GAIK
GenAI pk-liiketoiminnassa: hyötyjä ilman harhakuvia

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GAIK
GenAI pk-liiketoiminnassa: hyötyjä ilman harhakuvia

12:00–12:15 Avaus ja tervetulosanat: Jussi Myllärniemi, Tampereen yliopisto
12:15–13:00 Keynote: Tekoälyn mahdollisuudet, Pekka Abrahamsson, Tampereen yliopisto
13:00–13:30 Odotukset tekoälylle: Kari Varis, Satakunnan Yrittäjät
13:30–14:30 GAIK-hankkeen tutkimustuloksia
14:30–15:00 Kahvitauko: Tapaa tutkija – Tukea tekoälyn käyttöönottoon ja projekteihin organisaatiossasi
15:00–15:30 Oppeja GAIK-hankkeesta: case-organisaatioidenn näkökulmat
15:30–16:00 Päätöspuheenvuoro: Tekoälyn pimeä puoli, Henri Pirkkalainen, Tampereen yliopisto

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Aikataulu

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Avaus ja tervetulosanat
Jussi Myllärniemi
Tampereen yliopisto

Tekoälyn mahdollisuudet
Pekka Abrahamsson
Tampereen yliopisto

Odotukset tekoälylle
Kari Varis
Satakunnan Yrittäjät

GAIK-hankkeen tutkimustuloksia
Jukka Remes ja Janne Kauttonen
Haaga-Helia
Veera Saastamoinen
Tampereen yliopisto

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Generative AI-enhanced Knowledge Management - GAIK tutkimushanke

Hyödynnetään generatiivista tekoälyä (GenAI) ratkaisemaan organisaatioiden kriittisiä liiketoimintahaasteita tiedolla johtamiseen liittyen.

Hankkeen päätavoite:
Avoimen työkalupakin (toolkit) luominen tiedolla johtamiseen keskittyvien GenAI-ratkaisujen kehittämiseen ja käyttöönottoon.

Generative AI-enhanced Knowledge Management - GAIK tutkimushanke

Hankkeen päätavoite:
Avoimen työkalupakin (toolkit) luominen tiedolla johtamiseen keskittyvien GenAI-ratkaisujen kehittämiseen ja käyttöönottoon.

Kohdeyleisö:
Pienet ja keskisuuret yritykset (pk-sektori)

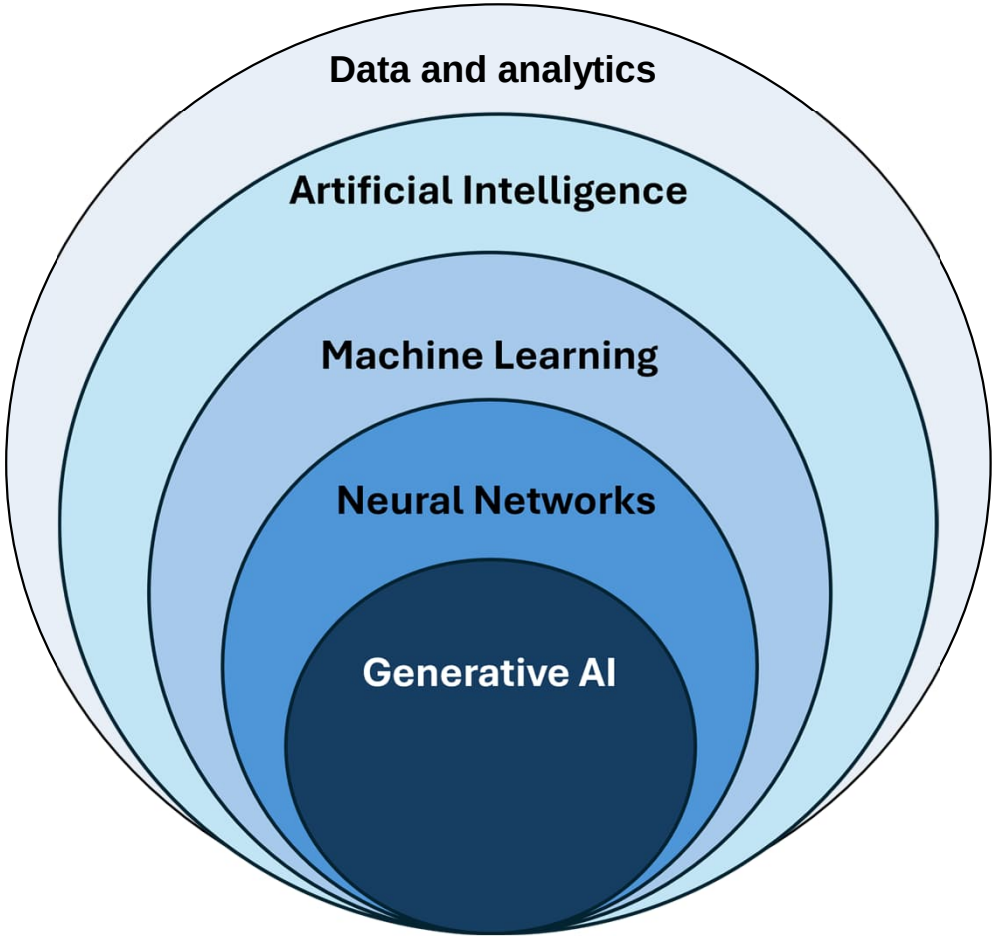
Yliopisto-yritys yhteistyö

Projektikonsortio:
3 korkeakoulua ja 4 yritystä (Luvata, Lotus Demolition, QAdental, Azets).

