



# SILO<sub>AI</sub>

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*Largest Private AI Lab in the Nordics*



09/2020



# Tekoöly apuna osaamisen kohdentamisessa

*Jaakko Vainio, PhD*  
HEAD OF OPERATIONS, SILO AI



SILO<sub>AI</sub>

09/2020

100+ Experts  
50+ PhDs  
Network of 500+

**Nordics**  
Helsinki, Turku, Oulu  
Stockholm

**UK**  
London

**US**  
Palo Alto



## Who we are

## What we do

*Trusted AI partner.* We deliver AI-driven solutions and products to our clients by providing world-class expertise and tooling.

## Vision

*AI for people.* A world with safe human-centric AI that frees the human mind for meaningful work.



# Silo AI expertise

## **MACHINE LEARNING**

- Understand, decide and predict in highly complex systems
- Provide human experts with machine-driven support
- Extract value out of vast, complex combinations of data

## **COMPUTER VISION**

- Automated image/video analysis for insights and suggested actions
- Machine vision for autonomous vehicles and robot guidance
- Augment human intelligence through video-based AI solutions

## **NATURAL LANGUAGE PROCESSING**

- Extract information from docs, speech, news, articles, feeds, etc.
- Augment RPA applications with learning language processing
- Remove clerical bottlenecks, augment and empower experts

## **SOLUTION DESIGN & DEVELOPMENT**

- Development and design for turnkey solution delivery
- Software and data engineering for end-to-end development
- Integrate AI seamlessly into solutions and products



# Services & consultation

We provide experts as extensions of in-house teams or as complete teams for turn-key deliveries.

Expert profiles and team setups are tailored and adapted to fit to changing R&D needs during solution development lifecycles.



# Customizable solutions

We provide AI components and infrastructure with maintenance and support.

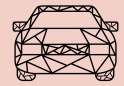
Experts to customize existing components to customer-specific needs. Leverage Silo AI working environment and infrastructure.



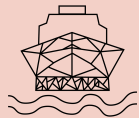
# Our work & segments

## SMART VEHICLES

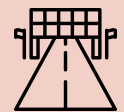
*Automotive | Maritime |  
Heavy Machinery | Aerospace*



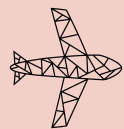
Advanced Driver-Assistance Systems



Intelligent Vessel Awareness System



Autonomous Heavy Machinery



Predictive Aircraft Maintenance



Situational Awareness & Object Tracking

## SMART INDUSTRY

*Manufacturing | Factories |  
Process Industry | Industrial IoT*



Visual Quality Control



Visual Anomaly Detection



Predictive Maintenance



Process Quality Prediction



Tool & Equipment Recommendation

## SMART DEVICES

*Wearables | Smart Homes |  
Personal Electronics | Semiconductors*



Camera Device For Surveillance



Cybersecurity & Intrusion Detection



Sewage Pipe Defect Analysis Robot



On-device Point Of Interest Prediction



Healthcare & Medical Devices

## SMART HEALTH

*Medical Devices | Pharma |  
Healthcare Services | Home Care*



Surgery Imaging Analysis



Imaging For Cancer Diagnostics



Biomedical Signal Processing



Treatment Recommendation



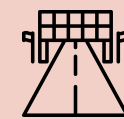
Computer Vision For Home Care

## SMART CITIES

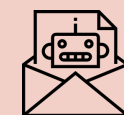
*Infrastructure | Energy | Logistics |  
Construction | Mobility | Citizen*



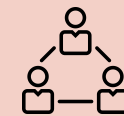
Water Quality & Sewage Pipe Analysis



Port Automation



Parcel Arrival Prediction



Energy & Distributed Heating Optimization



Financial Stability Monitoring

# Jobs in Finland

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# Finding talent need

- Collect open positions from open data
- Process and filter jobs
- Cooperation with service providers
- Increase visibility in the market
- Arrange regionally

**JOBS IN FINLAND** BETA Search for... Southwest Finland

**52 ENGLISH SPEAKING JOBS AVAILABLE IN SOUTHWEST FINLAND**

SIMILARITY **MAP**

Company	Open position	Location
VALMET AUTOMOTIVE EV POWER OY	Battery Test Engineer; Turku/Uusikaupunki Valmet Automotive EV Power Oy	Turku <a href="#">↗</a> Southwest Finland
VALMET AUTOMOTIVE EV POWER OY	Solution Specialist Valmet Automotive EV Power Oy	Salo <a href="#">↗</a> Southwest Finland
LIVERING OY	Salesperson LiveRing Oy	Turku <a href="#">↗</a> Southwest Finland
BARONA OY	Food processing workers Barona Oy	Lieto <a href="#">↗</a> Southwest Finland
STAFFPOINT OY	Production Engineer StaffPoint Oy	Turku <a href="#">↗</a> Southwest Finland
 Abo Akademi	Project Researcher -	Turku <a href="#">↗</a> Southwest Finland
 UNIVERSITY OF TURKU	Project specialist, bioinformatics -	Turku <a href="#">↗</a> Southwest Finland
 UNIVERSITY OF TURKU	Postdoctoral Researcher -	Turku <a href="#">↗</a> Southwest Finland
 UNIVERSITY OF TURKU	PhD student at the Institute of Biomedicine -	Turku <a href="#">↗</a> Southwest Finland
 UNIVERSITY OF TURKU	2-3 Postdoctoral Researchers (INVEST, Child Psychiatry) -	Turku <a href="#">↗</a> Southwest Finland
	Project researcher/Post-doc , computational -	-





