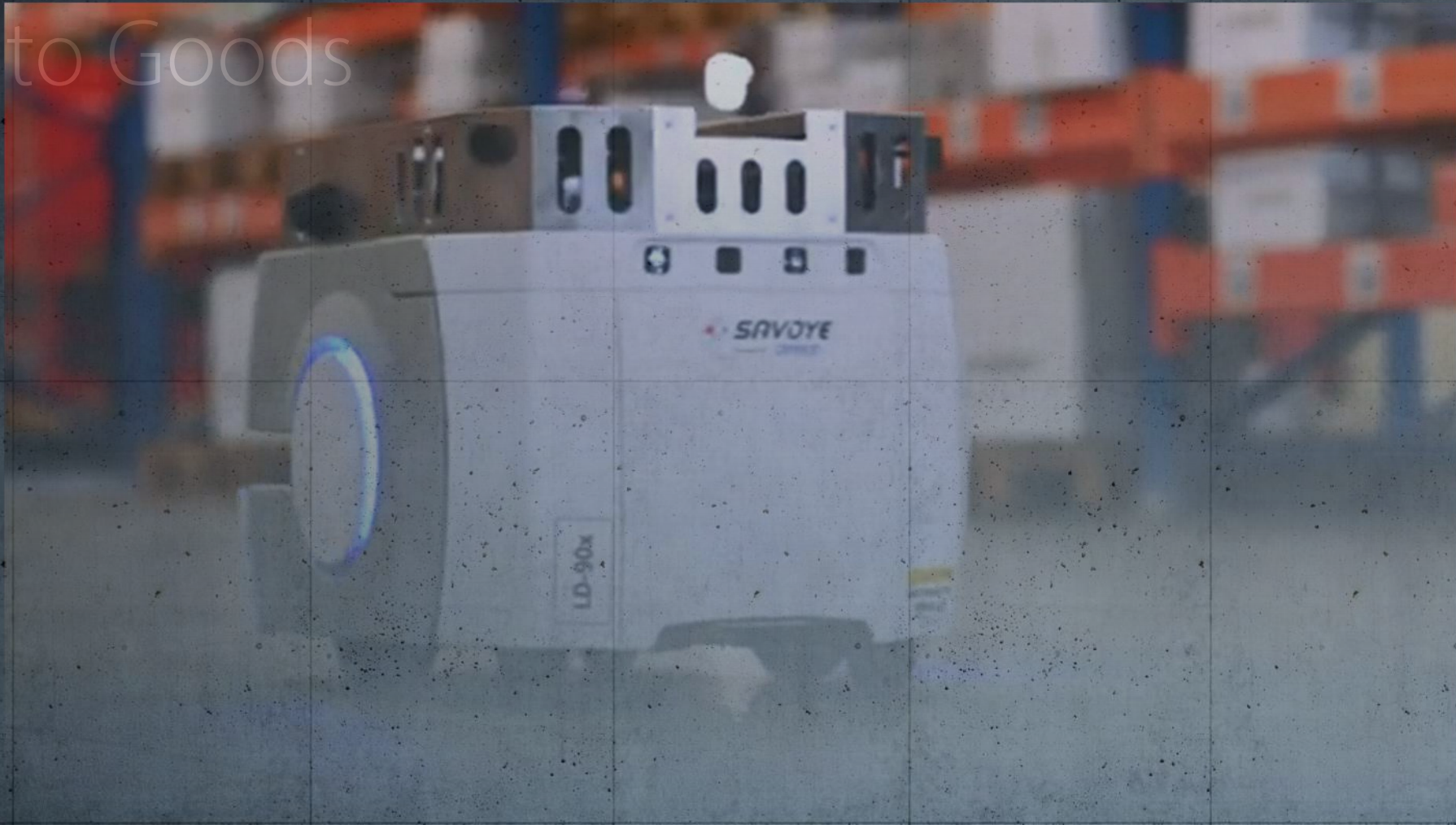
Packing

Palletizing

Pallet transport



Person to Goods



Solution examples

Person to Goods

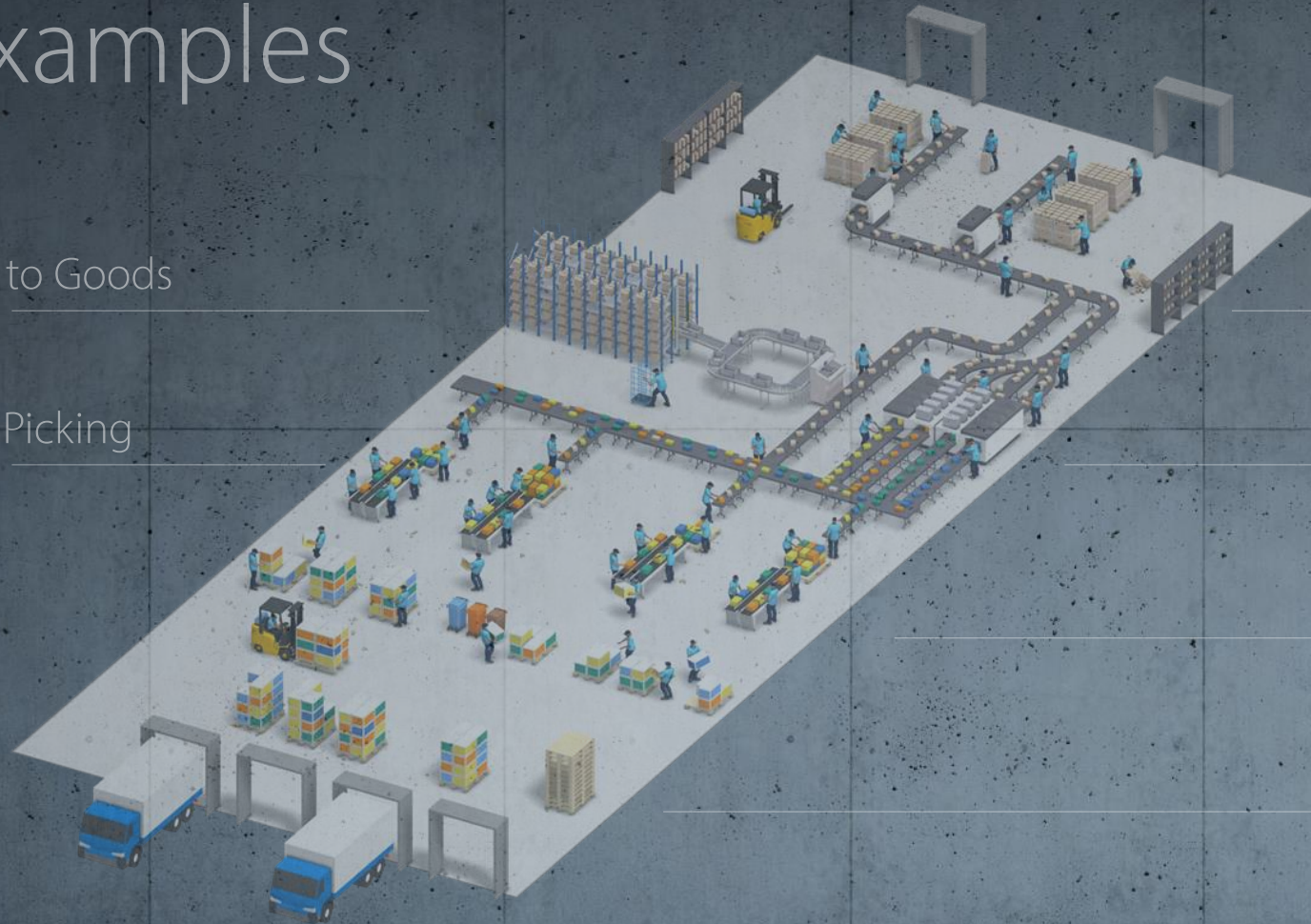
3D Bin Picking

Incoming goods