Aikataulu: 01.02.2025 – 31.01.2027

Euroopan unionin (Euroopan aluekehitysrahasto), yliopistojen ja yritysten yhteisrahoittama

Generatiivinen tekoäly ja tiedolla johtaminen



GenAI Tiedolla johtamisen tukena?

Tiedolla johtamiseksi kutsutaan toimintatapoja, joilla jalostetaan ja hyödynnetään organisaation tietoa (ml. data, informaatio, tietämys) päätöksenteon tukena.

Tiedolla johtaminen pyrkii tiedon puutteesta johtuvan epävarmuuden vähentämiseen ja tiedon paljoudesta syntyvän monitulkintaisuuden hallintaan (Jalonen, H. 2015).

Aikataulu

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15:30–16:00 Päätöspuheenvuoro: Tekoälyn pimeä puoli, Henri Pirkkalainen, Tampereen yliopisto

Seuraavana

TEKOÄLYN MAHDOLLISUUDET

Pekka Abrahamsson, Tampereen yliopisto

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Tampere University

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Placeholder Pekka

Seuraavana

ODOTUKSET TEKOÄLYLLE

Kari Varis, Satakunnan Yrittäjät

Co-funded by the European Union

In collaboration with

MIKRO- JA PK-YRITYKSET TEKOÄLYMURROKSESSA

Satakunnan Yrittäjät
Kari Varis 03/2026

YRITTÄJYYDEN PUOLESTA

MITÄ MERKITYSTÄ ON PIENILLÄ YRITYKSILLÄ?

Suomessa on noin 480 000 yritystä (tilastokeskus 2024)

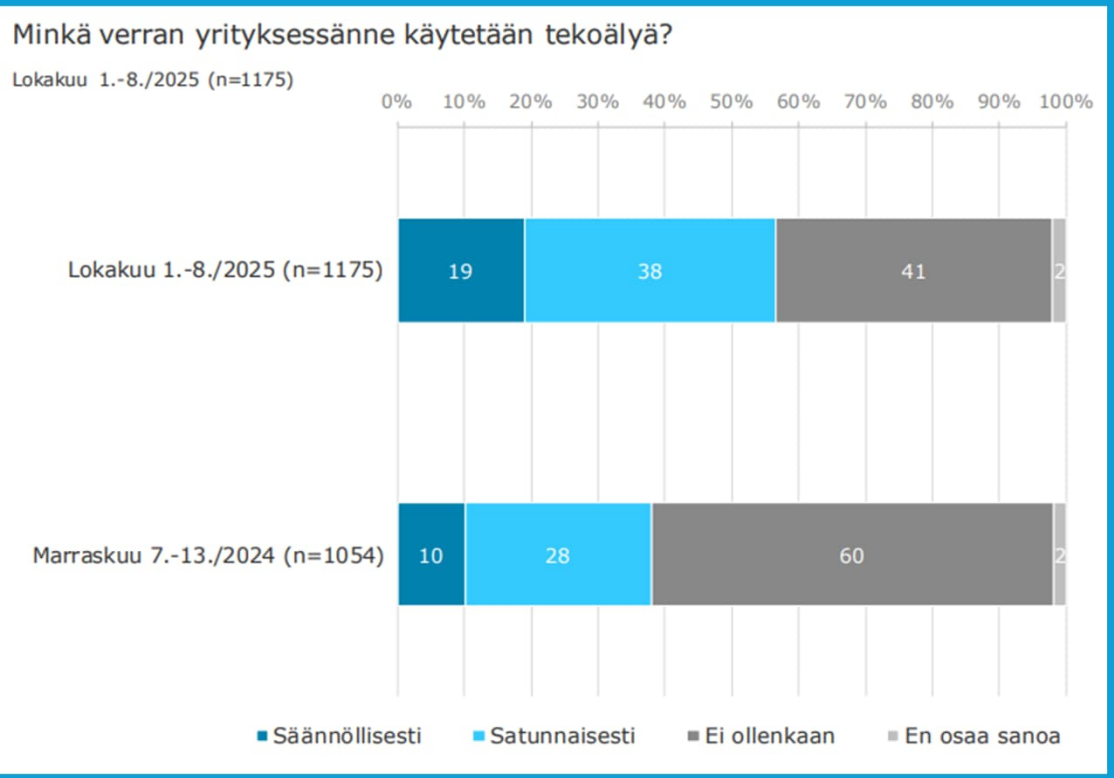
- 460 000 näistä työllistää alle 10 henkilöä (eli 96% yrityskannasta)
- 180 000 yrityksistä on yksinyrittäjiä
- Suuryrityksiä Suomessa on vain 676 (eli 0,1%)
  - Suuryritys = yli 250 henkilöä työllistävä

