



Kom i gang med **AI**
med **Medarbejderen** i
fokus

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Vitaminer ikke smertestillende



Neurospace Crew

Softwareingeniører

Produktionsingeniører

Maskinmester

Fysikere

Matematikere

UX & UI Designer



+10

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Who is Neurospace?



Partner Engineer hos Neurospace
Software Ingeniør med 25 Års erfaring
indenfor SW udvikling

Data & Innovation Manager Danish
Crown



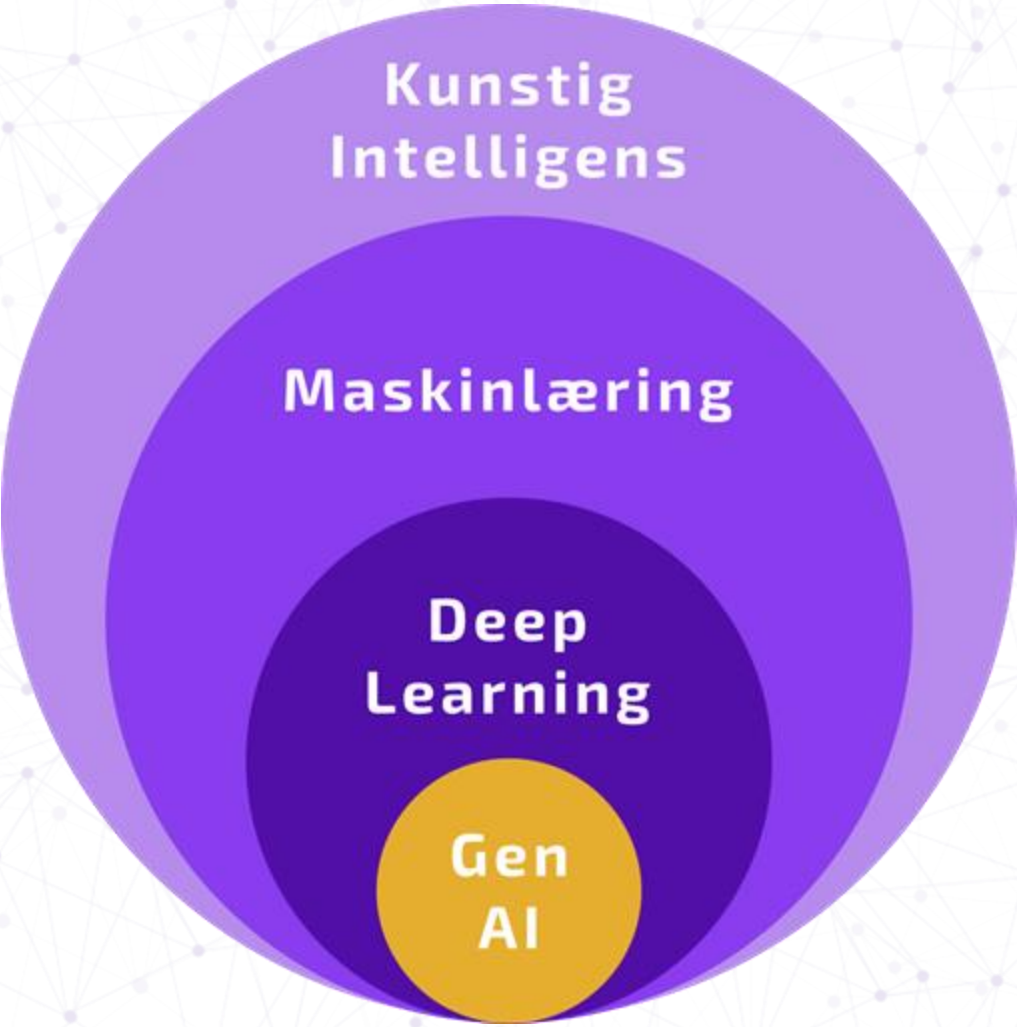
Teknologi skal øge Danmarks
konkurrencekraft



Martin Jørgensen

Partner Engineer
@ Neurospace

Let's connect!