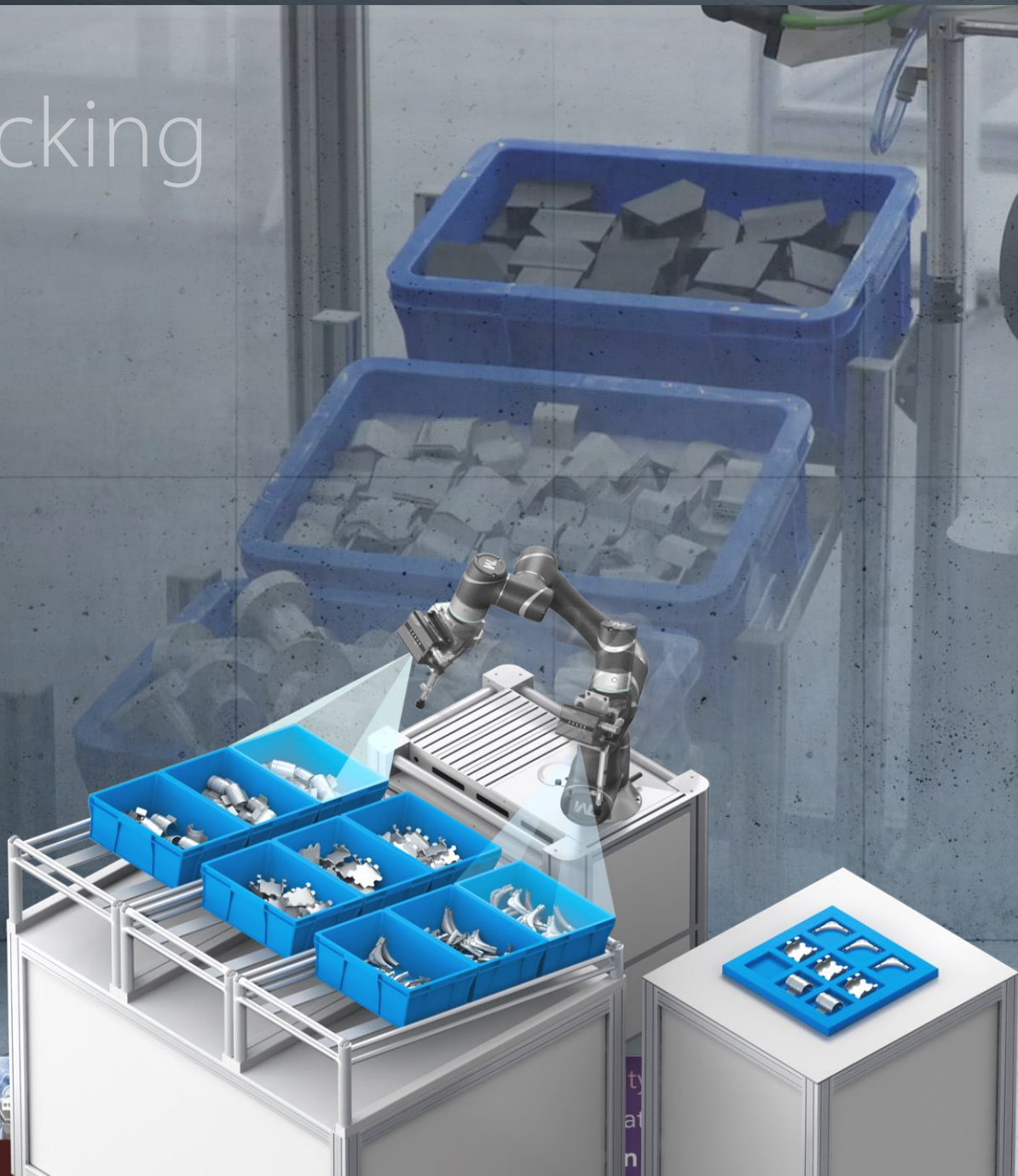
Packing

Palletizing

Pallet transport



3D bin picking



Solution examples

Person to Goods

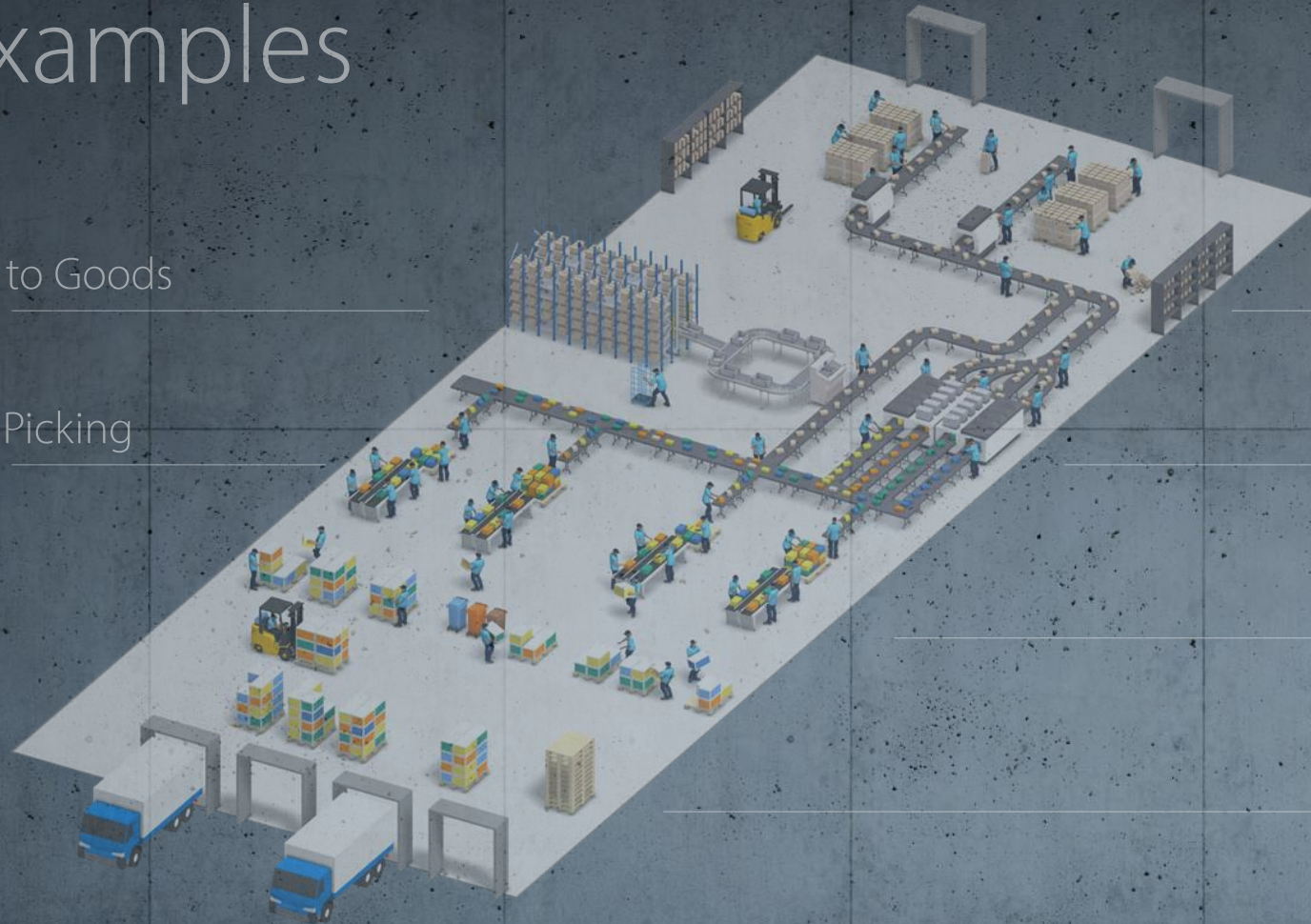
3D Bin Picking

Incoming goods

