NEXXER

FASTFORWARD FOR COMPUTER VISION

FROM SCRATCH TO A WORKING AZURE COMPUTER VISION PILOT IMPLEMENTATION IN 10 WEEKS OR LESS!

OVERVIEW

Clients everywhere recognise the benefits delivered to their customers through the application of Computer Vision. Many already have strategic investments with Microsoft and want to explore Azure Computer Vision use cases to solve critical business challenges.

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PROGRAM

Nexer FastForward for Azure Computer Vision is a custom-developed program that takes a service use case from idea to proof of concept within three months.

Our experts collaborate with your key stakeholders to Identify promising Computer Vision client use cases, assess their business value and deploy one or more in a Proof of Concept, demonstrating benefits in the field.

"So far, we have shown that the technology works for us, so I am convinced that a continued collaboration within this partnership can solve our safety challenges when working with tower cranes."

- Claes Henschel, Digitization Project Manager, Nordic Construction Company

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AGENDA & DELIVERABLES

Analyse Phase
(1 WEEK)

- Stakeholder interviews & workshop
- Azure CV architecture & design workshop
- Infrastructure discovery workshop
- Requirements analysis

Implement Phase
(4-8 WEEKS)

- Azure CV architecture deployment
- Azure application development
- Analytics dashboard development
- Azure device provisioning & security review
- Pilot validation & testing
- Handover of pilot to client

Assess Phase
(1 WEEK)

- Project outcome review
- Next steps joint planning

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ANALYSIS PHASE - DURATION: 1 WEEK

Stakeholder interviews & workshops

→ Explore ideas and aspirations for Azure Computer Vision

→ Brainstorm candidate Computer Vision use cases

→ Describe use cases and benefits

Infrastructure discovery workshop

→ Determine the client's current IT landscape and any constraints

Azure Computer Vision architecture & design workshop

→ Includes fit-gap analysis of Azure Percept-based implementation

Requirements analysis

→ Catalogue, prioritize and agree use cases for pilot implementation

Nexer roles in Analysis phase

- Workshop Lead (100%)
- Architect (100%)
- Analyst (100%)

Client roles in Analysis phase
Key stakeholders such as:

- Product Owner
- CxO
- IT leadership
- Operations leadership

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IMPLEMENTATION PHASE - DURATION: 4-8 WEEKS

Working closely with the client's Product Owner, using an Agile project approach and progressing in a series of pre-planned sprints, Nexer Insight will create and deploy one or more Azure Computer Vision use cases prioritized during the Analysis Phase as a pilot solution.

Deliverables may include:

- Azure Computer Vision architecture
- Azure application design and development
- Power BI dashboards
- Device provisioning and security review
- Integration of third-party systems
- Deployed Computer Vision pilot solution
- Handover and education

Nexer roles during Implementation phase, part-time

- Project Manager
- Architect
- Developer
- Analyst
- Hardware Integration

Client roles during Implementation phase, part-time

- Product Owner
- Project Coordinator
- IT
- Operations

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ASSESSMENT PHASE - DURATION: 1 WEEK

Working closely with the Product Owner the outcome of the Computer Vision proof of concept is assessed and evaluated against the expected business value in a final report, which is presented to client stakeholders. Additional feedback sessions can be arranged to present to a wider audience within the client as required.

Outcome:

- Assessment of proof of concept against agreed business expectations
- Presentation(s) to key stakeholders
- Next steps joint planning

Nexer roles during Assessment phase, part-time

- Project Manager
- Architect
- Analyst

Client roles during Assessment phase, part-time

- Product Owner
- Project Coordinator
- IT
- Operations

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RESULTS

The result is a solution tailored to your business needs and industry dynamics that help you automate manual processes like image classification, object detection and tracking to transform your operations. By applying Computer Vision features to streamline processes, such as image processing, robotic process automation and digital asset management, you can:

- ✓ Automate operations to improve performance and uphold higher standards of quality control
- ✓ Eliminate the guesswork involved in data-driven decisions
- ✓ Offer stakeholders a unique experience with data tailored to their requirements
- ✓ Become more secure, scalable and industry compliant in your operations
- ✓ Increased consistency, speed, and accuracy of outcomes with automation
- ✓ Extract powerful insights from data to make accurate forecasts and informed recommendations

A number of Computer Vision projects have been successfully implemented for clients including Boliden, Nordic Construction Company, and a Global Container Port Operator, FastForward is a practical and proven way for clients to realise the potential of Azure Computer Vision.