**Kunstig
Intelligens**

Maskinlæring

**Deep
Learning**

**Gen
AI**

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**Data
Indsamling**

**Data
Verificering**

**Feature
Udvælgelse**

Monitorering

**Service
Infrastruktur**

**Data
Udtræk**

**ML
Kode**

**Hyper-
Parameter
Tuning**

Gen-træning

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Financial Services	Public Sector	Telecom	Healthcare	Industrial	Transportation	Retail & E-Com
Credit Risk Assessment and Scoring	Predictive Maintenance and Asset Management	Network Optimization	Disease Diagnosis and Prediction	Predictive Maintenance	Aircraft health monitoring	Customer Segmentation & Personalization / Recommendations
Fraud Detection and Prevention	Chatbots and Virtual Assistants for Citizen Engagement	Predictive Maintenance	Drug Discovery and Development	Quality Control	Seat Pricing	Fraud detection
Portfolio Optimization and Management	Intelligent Transportation Systems	Customer Service Chatbots	Personalized Medicine	Supply Chain Optimization	Customer Churn Prediction	Demand Forecasting
Compliance and Regulatory Reporting	Fraud Detection and Prevention	Fraud Detection	Medical Imaging and Diagnostics	Process Optimization	Fraud Detection	Inventory Management & Stock optimization
Predictive Maintenance and Anomaly Detection	Cybersecurity	Network Security	Robotic-Assisted Surgery	Robotics and Automation	Customer Service Chatbots	Churn Prediction
Customer Segmentation and Personalization	Public Health Surveillance	Personalized Marketing	Virtual Health Assistants	Inventory Management	Crew scheduling	Dynamic Pricing
Automated Trading and Investment	Disaster Response and Recovery	Resource Allocation	Mental Health Support	Energy Management	Route optimization	Product description & content Generation (Ad & Marketing)
Risk Management and Stress Testing	Personalized Education and Learning	Quality of Service (QoS) Management	Clinical Trials	Design and Simulation	Autonomous Fleet management	Virtual Try-ons
Anti-Money Laundering (AML) and Know Your Customer (KYC)	Smart Energy Management	Fault Detection and Troubleshooting	Public Health Surveillance	Workforce Management	Driverless/Autonomous Cars	Chatbots and Virtual Assistants
Virtual Assistants and Chatbots	Crime Prediction and Prevention	5G Network Planning	Healthcare Operations and Administration	Digital Twin		
	Citizen Sentiment Analysis	Customer Churn Prediction				
	Policy Drafting Assistance					

Likely to be defined as:

Predictive - Supervised	"I am looking for something specific"
Classification - Unsupervised	"I am looking for patterns in the data"
Generative AI - Reinforcement/Deep Learning	"Based on the data, what can this do?"

Adopted from Red Hat

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AI skal ikke være Teknologi Projekter

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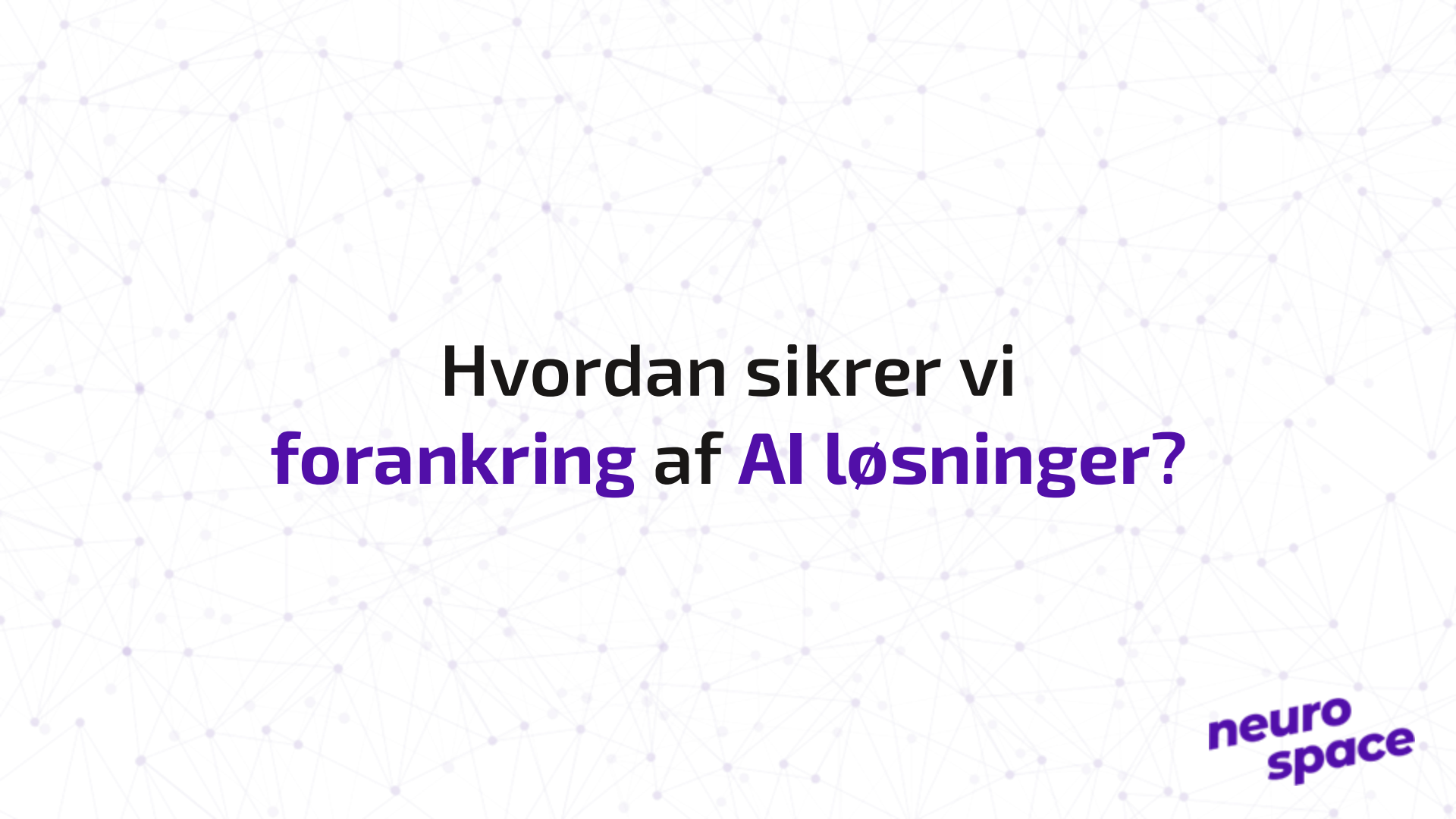
AI skal løse problemer i den virkelige verden