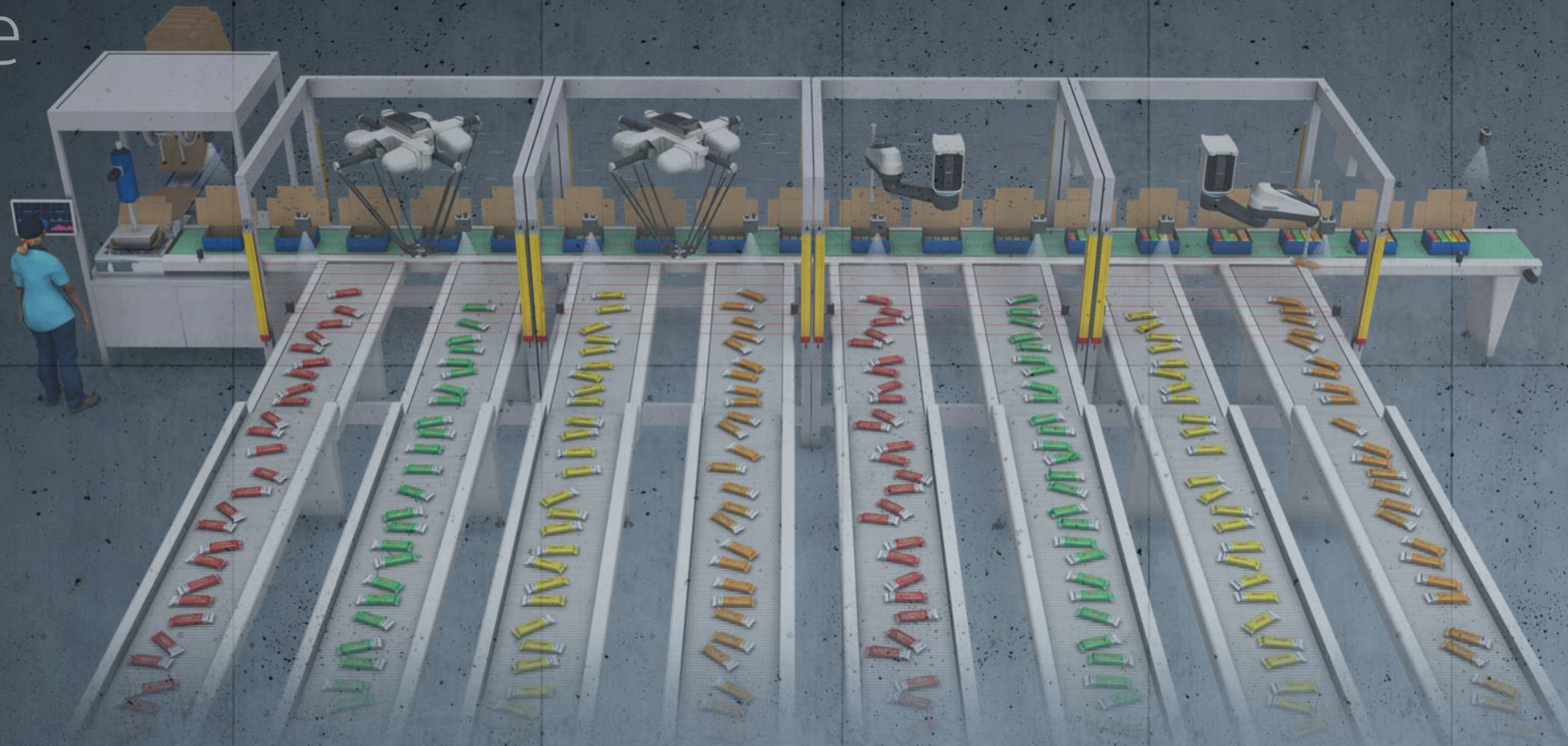
Packing

Palletizing

Pallet transport



Pick & Place



Solution examples

Person to Goods

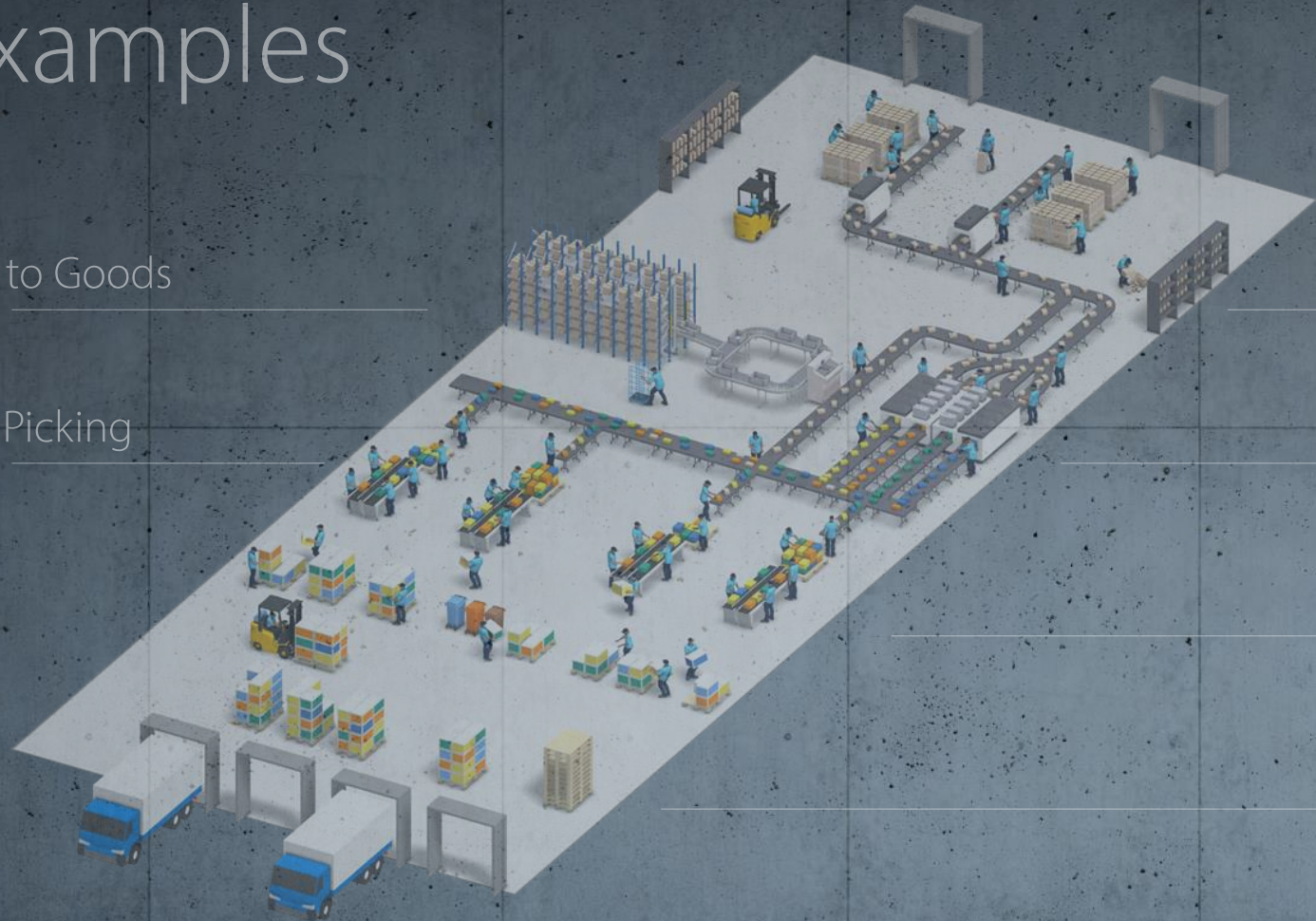
3D Bin Picking

Incoming goods

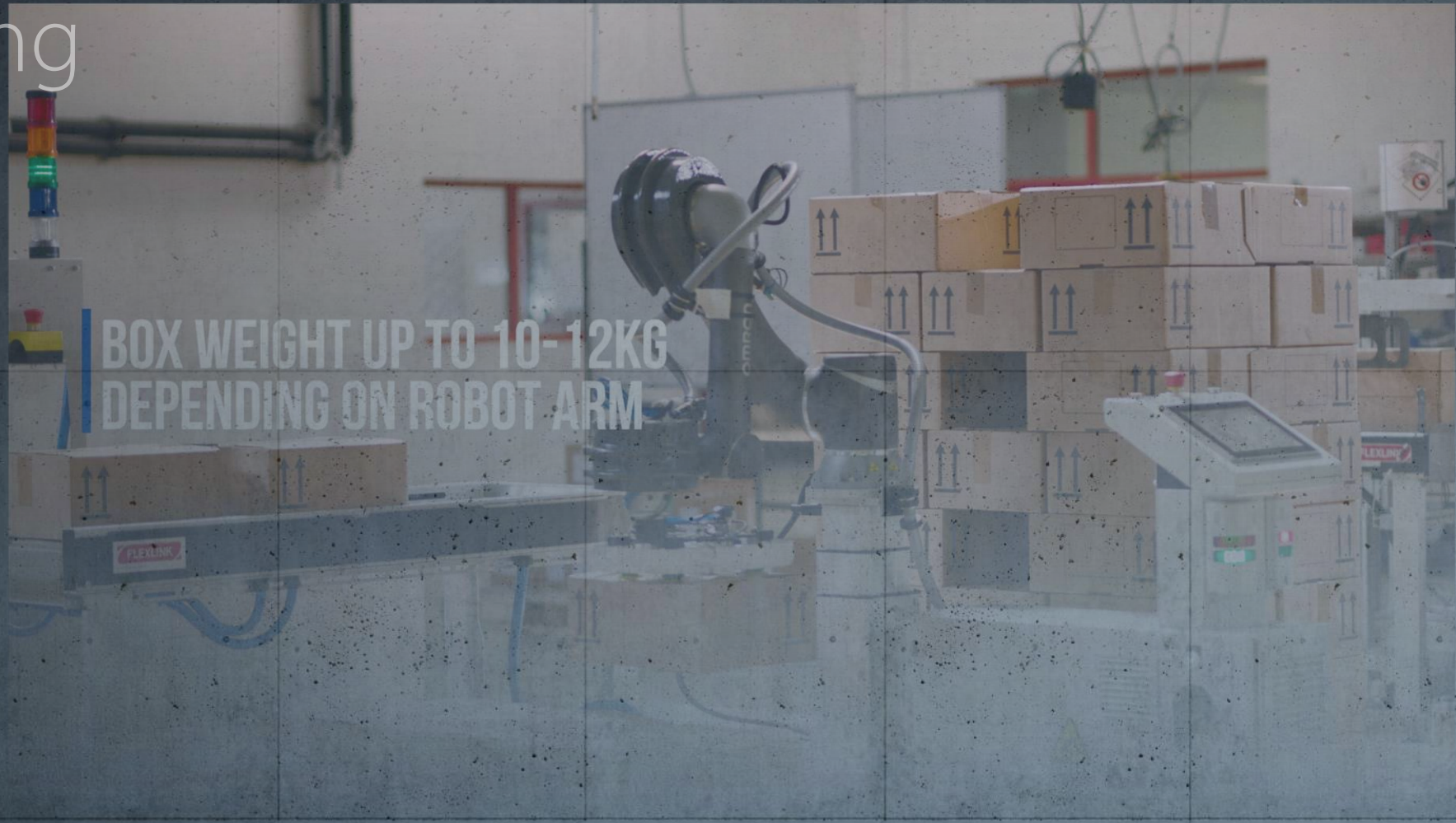