CLIENT REFERENCE

BOLIDEN - SUSTAINABLE MINING

- Keeping humanity supplied with the metals can be a dangerous business, Boliden wanted to make it safer and more sustainable
- Nexer created a Computer Vision solution based on hybrid Azure IoT to help prevent discharges of contaminated water into the environment
- Convinced by the value of Computer Vision, Boliden is extending it to secure other operations
- Microsoft case study

CLIENT REFERENCE

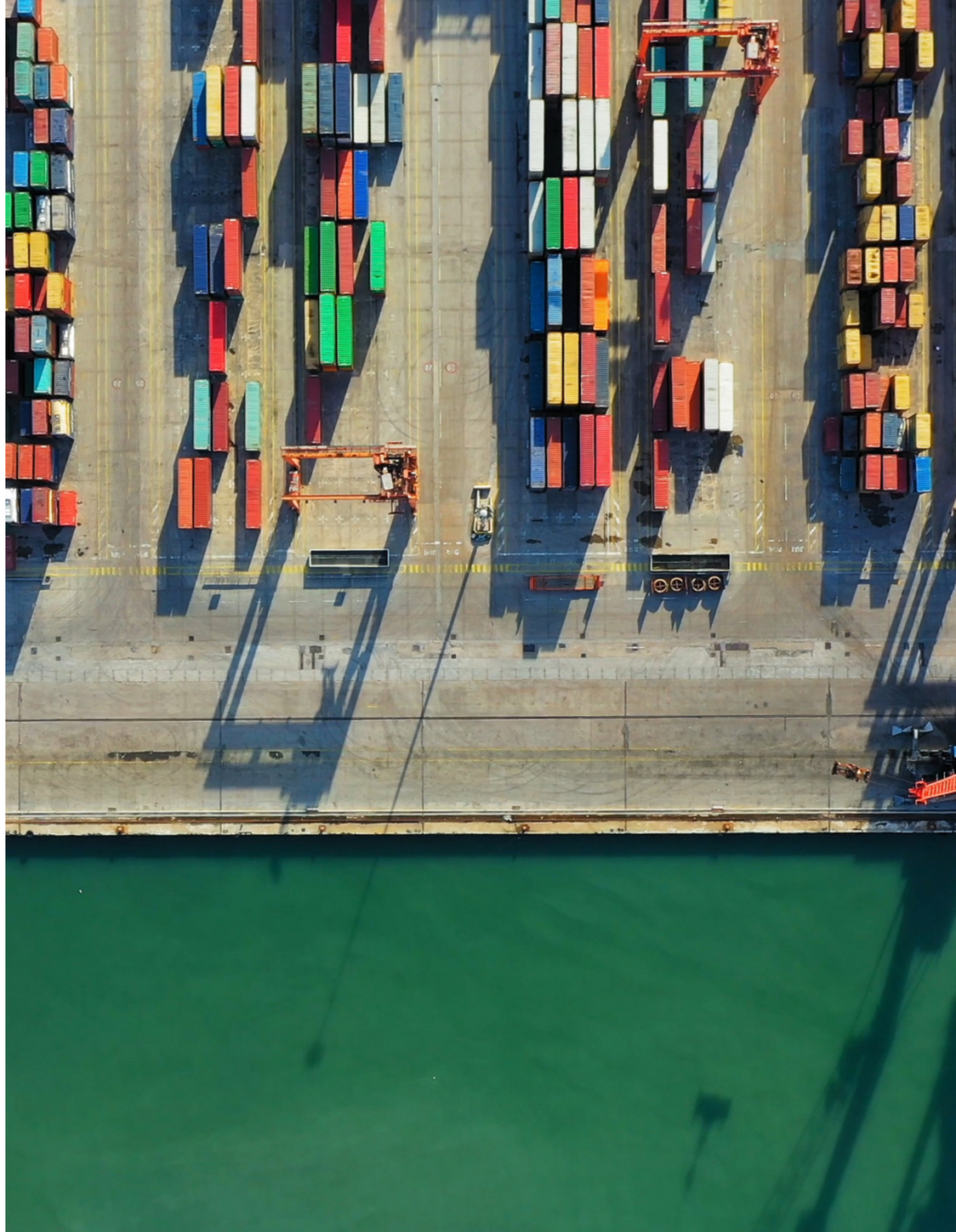
NCC - SMART CONSTRUCTION SITE

- Nordic Construction Company AB wanted to encourage its sub-contractors to adopt Construction 4.0 technologies to increase safety and decided to commission a series of proofs of concept utilising live video analytics
- Nexer trained and deployed machine learning models to drive safety improvements in areas such as overhead lifting, vehicle/pedestrian deconfliction and wearing of protective equipment
- NCC was able to demonstrate to its key suppliers the viability of some key Computer Vision use cases for construction site safety and encourage them to adopt these technologies to rent back as services on the construction sites that it served
- Video reference: Overhead lifting by gantry crane

CLIENT REFERENCE

PORT OPERATOR - SITE SAFETY

- As a responsible employer, the client sought to drive down injuries and fatalities at its container ports worldwide due to collisions with pedestrians
- Nexer created a Computer Vision solution based on hybrid Azure to identify and prevent safety violations such as drivers out of vehicles in red zones.
- Following a successful pilot at three terminals, the system is being deployed worldwide at more than forty locations, with additional use cases to be added.



ABOUT NEXER INSIGHT

Gold Microsoft Partner

Microsoft

Nexer Insight, a part of Nexer Group, specialise in the power of Microsoft Azure Computer Vision to rapidly deliver practical solutions for clients, improving the experience of customers and employees while reducing costs.

As exclusive members of the Microsoft IoT Elite Program and Advanced Specialization certification in AI and Machine Learning, we meet our client's transformation needs, from strategy to concept, development, and operation.

Nexer Group is a global company with a Swedish heritage of entrepreneurship and innovation. Nexer has 2,300 employees in 15 countries focused on delivering business transformation through strategy, technology, and communication.

TO SPEAK TO A NEXER INSIGHT
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