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Verden er designet til **mennesker**

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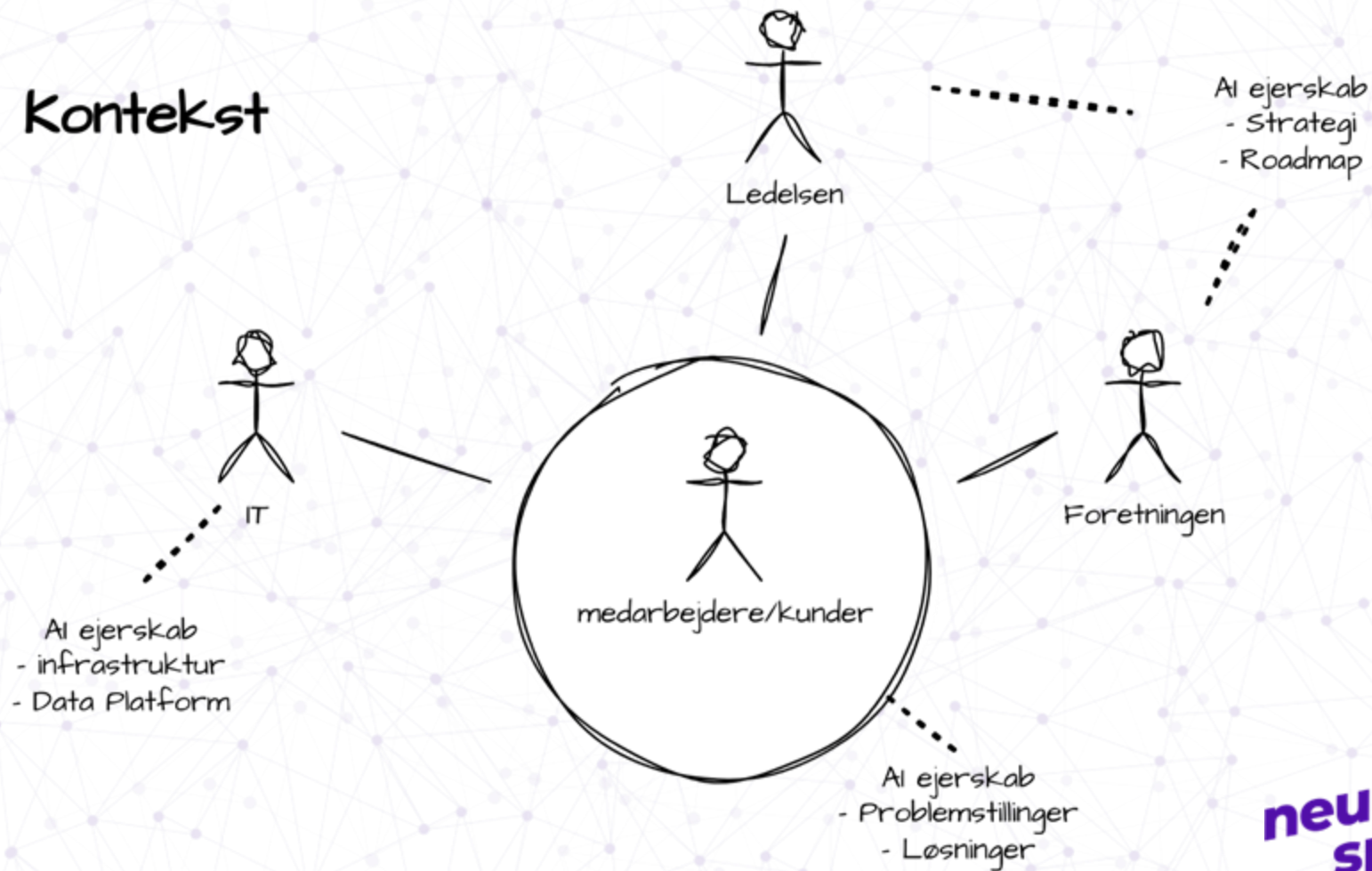
Når vi **udvikler AI systemer** skal de
være designet til rigtige mennesker i
den virkelige verden