Packing

Palletizing

Pallet transport



Palletizing



BOX WEIGHT UP TO 10-12KG
DEPENDING ON ROBOT ARM



Solution examples

Person to Goods

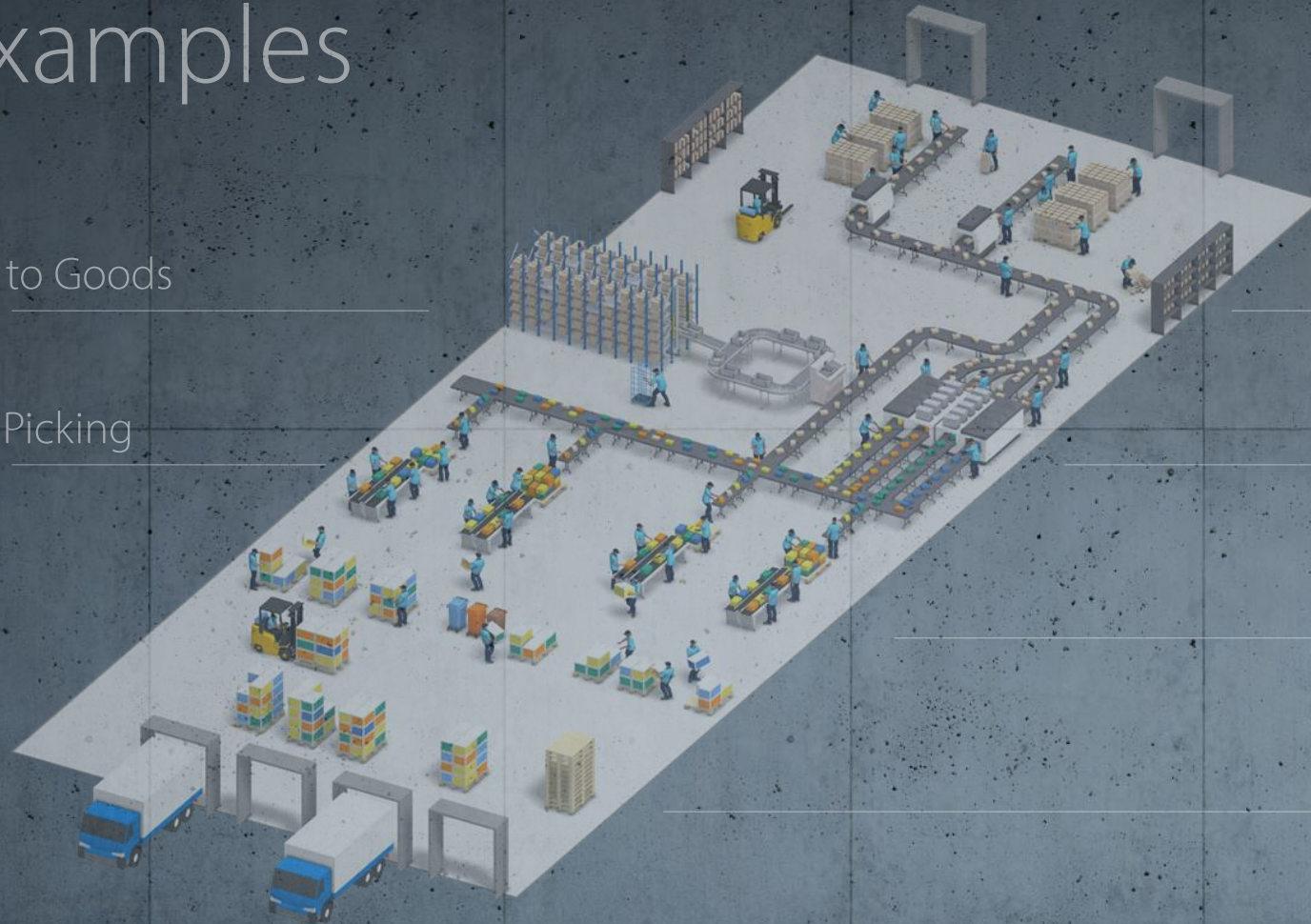
3D Bin Picking