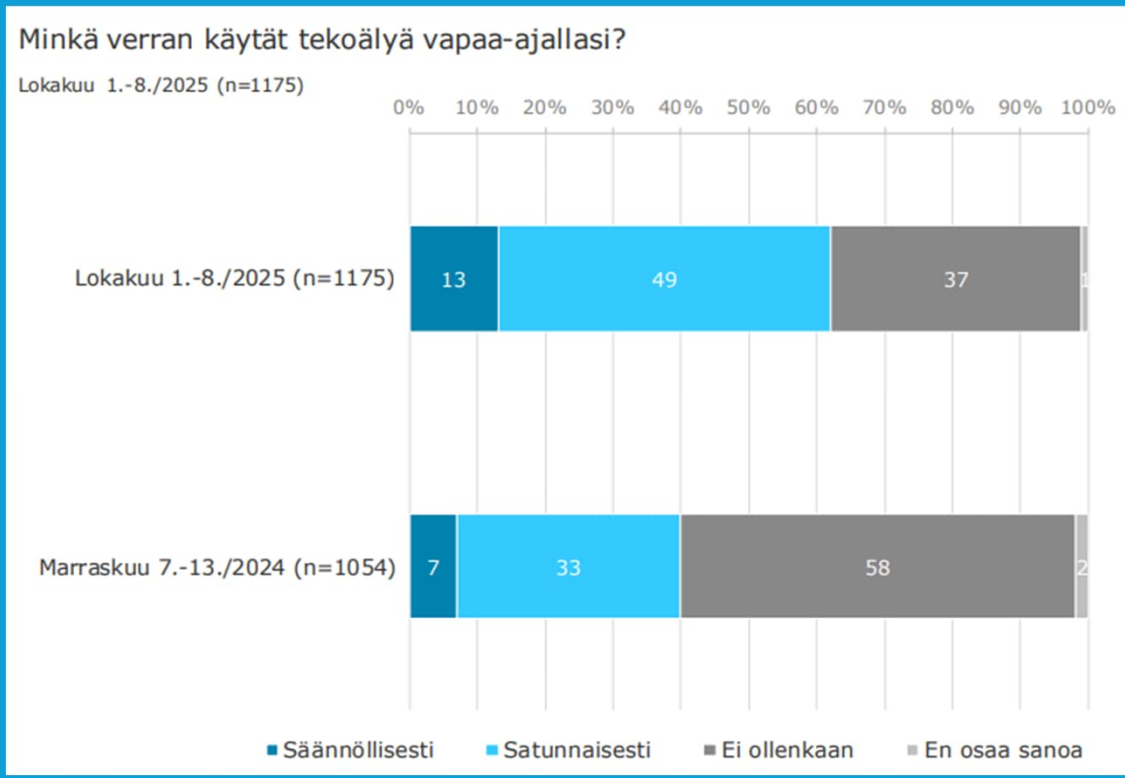
Puolet (53,6%) 527 miljardin kokonaisliikevaihdosta tulee pk-yrityksistä

40% Bruttokansantuotteestamme muodostuu pk-yrityksissä

YRITTÄJÄGALLUP 10/2025 (valtakunnallinen tutkimus)

Yrittäjät

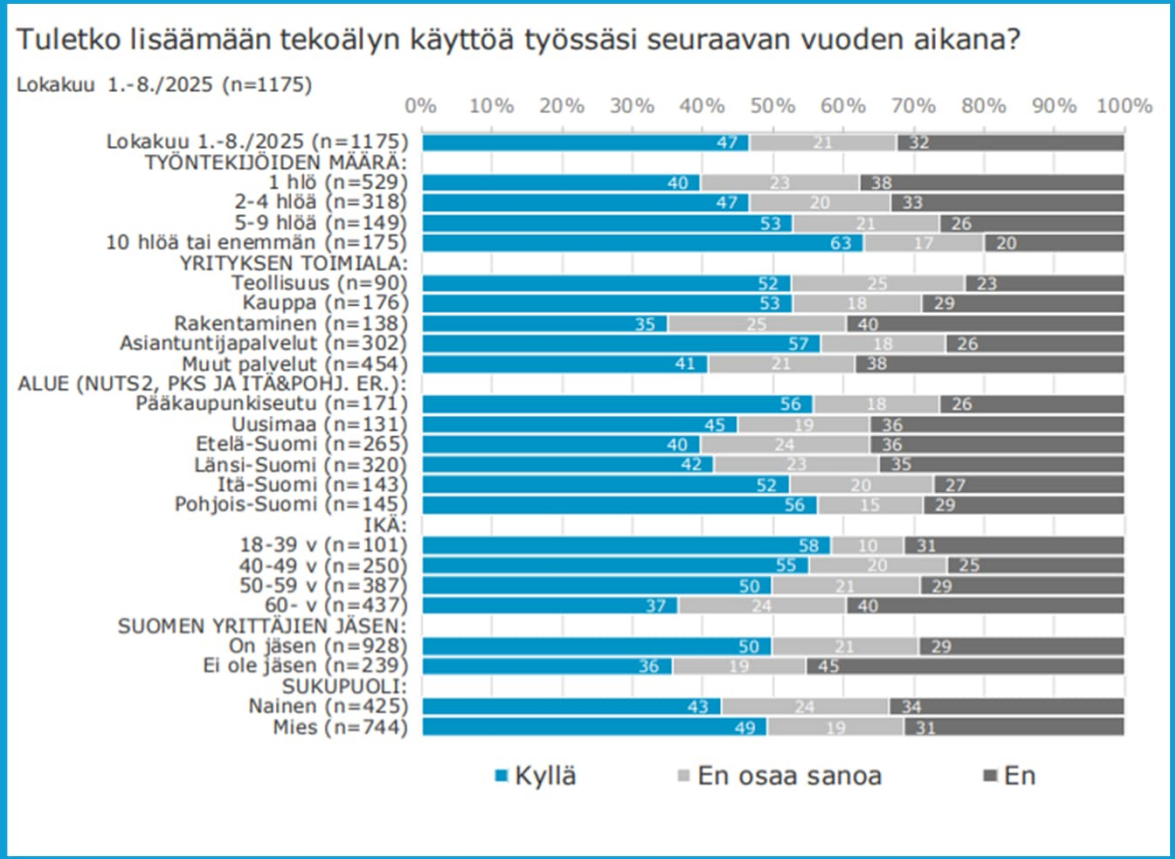




YRITTÄJÄGALLUP 10/2025 (valtakunnallinen tutkimus)

