AI offering of the member companies of Analytics plus growth network

January 2019

Leila Saari

Analytics⁺

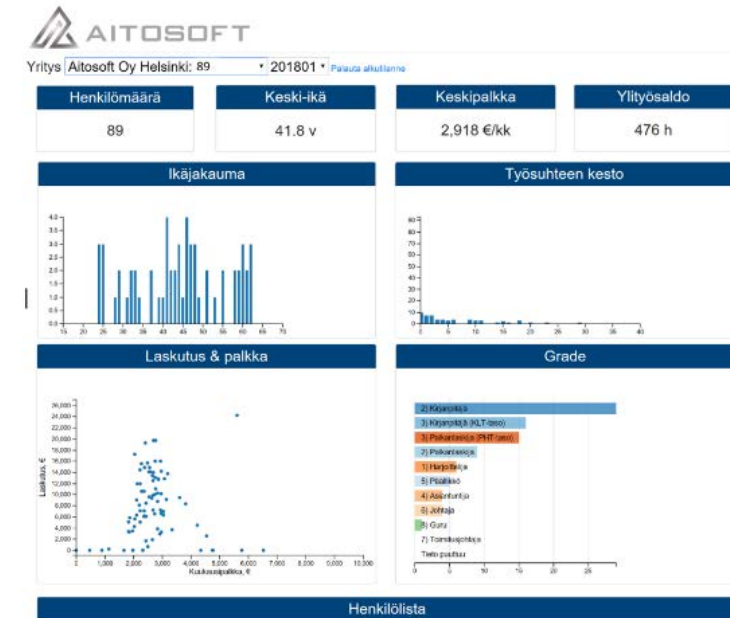# Aitosoft - Analytics visualisation platform

An extremely powerful Analytics platform for visualizing complex information. Easy to Use: No large report libraries, just a few clicks.

- Platform(s): Microsoft SQL server, Azure

- AI competences: Data Visualisation, Data Ingestion, Data munging

- Application domain(s): Can be used in any industry

- Public Reference: Tilipalvelu Rantalainen Oy

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Phone: +358 400 592 677
           www.aitosoft.com

Analytics⁺

Customized Machine Learning Solutions

Artific Intelligence provides customized machine learning programming and consulting to help your business discover the power of artificial intelligence.

- Platform(s): Python, R, Pandas, Scikit-learn, Keras, cloud

- AI competences: Machine learning, Data visualisation

- Application domain(s): Health, Science or technics, ICT, NLP

- References: Cell detection from microscope images, Predictive model for nodal metastasis of breast carcinoma, Hate speech detection system for Fazer marketing campaign

Contacts:

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tuomas.tikkanen@artific.ai
+358 451 555 075
Helsinki
www.artific.ai

Analytics⁺

Avarea: Analytical Brains at Your Service

Business Advantages through Analytics.

- Platform(s): Python & R ML-libraries, MS Azure, SAS Viya, AWS

- AI competences: Fundamentals, Statistics, Data visualisation, Big data, Machine learning, Data wranglin & ingestion

- Application domain(s): Customer, profitability and IoT analytics

- References: Elisa Oyj, Helsingin Seudun Ympäristöpalvelut, Kone, Oyj, Posti Oy, ThirdPresence Oy, Valio Oy, Valmet Oyj, YIT Oyj