The background of the slide features a complex, interconnected network of thin grey lines and small grey dots, resembling a neural network or a data mesh, covering the entire area.

Hvordan sikrer vi forankring af **AI løsninger**?

Organisation

AI Kontekst



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Strategi og Roadmap
skal ejes af
ledelsen og forretningen

AI løsninger
skal udvikles sammen med
medarbejdere og kunder



AI Roadmap

Lidt viden & data.



AI Camp

Noget viden & data.



Pilot project

*Tilstrækkelig viden
& data.*

Cases

Optimer kvalitetskontrol

med Computer Vision



Danish Crown



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Der er ingen der går på arbejde for at
lave et dårligt stykke arbejde

Det skal ikke være **overvågning** men
derimod **motivation (gamification)** for
medarbejderne

Low Fidelity Prototype

ALBUM REVIEW

ALBUM

NETHERLANDS

9999

Review Album

Exclusive Content

Missing Teams

Recently Added

ALBUM REVIEW

NETHERLANDS

9999

Review Album

Exclusive Content

Missing Teams

Recently Added

INCOMPLETE

NETHERLANDS

MEXICO

JAPAN

ALBUM REVIEW

NETHERLANDS

9999

Review Album

Exclusive Content

Missing Teams

Recently Added

TRADE MARKET

STICKER FOUND 98

DAVI REQUEST TRADE PENALTY CHALLENGE

P.S. REQUEST TRADE PENALTY CHALLENGE

RAS REQUEST TRADE PENALTY CHALLENGE

NETHERLANDS

POINTS

Holograms 2 +4

Stadium 1 +3

Players + + +

Teams 1 +2

TOTAL 13 Points CLAIM



Low Fidelity Usability Test



High Fidelity Prototype

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High Fidelity Usability Test

Skærm med Feedback



Mærkbar adfærdsændring baseret på feedback

Udvikling af Maskinlæring

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300+ billeder

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Billederne var “**billige**” da der blot blev benyttet et **GoPro** på et **stativ** med **lys**

Labeling til supervised learning
kostede **mandetimer** fra **eksperterne**

2 eksperter har separat vurderet
billederne og er enige i **50%** af
tilfældene over 5 klasser

Klasser absolut difference (Danish Crown)

0	1	2	3	4
51%	40%	4%	2%	3%



**Uenige om
visuel blod
havde
indflydelse
på kvalitet**

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Med **5 klasser** og **ML** kan vi opnå **58.5%**
nøjagtighed