Yrittäjät

- Suuremmat yritykset aktiivisempia kehittäjiä
- Teollisuus, kauppa ja asiantuntijat aktiivisimpia
- Rakennusala heikoin
- Länsi-Suomen tulos toisiksi heikoin

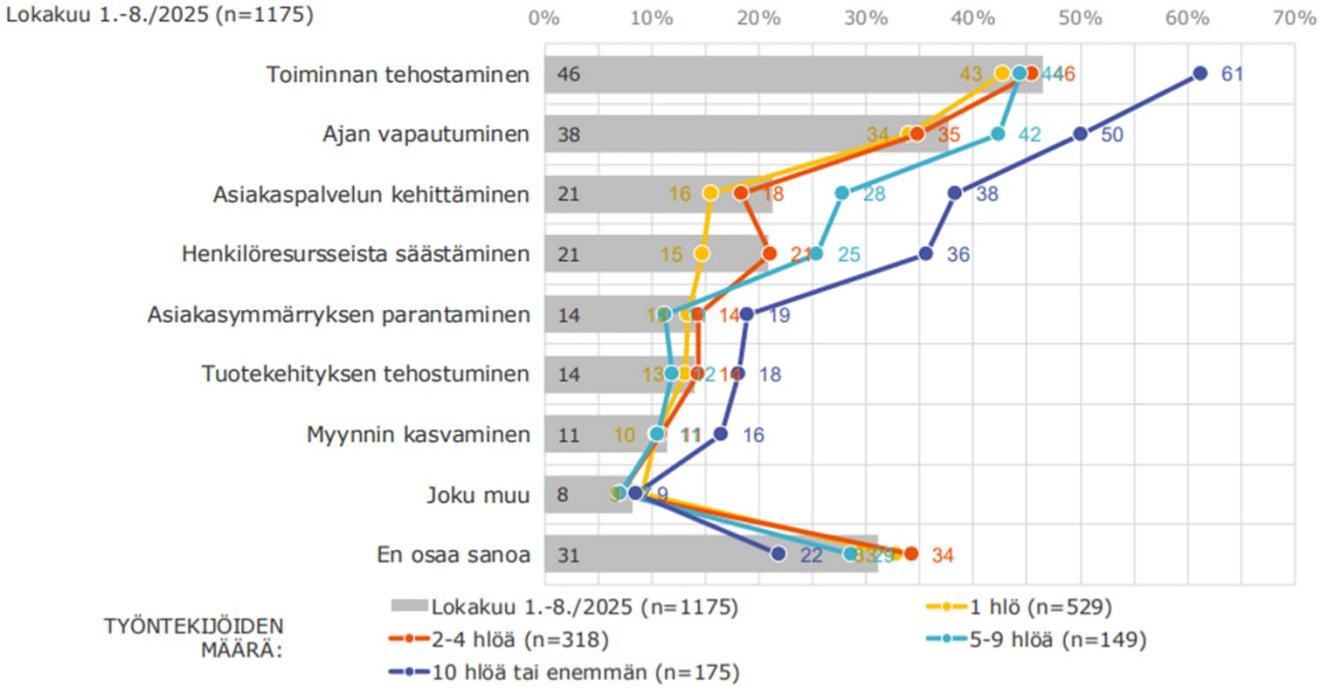


YRITTÄJÄGALLUP 10/2025 (valtakunnallinen tutkimus)

Yrittäjät

Tekoälyn käytön hyödyt

Mitä hyötyjä näet tekoälyn käytössä?