Incoming goods

Packing

Palletizing

Pallet transport



Pallet transport

HD-1500

PROOF OF CONCEPT AREA

Traditional shop floor

Person to Goods

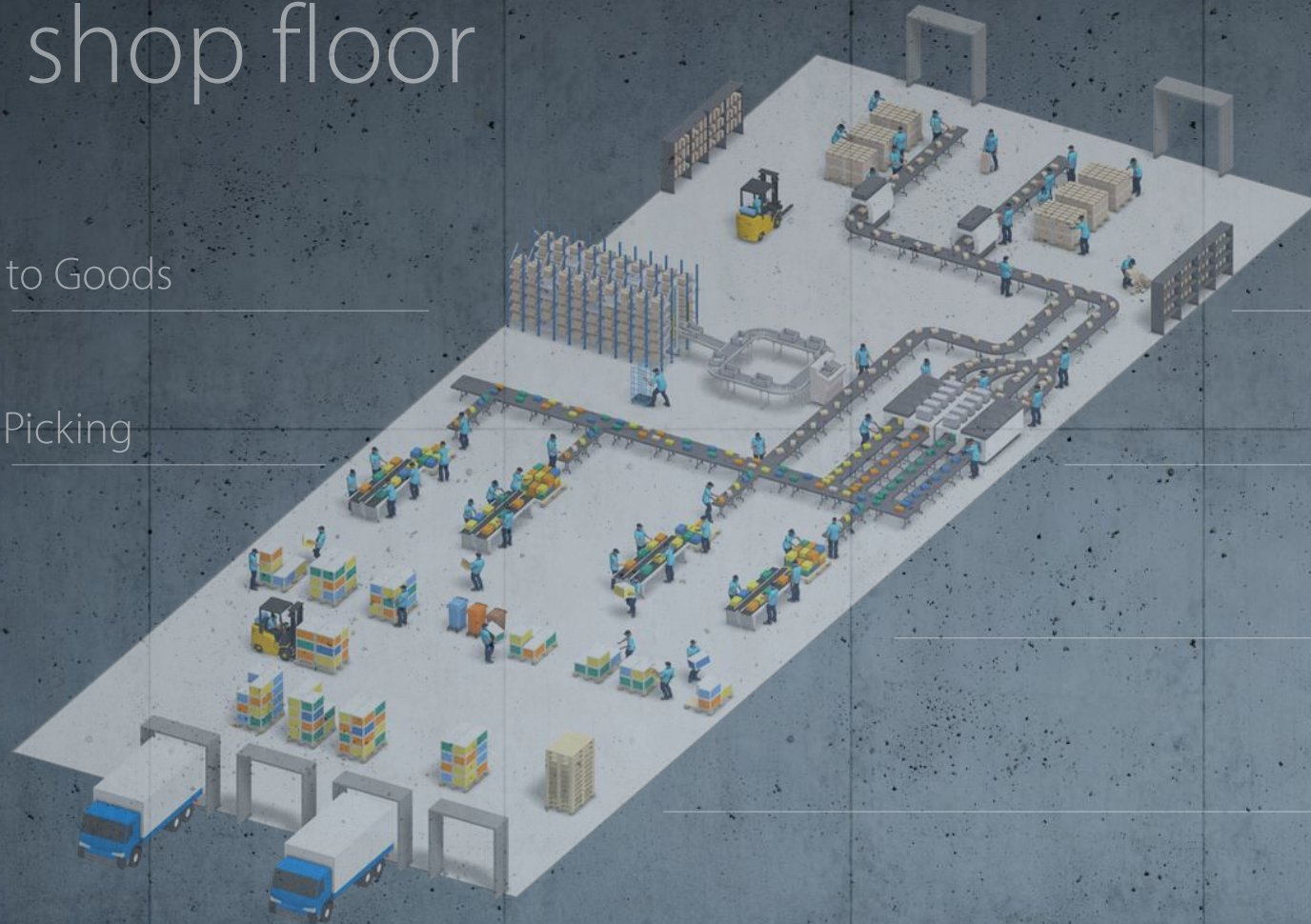
3D Bin Picking

Incoming goods