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Phone: +358 44 0233306
City: Helsinki, Finland
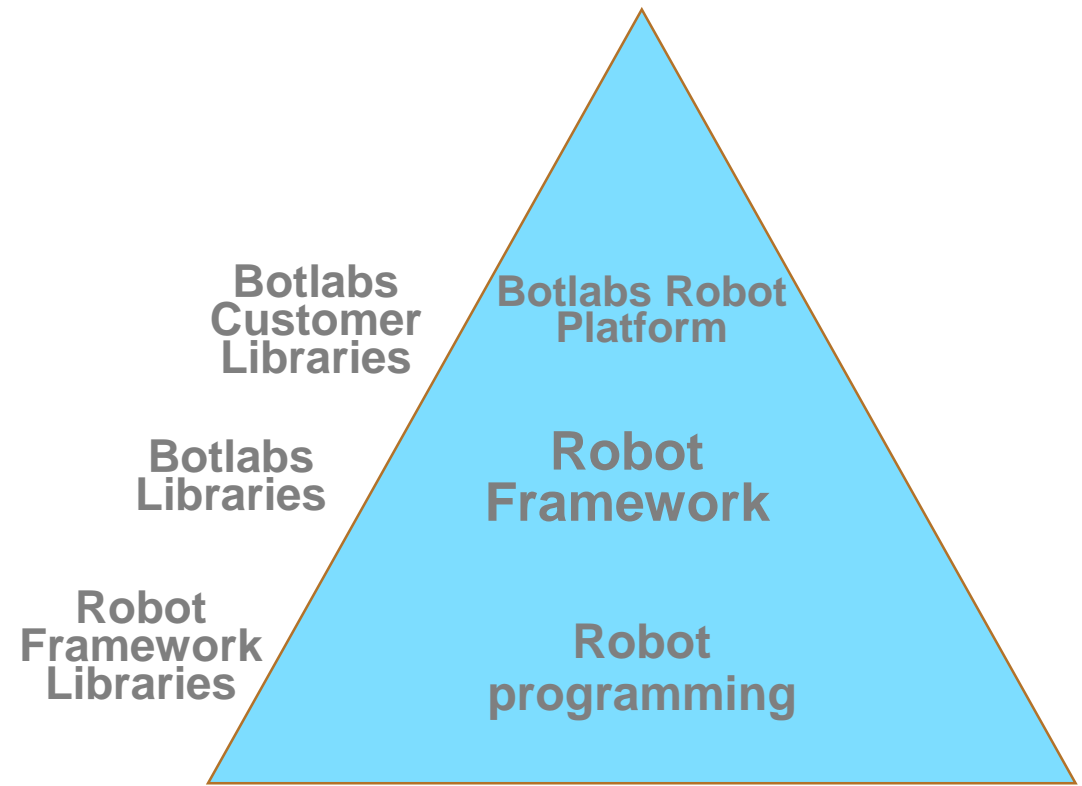https://avarea.fi/

Analytics⁺

Software Robotics will automise the manual work between various systems

Botlabs will provide low cost software robotics for all companies and for all domains. We will automate information flow between different information systems, ERP, invoicing etc which you currently do manually. Monthly fee, no other costs and no changes for the SW systems you currently use.

- Platform(s): BotlabsRobotPlatform, RobotFramework
- AI competences: RoboticProcessAutomation (RPA), Software Robots
- Application domain(s): ICT

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Phone   +358 40 5170140
City   Oulu
www   www.botlabs.fi

Botlabs Customer Libraries

Botlabs Libraries

Robot Framework Libraries

Botlabs Robot Platform

Robot Framework

Robot programming

Botlabs

Analytics⁺

Curious AI Digital Co-Worker

Our Vison is to make Digital Co-workers. Components which understand and automate knowledge tasks. Our Document Understanding product helps Enterprises in business process optimization. Our Industrial intelligence product helps process prediction, optimisation and process control.

- Platforms: Curious AI SaaS

- AI competences: Machine learning, Deep Learning

- Application domains: Industry(Production) , ICT, Enterprises, Auditing Firms

- References: Berggren & Neste Engineering Solutions-
https://www.neste.com/neste-engineering-solutions-and-curious-ai-develop-advanced-ai-technology-process-industry
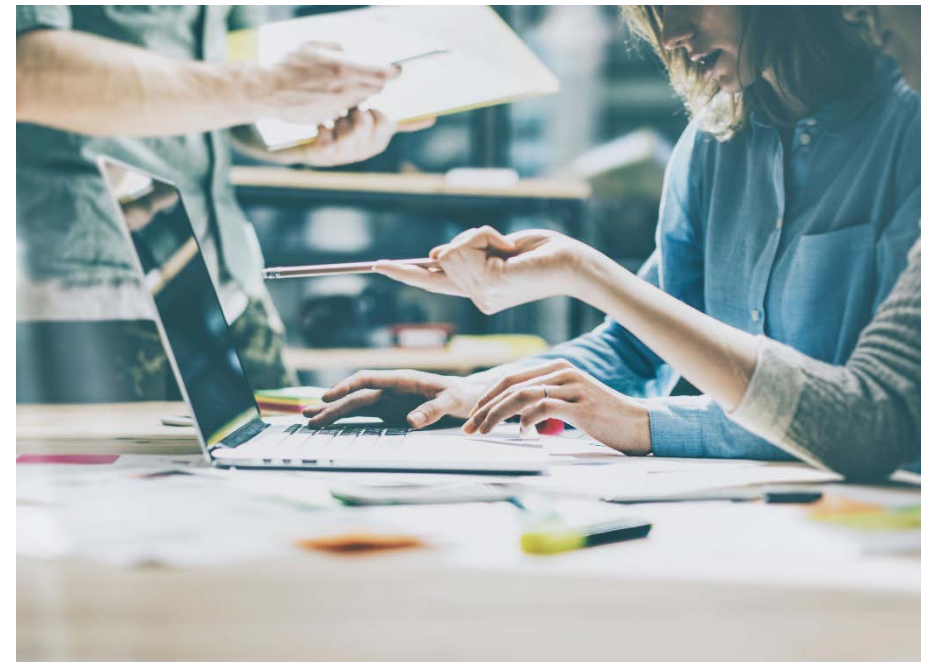
Contacts:
Name - Apurva Dhawan
E-mail - sales@cai.fi
Phone - 0401427466
City - Helsinki
www.thecuriousaicompany.com