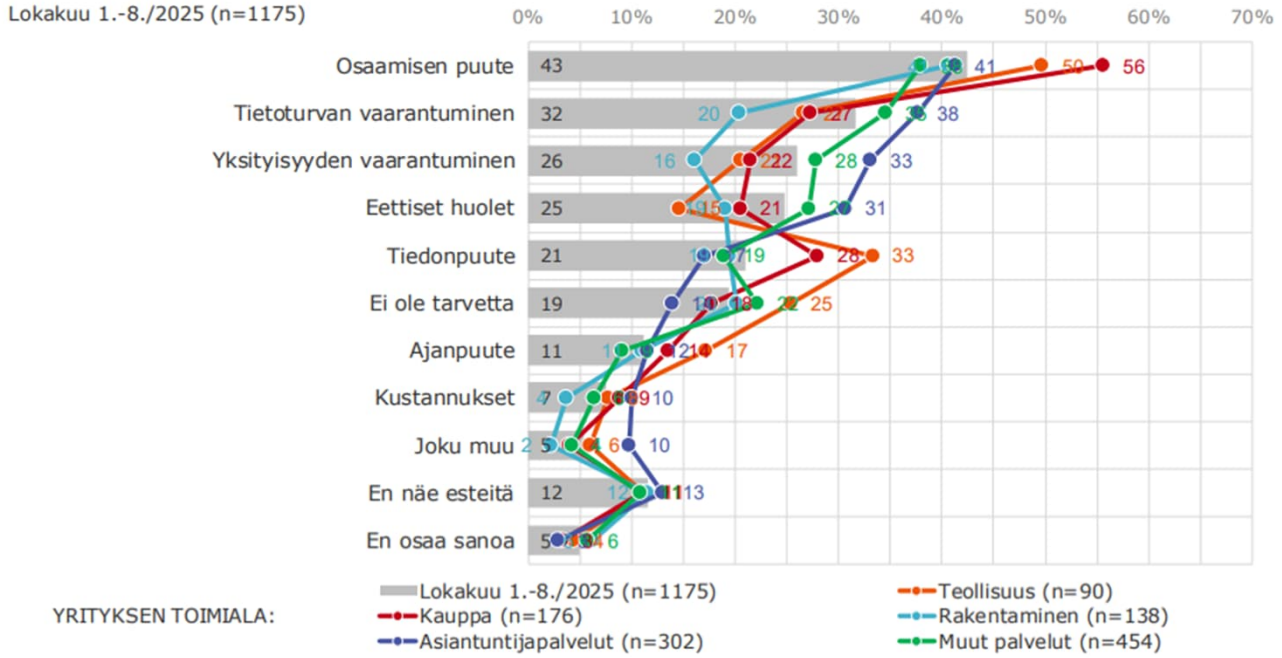


YRITTÄJÄGALLUP 10/2025 (valtakunnallinen tutkimus)

Yrittäjät

Tekoälyn käytön esteet

Mitä esteitä näet tekoälyn käytössä?

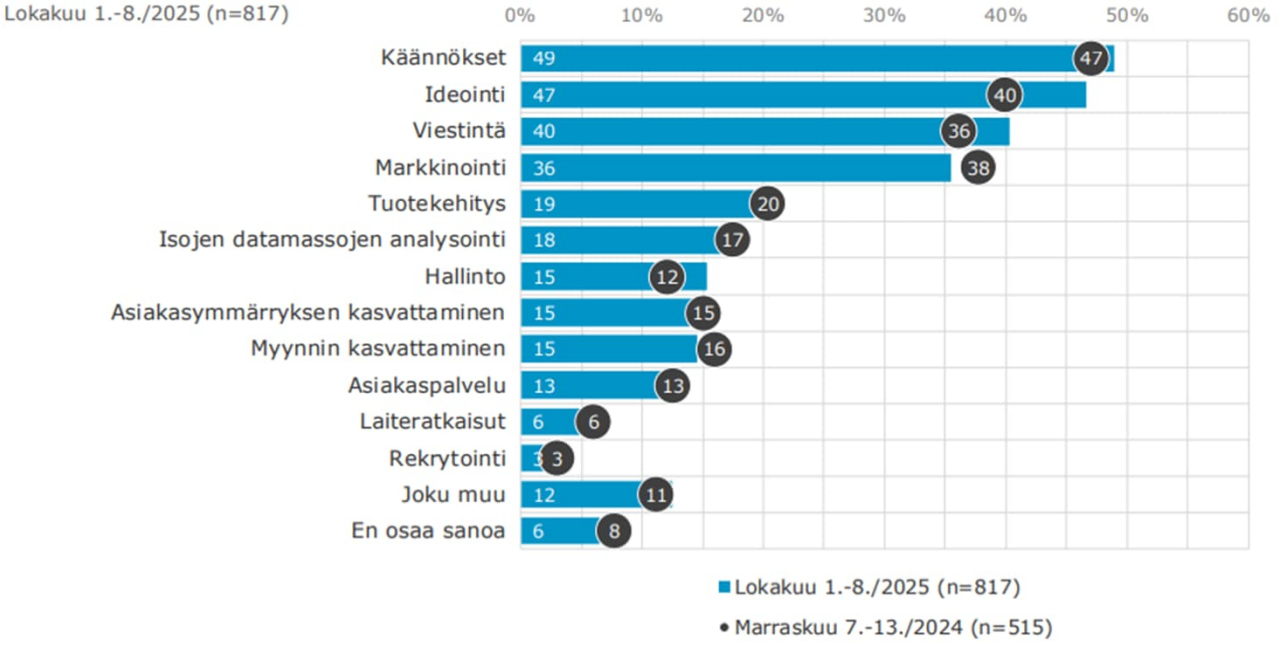


YRITTÄJÄGALLUP 10/2025 (valtakunnallinen tutkimus)

Yrittäjät

Mihin tarkoitukseen käyttää tekoälyä?

(jos käyttää tekoälyä)
Mihin tarkoitukseen käytät tekoälyä?