Med **2 klasser** og **ML** kan vi opnå **84%**
nøjagtighed

Mange optimeringspotentialer

Det giver **kontinuerlig indblik i kvaliteten**

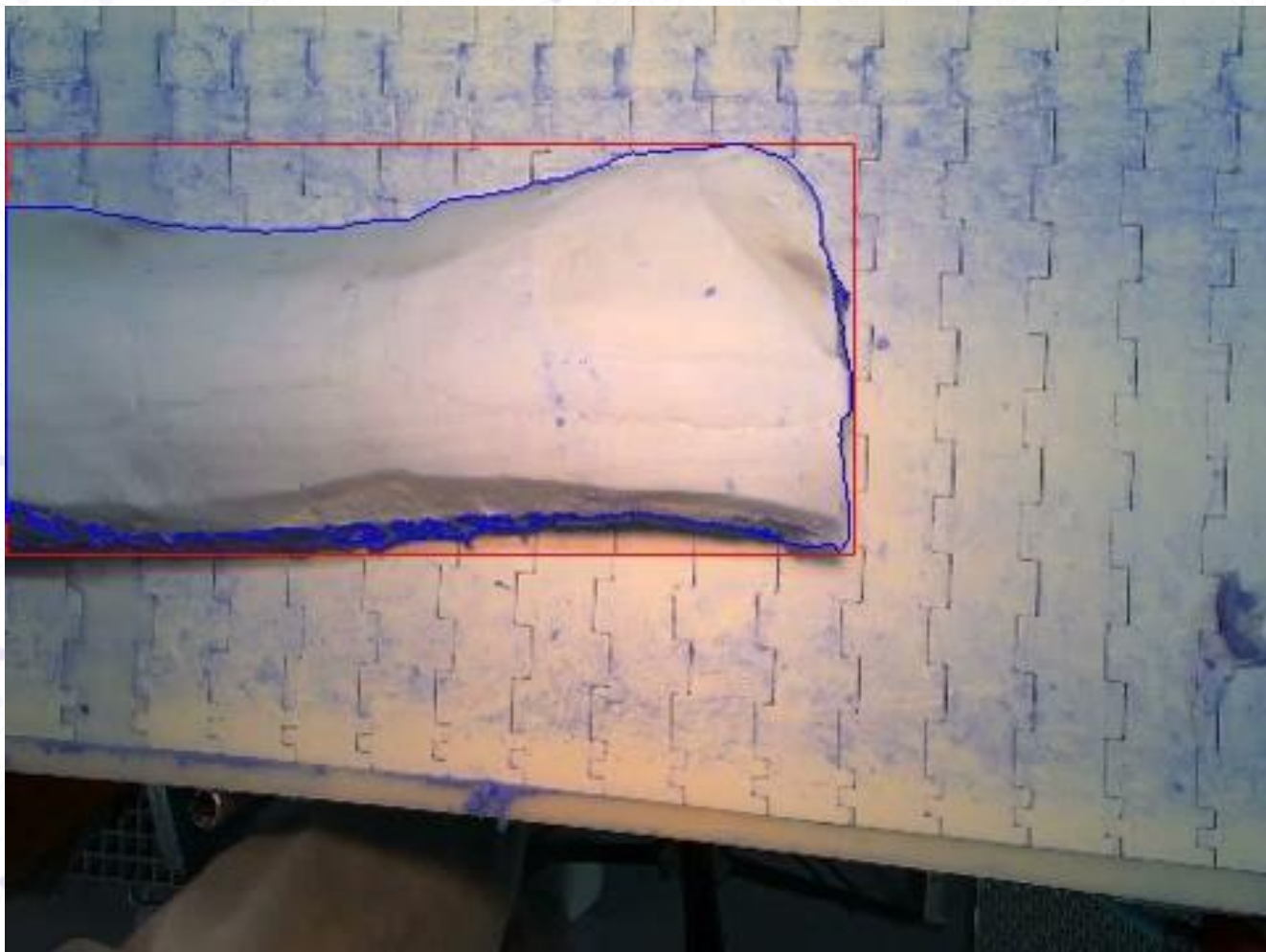
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Automatisk dokumentation af kvalitet på batches

Dokumentation på batches kan **bruges**
af kvalitetsafdelingen

Løsningen giver **inline feedback** til
slagterne som er **interessert** i at **øge**
kvaliteten

Mulighed for **objektiv feedback**
mellem **mester** og **slagter**



Video

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Opsummering

Kom i gang med **AI**
med **Medarbejderen** i fokus

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1.

Forstå arbejdet (UX)

2.

Skab en Business Case

3.

Test Teknologi en (PoT)

1.

**Forstå
arbejdet
(UX)**

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**Skab en
Business
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Find os på
LinkedIn! 🚀

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