Analytics⁺

Sense of your data

We are your trusted digital transformation and data analytics partner. We help you to achieve business performance improvements with hands on grip – from solution architecting to implementation and maintenance

Platform(s): Power BI, R, Azure, Python

AI competences: Data architectural design, Advanced data analytics, Statistics, Programming, Machine learning, Neural Networks, Data Visualization, Block chain technologies.

Domains: Transportation, water utilities, agriculture

References: Vainion liikenne, Pohjolan matka, Salo City IoT architecture, Sitra BDE, Salo water utilities ltd.

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datasense

Analytics⁺

Herman IT Data Center infrastructure is optimized for high performance computing and AI platforms

IBM Cloud Private for data is the building block and foundation for centralized data storing and transforming data to be ready for enhanced analytics and AI. Technology is platform agnostic and supports multi-cloud environments. Capability to provide expertise e.g. integrations to data sources, data preparation and visualization and building dashboards.

Herman IT Private Cloud enables public cloud tools and services in a private data center with transparent and forecastable pricing. Centralized cloud management covering public clouds e.g. AWS, IBM Cloud & Azure.

- Platforms: GPUs, X86, POWER9, IBM Cloud Private, IBM Cloud Private 4 Data, Containers

- AI competences: AI Platforms, Data Ingestion, Data Munging, Enhanced Analytics, Machine learning

- Application domain(s): Mining, Industry, Finance and Insurance, Machinery, Forest industry, ICT

- References: Curious AI, Valossa and several non-public references

Contacts:
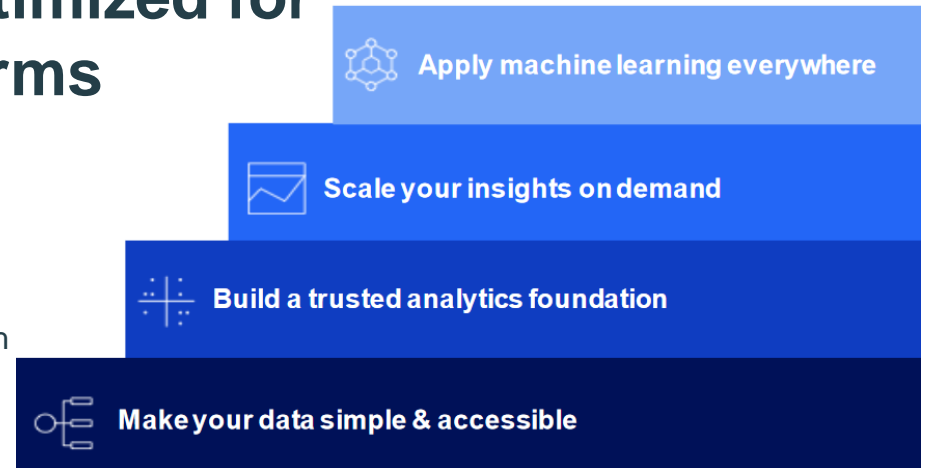
Kari Maikkola & Veli-Antti Leinonen
Kari.maikkola@hermanit.fi +358 45 636 1884
Veli-Antti.Leinonen@hermanit.fi +358 44 740 1010
Kajaani, Oulu, Helsinki
www.hermanit.fi

Analytics⁺

Apply machine learning everywhere

Scale your insights on demand

Build a trusted analytics foundation

Make your data simple & accessible

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STABLE. SECURE. IN FINLAND.