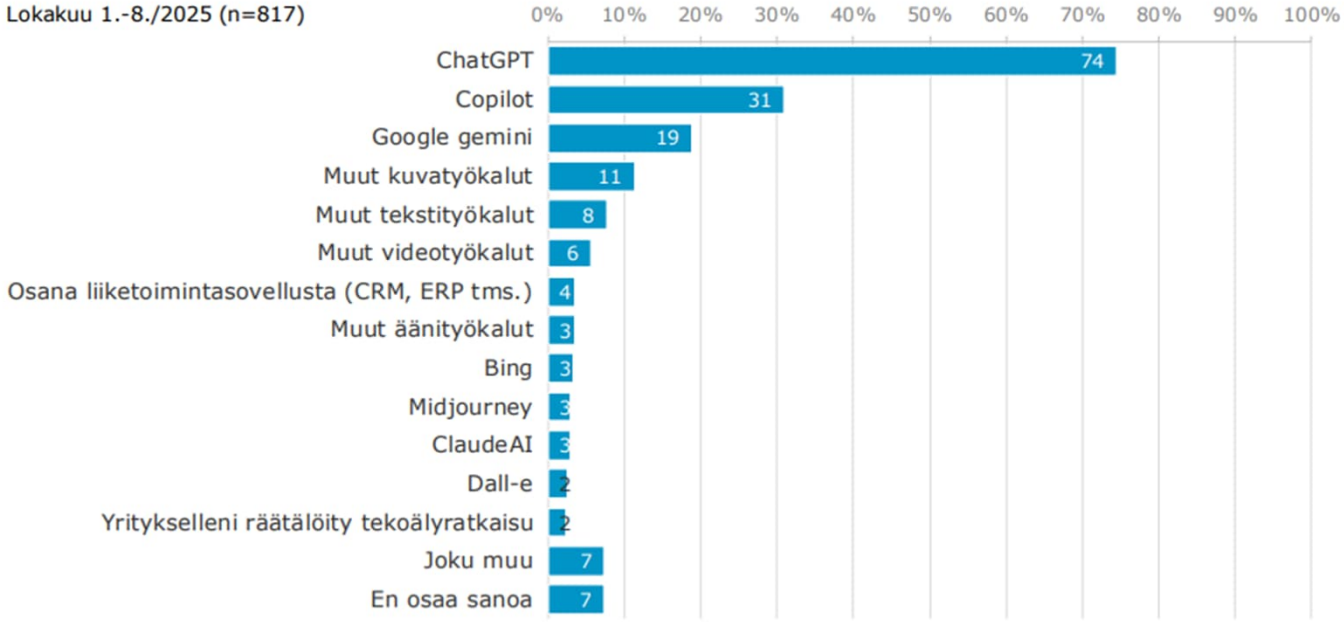
YRITTÄJÄGALLUP 10/2025 (valtakunnallinen tutkimus)

Yrittäjät

Mitä tekoälyn työkaluja käyttää?

(jos käyttää tekoälyä)
Mitä työkaluja käytät?

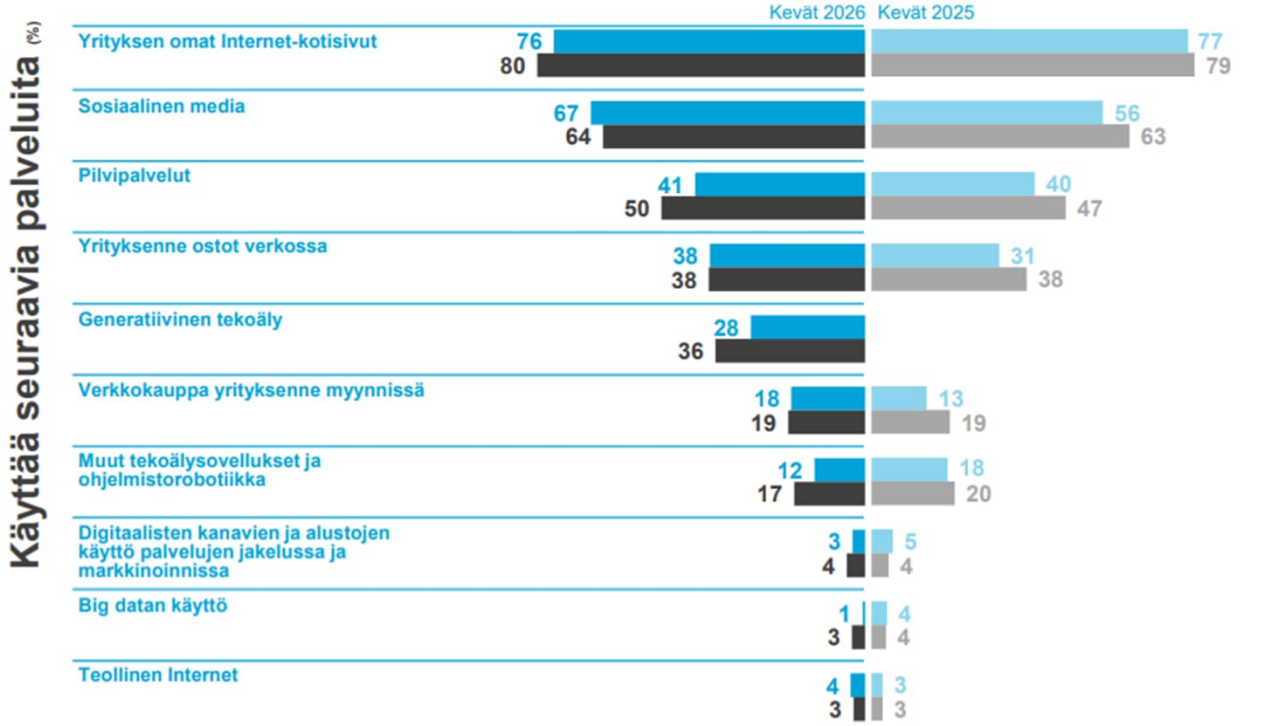
Lokakuu 1.-8./2025 (n=817)