Packing

Palletizing

Pallet transport



Fully automated

Person to Goods

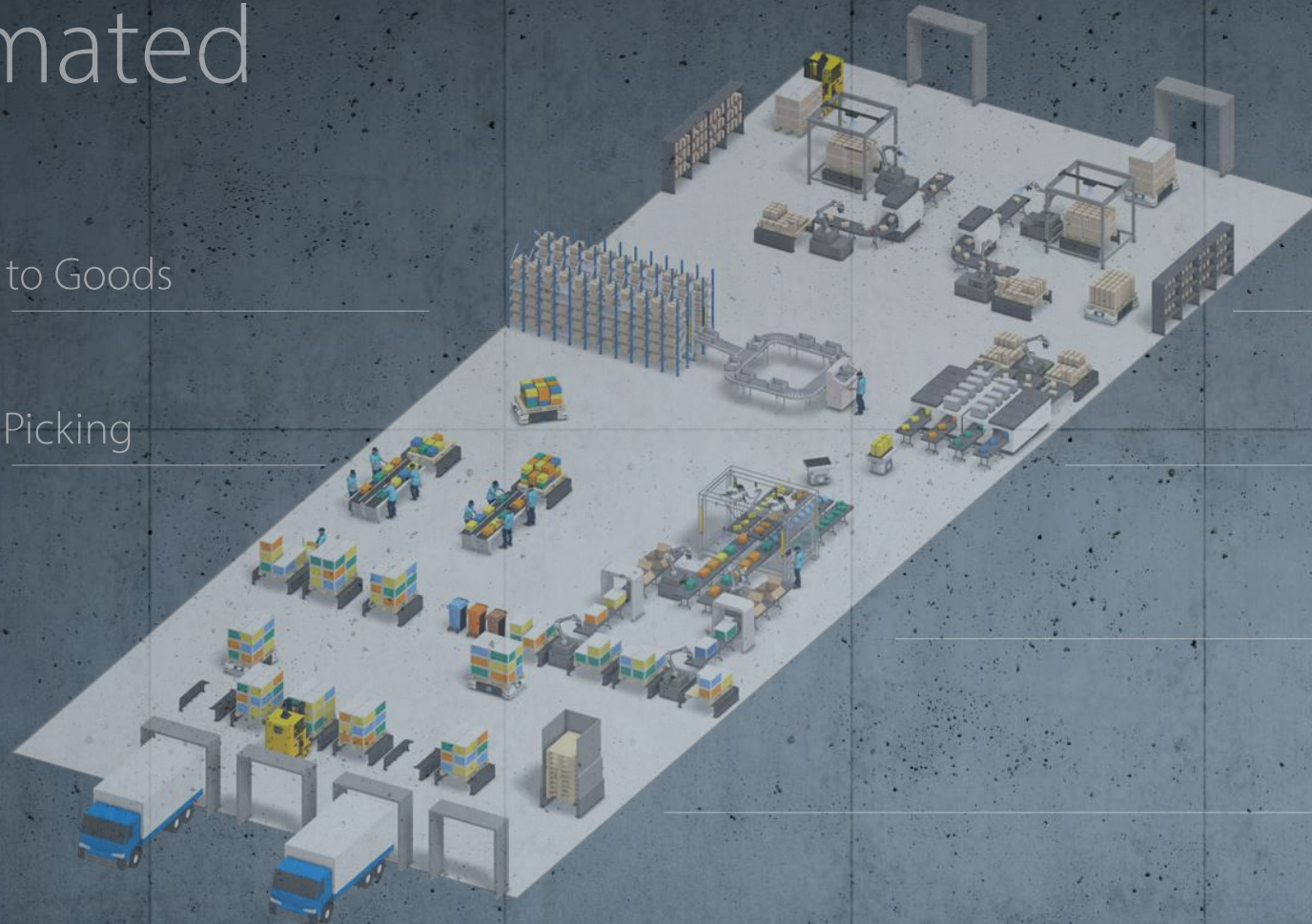
3D Bin Picking

Incoming goods

Packing

Palletizing

Pallet transport

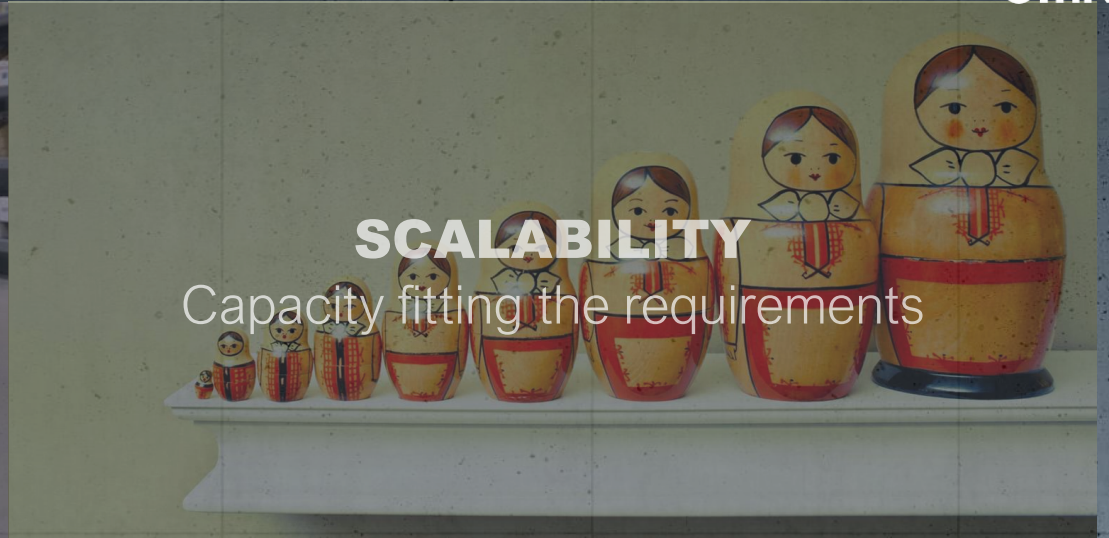