InnoVIBE Road Information System monitors road condition and classifies vechicles

Innofreaks builds an intelligent road infrastructure based on sensors which are placed in the road structure.

- Platform(s): cloud technology
- AI competences: patterns in data, Machine learning, Algorithms, optimisation
- Application domain(s): Logistics, (road) construction, Sports, Wellbeing
- References:

Contacts:
sales@innofreaks.fi
gsm +358 50 436 2439
Espoo
www.innofreaks.fi

Analytics⁺

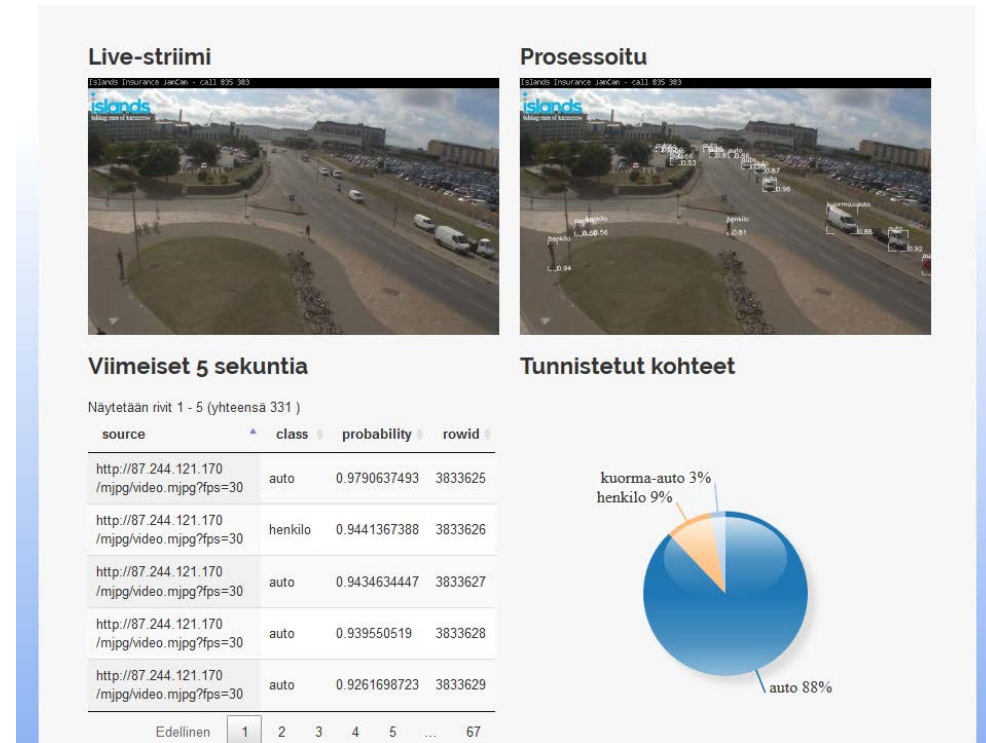# Case: Real-time Video Stream Analysis

Picture and video identification and real-time process including fast forecasting

- Platform(s): Azure, Yolo, Kalman Filter, Social LSTM
- AI competences: Machine Learning, Open-source technologies
- Application domain(s): ICT, several industries
- References: https://www.invenco.fi/video-stream-tietomassat-analysointi/

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www.invenco.fi

invenco

Smarten – Advanced Data Discovery tools

Just Sourcing is Nordic distributor and analytics consulting partner of Smarten Analytics Suite. We provide Smart Data Discovery tools including Augmented Analytics solution that provides sophisticated Self-Serve Tools and Guidance for the Business Users. Our easy-to-use Advanced Data Discovery Tools are suitable for all users from Business User to Data Scientist.