PK-Yritysbarometri Satakunta 1/2026

PK-YRITYKSET JA DIGITAALISET PALVELUT

Tällä hetkellä käytössä olevat digitaaliset työkalut ja palvelut



Pk-yritysbarometri, kevät 2026 alueraportti, 13.2.2026

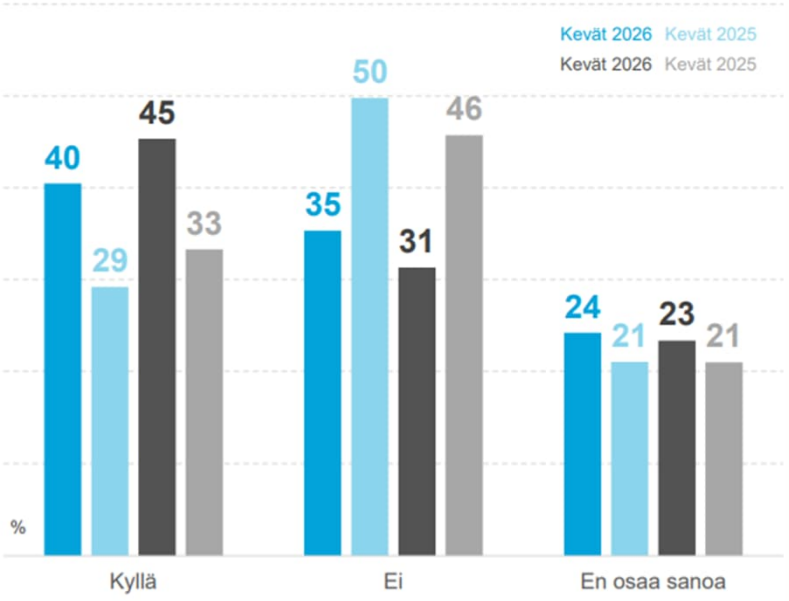
Tutkimuksen toteuttaja: taloustutkimus oy

PK-Yritysbarometri Satakunta 1/2026

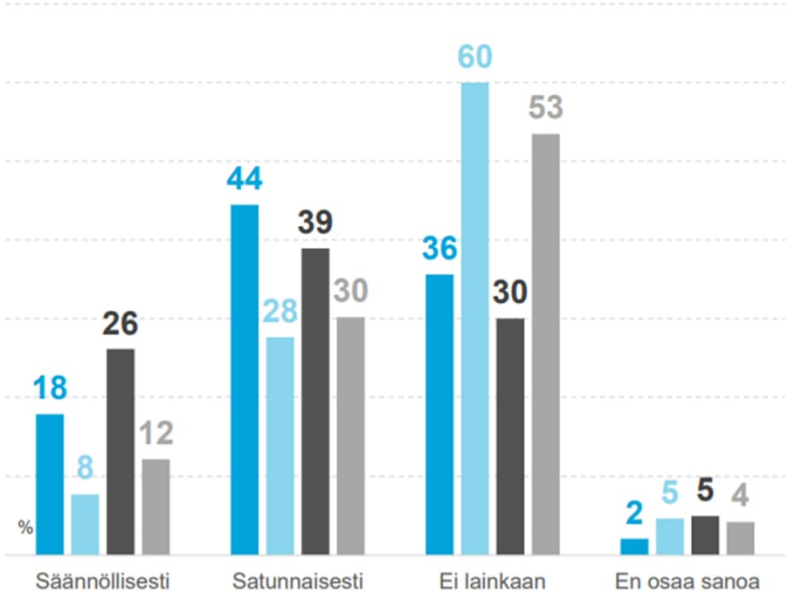
PK-YRITYKSET ja TEKOÄLY

Satakunta | Koko maa

Koetteko tekoälyn käytön yrityksenne kannalta relevanttina nyt tai seuraavan 12 kk aikana?



Kuinka usein yrityksessänne käytetään tekoälyä?



Pk-yritysbarometri, kevät 2026 alueraportti, 13.2.2026

Tutkimuksen toteuttaja: taloustutkimus oy

LOPPUPÄÄTELMIÄ

- Pienet yritykset kaipaavat edelleen runsaasti apua tekoälyn hyödyn löytämisessä
- Tarve korostuu mm. Rakennusalalla, joka on esimerkiksi Yrittäjäjärjestön jäsentoimialoista suurin
- Satakunnassa erityisen tärkeää löytää oikeat työkalut pk-yrityskentän avuksi
- PK-yrityskenttä miettii vielä tekoälyä, joten GenAI on käsitteenä hankala
- Pääosassa pk-yrityksiä yrittäjä kaiken takana = aikaresurssi
- Kilpailukyvyn kannalta Satakunnassa ollaan myöhässä
- Suuremmat pk-yritykset tekoälyssä mukaan prosesseihin ja automaatioon
- Pienet yritykset pois kokeiluvaiheesta.