Values



PERFORMANCE

Optimize the operator movements



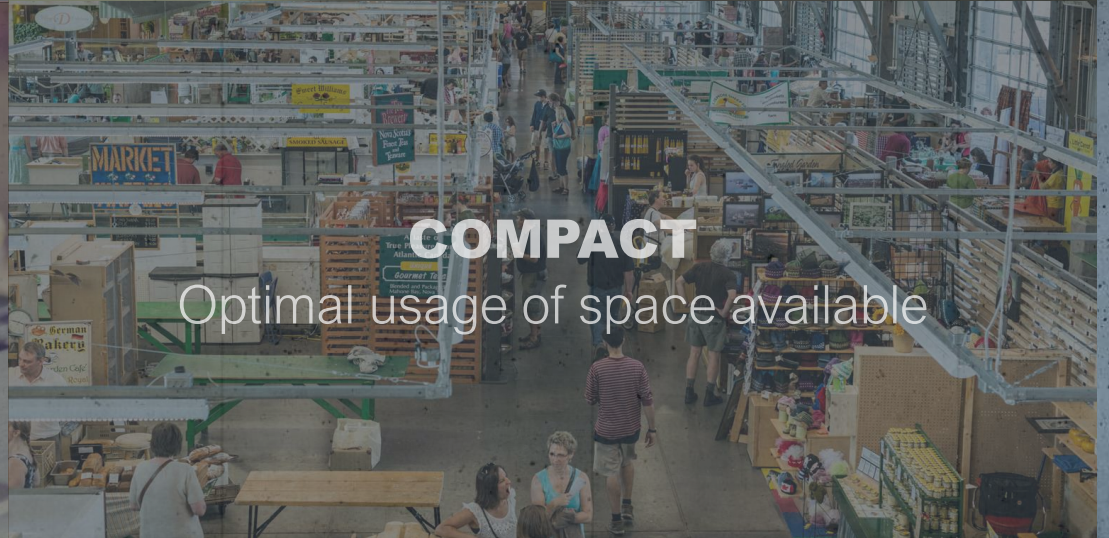
SCALABILITY

Capacity fitting the requirements



QUALITY

Eliminate reversed logistics