- Platform(s): Built on Apache Spark, runs on cloud and on-premise, R integration

- AI competences: ML, Big Data, Statistics, Data ingestion and visualisation

- Application domain(s): ICT, multiple domains

- References: Visma Public Oy

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City: Espoo
Www: www.justsourcing.fi

Analytics⁺

Lingsoft Makes Language Digital – on Every Level

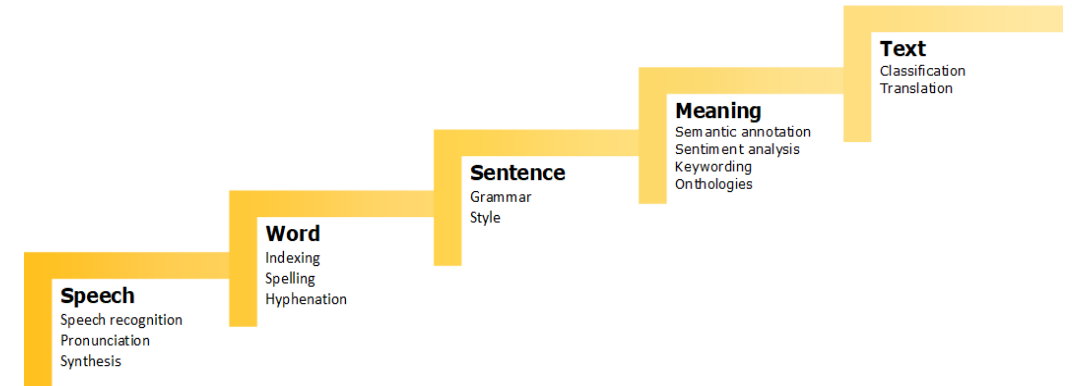## De Facto Standard of Language Analysis

Lingsoft provides a wide range of services and solutions designed for the analysis, processing, production and management of spoken and written language. We help our customers understand, produce, find, create, use and edit linguistic information in a digital world filled with words.

Keywords: Accessibility, Discoverability, Productivity; Text Analytics, Speech Recognition, Machine Translation

- Platform(s): IBM Watson Explorer, Microsoft Office, Adobe InDesign and InCopy, Lingsoft LMC3.0 (API's available)

- AI competences: Machine learning, Text mining, NLP, Big Data

- Application domain(s): ICT, Finance and insurance, Science or technics, Management and support, Public, Education, Health, Media (and more)

- References: IBM, Microsoft, VRK/Suomi.fi, YLE, VSSHP / Auria Palvelut, SYNLAB

Contacts:

Maria Leinonen, Chief Digital Experience Officer
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Phone: +358 40 5465 717
City: Turku, Finland
www.lingsoft.fi

Text
Classification
Translation

Meaning
Semantic annotation
Sentiment analysis
Keywording
Onthologies

Sentence
Grammar
Style

Word
Indexing
Spelling
Hyphenation

Speech
Speech recognition
Pronunciation
Synthesis

Lingsoft®

LANGUAGE MANAGEMENT

Analytics⁺

Acoustic and vibroacoustic applications and sensor solutions for IIOT customers

Melufoni ® wireless stethoscope – a product example of embedded electronics, radio technology and energy efficient systems - is an excellent tool for fault detection and condition monitoring.

- Platform(s): Windows/Linux, embedded, MatLab, Python, Java, C++

- AI competences: Fundamentals, programming, machine learning, visualization and toolboxes

- Application domain(s): Science of technics, Industry
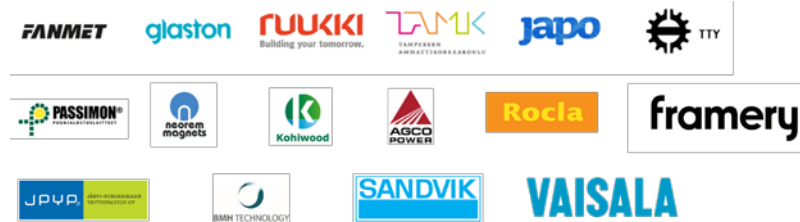
- References: e.g.

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Hermiankatu 12E, Tampere, Finland