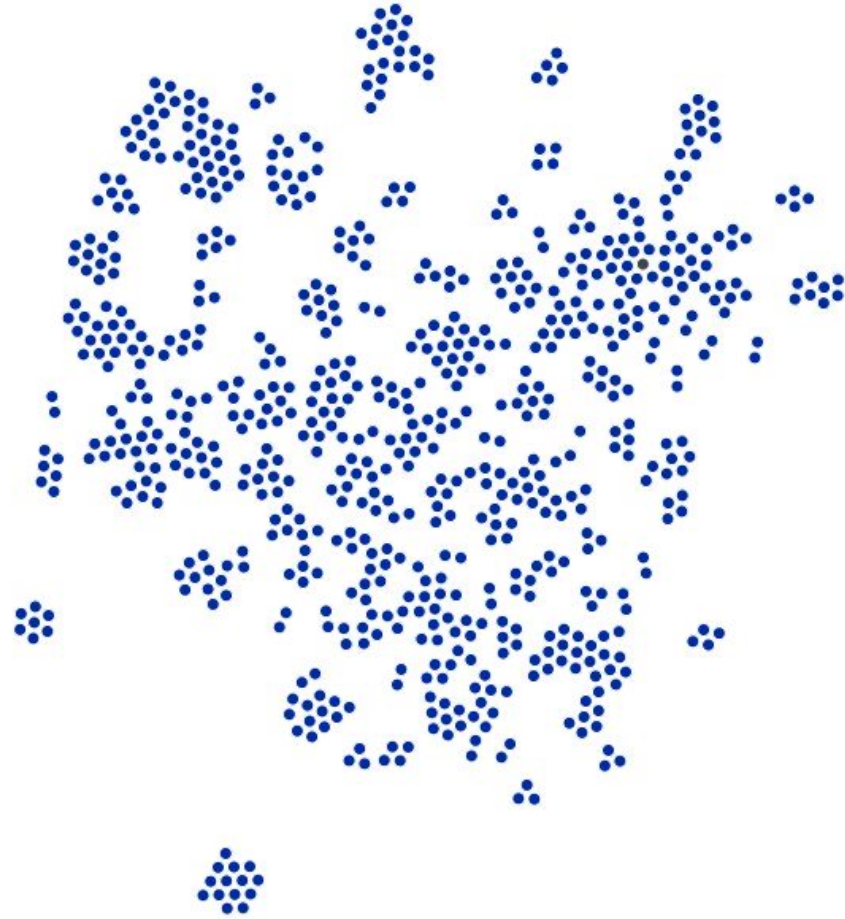
# Searchability




- Increase searchability
- Increase discoverability
- Link to source services
- New data sources
- Extension possibilities

**JOBS IN FINLAND** BETA

**717** ENGLISH SPEAKING JOBS AVAILABLE

[SIMILARITY](#) [MAP](#)



ENERSENSE INTERNATIONAL OYJ	Electrical Commissioning Engineer Enersense International Oyj	Eurajoki Satakunta <a href="#">↗</a>
MURATA ELECTRONICS OY	Software Design Engineer Murata Electronics Oy	Vantaa Uusimaa <a href="#">↗</a>
MICRO ANALOG SYSTEMS OY	Kokoonpanija Micro Analog Systems Oy	Helsinki Uusimaa <a href="#">↗</a>
 WÄRTSILÄ	Application Software or System Developer, Embedded and Extended Controls -	Vaasa <a href="#">↗</a>
 WÄRTSILÄ	Mechatronics & Analytics Development Engineer -	Vaasa <a href="#">↗</a>
 WÄRTSILÄ	Solution Architect, Finance and Control -	Vaasa, Helsinki, Turku <a href="#">↗</a>
WÄRTSILÄ FINLAND OY	Solution Expert Wärtsilä Finland Oy	Helsinki Uusimaa <a href="#">↗</a>
NEXTPHARMA OY	Production Engineer NextPharma Oy	Tampere Pirkanmaa <a href="#">↗</a>
MANPOWER ESTONIA/OSAÜHING MANPOWER	Call Centre Representative Manpower Estonia/Osaühing MANPOWER	<a href="#">↗</a>
VALMET AUTOMOTIVE EV POWER OY	Battery Test Engineer; Turku/Uusikaupunki Valmet Automotive EV Power Oy	Turku Southwest Finland <a href="#">↗</a>
VALMET AUTOMOTIVE	Solution Specialist	Salo <a href="#">↗</a>



# Similarity

- Semantic mapping of jobs
- Find relevant similar jobs
- Talent matching with CVs
- Filtering out Finnish-only positions

JOBS IN FINLAND BETA Search for... In area..

717 ENGLISH SPEAKING JOBS AVAILABLE

SIMILARITY MAP

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VALMET AUTOMOTIVE	Solution Specialist	Salo



# SILO<sub>AI</sub>

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**in**