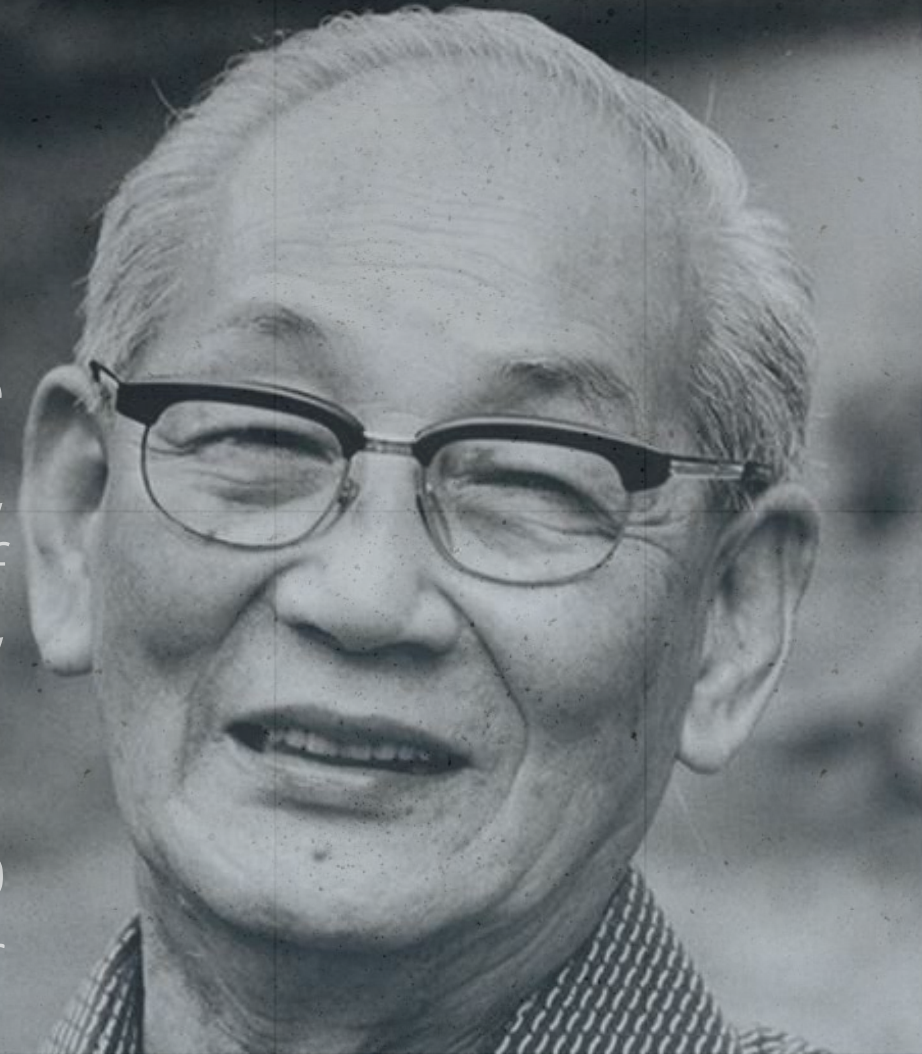
COMPACT

Optimal usage of space available



“To the machine, the works of the machine, to man, the thrill of further creation”

Dr. Kazuma Tateishi, 1960
OMRON founder





Questions?