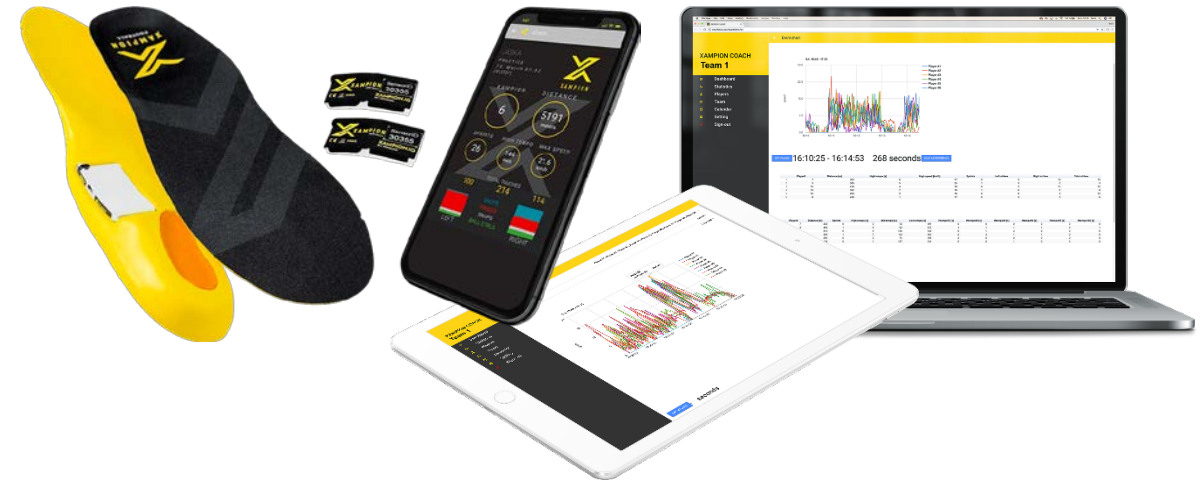www.meluta.fi

Analytics⁺

Multi-purpose motion detection and data analytics for fact-based decision making

Progda has built a platform for modelling and analysing motion tracked by wearable sensors. The technology can be used to analyse movement in sports, health care, manufacturing and numerous other environments. The first product application built with this technology is the Xampion Football Tracking System.

- Platforms: HW, Firmware, C and MS.NET

- AI competences: Statistics, Programming, Data visualisation, Big Data, Data ingestion, data munging

- Application domains: Science or technics / Other services

- References: Xampion® Football Tracking System (xampion.com)

Contacts:

Name: Mr. Tero Suominen, CEO
Email: tero.suominen@progda.com
Phone: +358 50 482 0827
City: Kaarina, Finland
www: progda.com / xampion.com

Analytics⁺

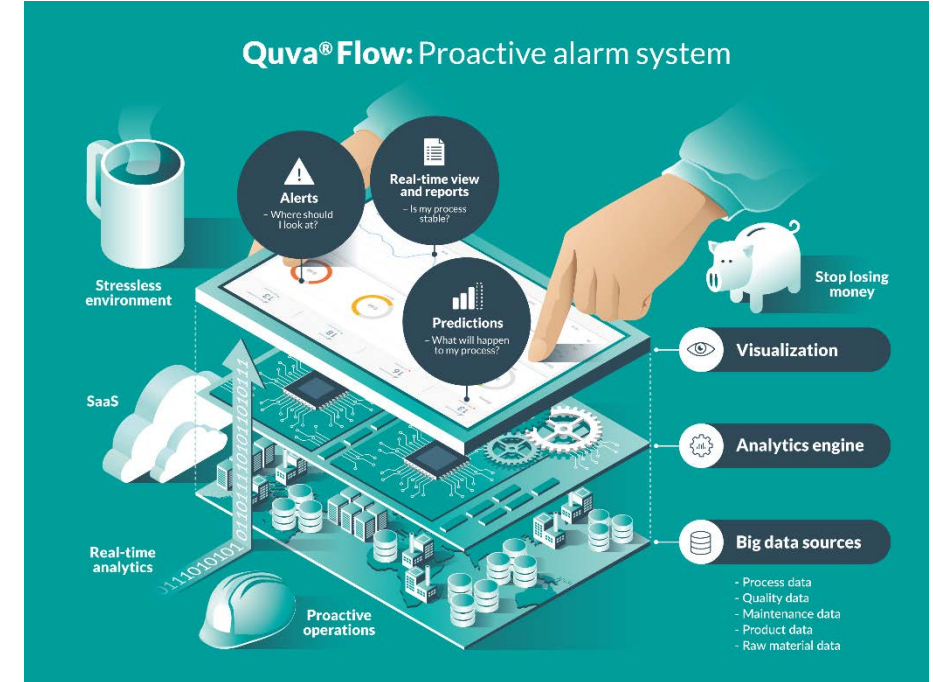# Quva® Flow – AI enhanced process quality monitoring for keeping things in control

Easy-to-use automated analytics and visualizations with innovative tacit knowledge integration

- Platform(s): Open source

- AI competences: Statistics, Programming, Machine learning, Data visualisation, Big data

- Application domain(s): Industry (production)

- References: UPM, Stora Enso, Mondi, BillerudKorsnäs, SSAB, Outokumpu, Mirka, Teknos, Tikkurila, Aurubis, etc.

Contacts:

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www	www.quva.fi/en

Tailor-made AI solutions for your business

Leverage cutting edge technology and machine learning research by 20 PhDs for faster data processing, quick iterations, simple proof-of-concepts and easy deployment with continuous learning, with a human always in the loop.

- Platform(s): Tensorflow, Keras, PyTorch, scikit-learn, Google cloud

- AI competences: Machine Learning; Text mining, NLP; Computer Vision

- Application domain(s): Industry (Production), Finance, Energy

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Analytics⁺

Steamlane data analytics and cloud solutions for IoT and digitalization projects
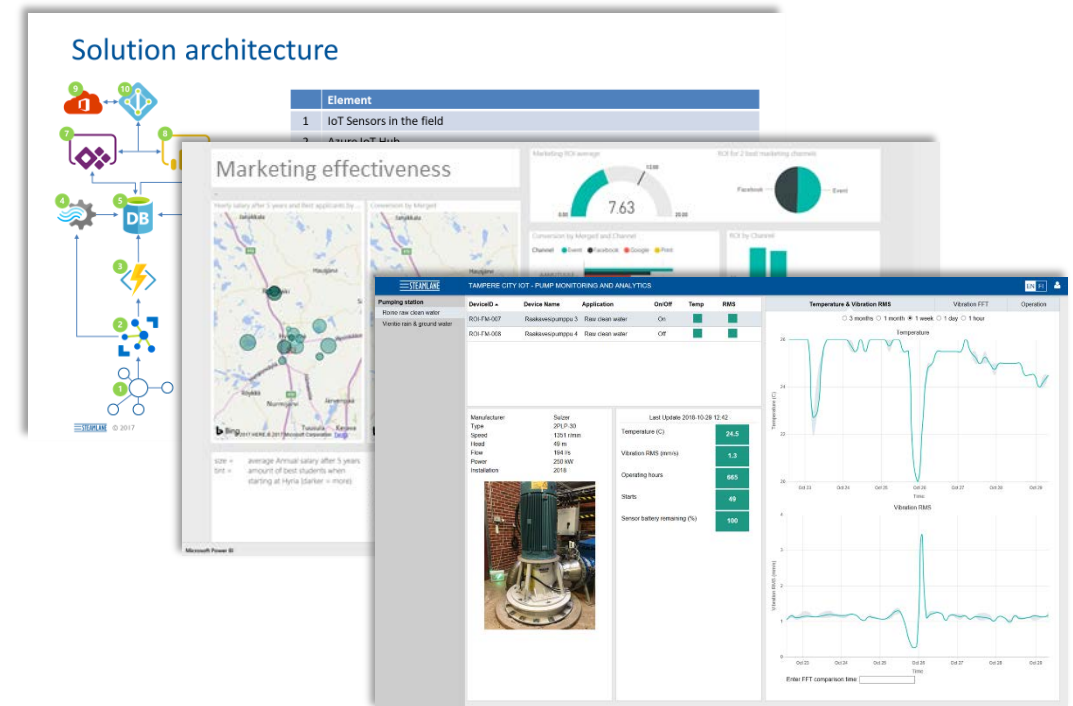
We help customers to utilize data for improving their business

- Platform(s): Microsoft Azure and open source key libraries

- AI competences: Fundamentals, Statistics, Programming, Machine learning, Text mining and NLP, Data visualisation, Big data, Data ingestion

- Application domain(s): Industry, Energy, Water and waste, Logistics, ICT, Management and support, Public, Education

- References: Several private and public sector customers

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www.steamlane.com

Analytics⁺

Advanced analytics and computer vision solutions powered by AI.

Top Data Science is a Finnish data science company focusing on AI powered Computer Vision and Deep Learning solutions, technologies and development services. The company is working and partnering with several corporate customers in technology, healthcare and IIoT.

- Platform(s): Our solutions are based on major open-source technologies, Python.

- AI competences: Deep learning, Machine Learning, Computer Vision

- Application domain(s):

  - Industry (production)

  - Health

- References: Morpho Inc., GE, Stora Enso, Optofidelity, HUS Hospital, Global Biotechnology Company (Undisclosed).
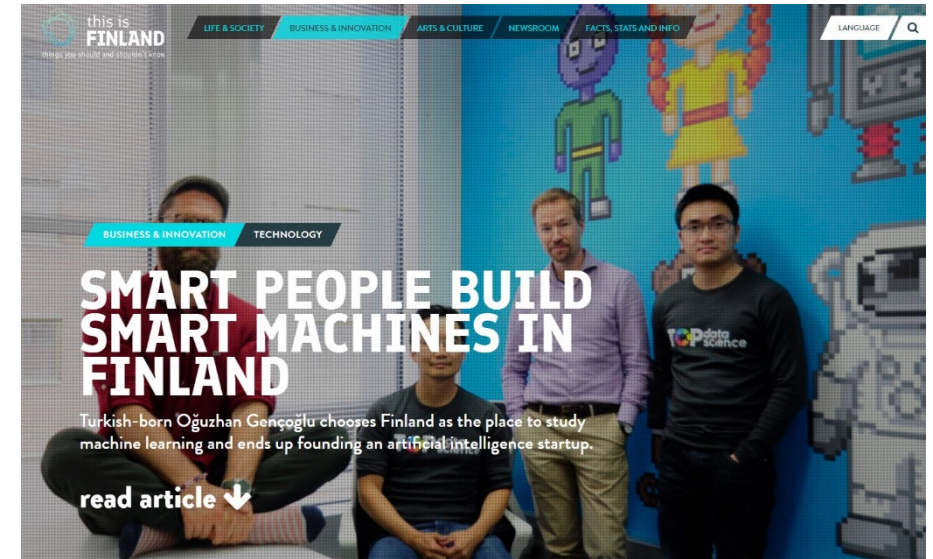
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Top Data Science Ltd. Kuortaneenkatu 2 FI-00510 Helsinki FINLAND
http://topdatascience.com/

Analytics⁺

Valossa AI – the leading video recognition and content intelligence platform

Valossa AI use cases: content compliance and safety, real-time monitoring, content search and management.

- Platform(s):

- AI competences: Toolbox, pattern recognition, machine learning

- Application domain(s): ICT, arts, media

- References:

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mika@valossa.com / mika.Niska@valossa.com
+358 400 122586 / +358 50 4876582
Oulu
www.valossa.com

Analytics⁺

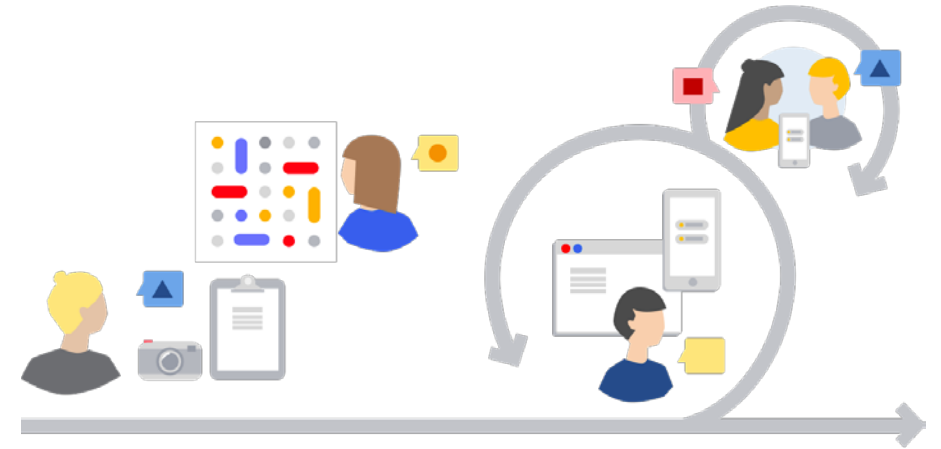# Varis includes text data sets to your analysis

Varis acts as a mediator between the inherently heterogeneous and complex world of texts and a more rigid data model.

- Platforms: as needed, native Python API, Docker deployment

- AI competences: programming, NLP, machine learning, data ingestion

- Application domains: ICT, Industry, Energy, Finance and insurance, Sales, Science or technics, Health, other services

- References: Otavamedia, Laurea

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Analytics⁺

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Analytics⁺