YRITTÄJYYDEN PUOLESTA

Seuraavana
GAIK-HANKKEEN TUTKIMUSTULOKSIA
Jukka Remes ja Janne Kauttonen, Haaga-Helia

Co-funded by the European Union

Haaga-Helia

UNIVERSITY OF HELSINKI

Tampere University

In collaboration with

FAIR Finnish AI Region | EDIH

GAIK Project and Toolkit Overview

Jukka Remes

Haaga-Helia University of Applied Sciences

Co-funded by the European Union

In collaboration with

Research results of GAIK project
GenAI in SME business -event
Mar 17, 2026 @ Tampere

Co-funded by the European Union

Haaga-Helia

UNIVERSITY OF HELSINKI

Tampere University

In collaboration with

FAIR Finnish AI Region | EDIH

GAIK Project and Toolkit Overview

Jukka Remes

Haaga-Helia University of Applied Sciences

Co-funded by the European Union

In collaboration with

Project motivation

Generative AI has significant potential to increase the productivity of knowledge work.

- **Example experiments:** consultants using AI were significantly more productive – they **completed 12.2% more tasks on average**, and completed tasks **25.1% more quickly** (Dell'Acqua, 2023)
- **Example cases from practice:** Customer-support agents at a large firm selling business-process software demonstrated a **15% increase in productivity when assisted by generative AI** (Brynjolfsson, 2025).

However, tangible business value from Generative AI implementation projects is still limited.

- "**only 26% of companies** have advanced beyond the proof-of-concept stage to generate value" Source: BCG's report (de Bellefonds et al, 2024).
- "Despite $30–40 billion in enterprise investment into GenAI, **95% of organizations are getting zero return**." Source: MIT report (Challapally et al, 2025).

Generative AI-enhanced Knowledge Management - GAIK project

The primary project goal:
Creation of the **open toolkit** for knowledge-focused GenAI solution development and implementation

Target audience:
Small and Medium-sized companies (SMEs)

University-Industry cooperation

Project consortium:
3 universities and 4 companies (Luvata, Lotus Demolition, QAdental, Azets).

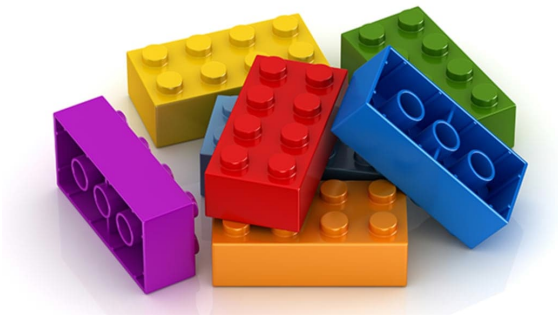
Timeline: 01.02.2025 – 31.01.2027

Co-funded
by the European Union (European Regional Development Fund), universities and companies

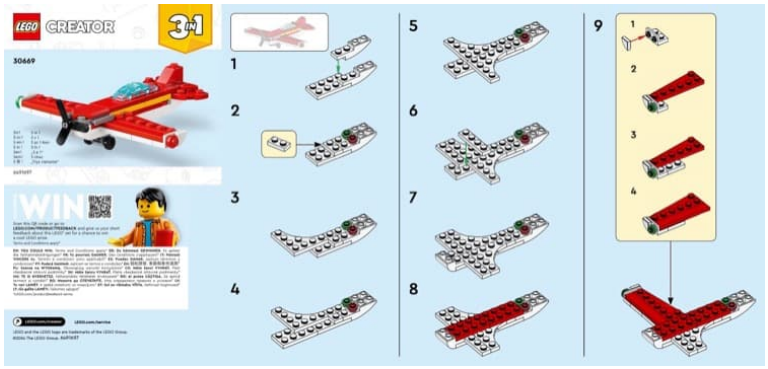
Haaga-Helia
UNIVERSITY OF HELSINKI
Tampere University

Problem solving approach

Building blocks



Guidelines



Real results

Benefits:
Quicker implementation, Less resources, Higher solution quality, Less risks

Knowledge

Tacit knowledge

Know-how Judgements

Experience Insights

Documented knowledge

Texts Diagrams Videos

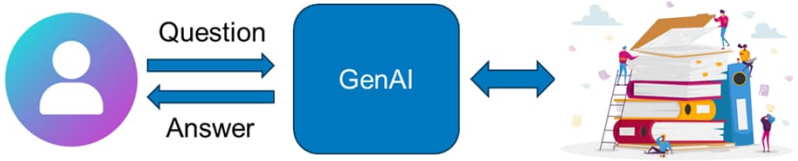
Voice recordings Tables

Scope of the GAIK: generic use cases

Knowledge process	Generic use cases
Knowledge capture Extraction of needed information	**A. Incident reporting** in industry (e.g. for equipment, buildings) B. Creating construction site **diaries** C. Creation of **transcripts** and closed captions in various languages for instructional videos and podcasts D. …
Knowledge access Intelligent access to organizational knowledge	**A. Customer assistant** for complex products and services B. Semantic audio and video **search** for the medical instructions **C. Learning assistant**
Knowledge synthesis Automatic generation of business reports and documents	**A. Sales proposal** generation **B. Report** preparation C. …

The scope of GAIK: knowledge processes

Knowledge processes as the basis

Knowledge capture	**Extract needed information from** business documents, videos, voice recordings, emails, and meeting recordings	
Knowledge access	**Intelligent access to organizational knowledge** (document repositories, databases, wikis, CRMs)	
Knowledge synthesis	**Automatic generation of** business reports, sales proposals, marketing materials, project proposals	

The GAIK project value aimed for you

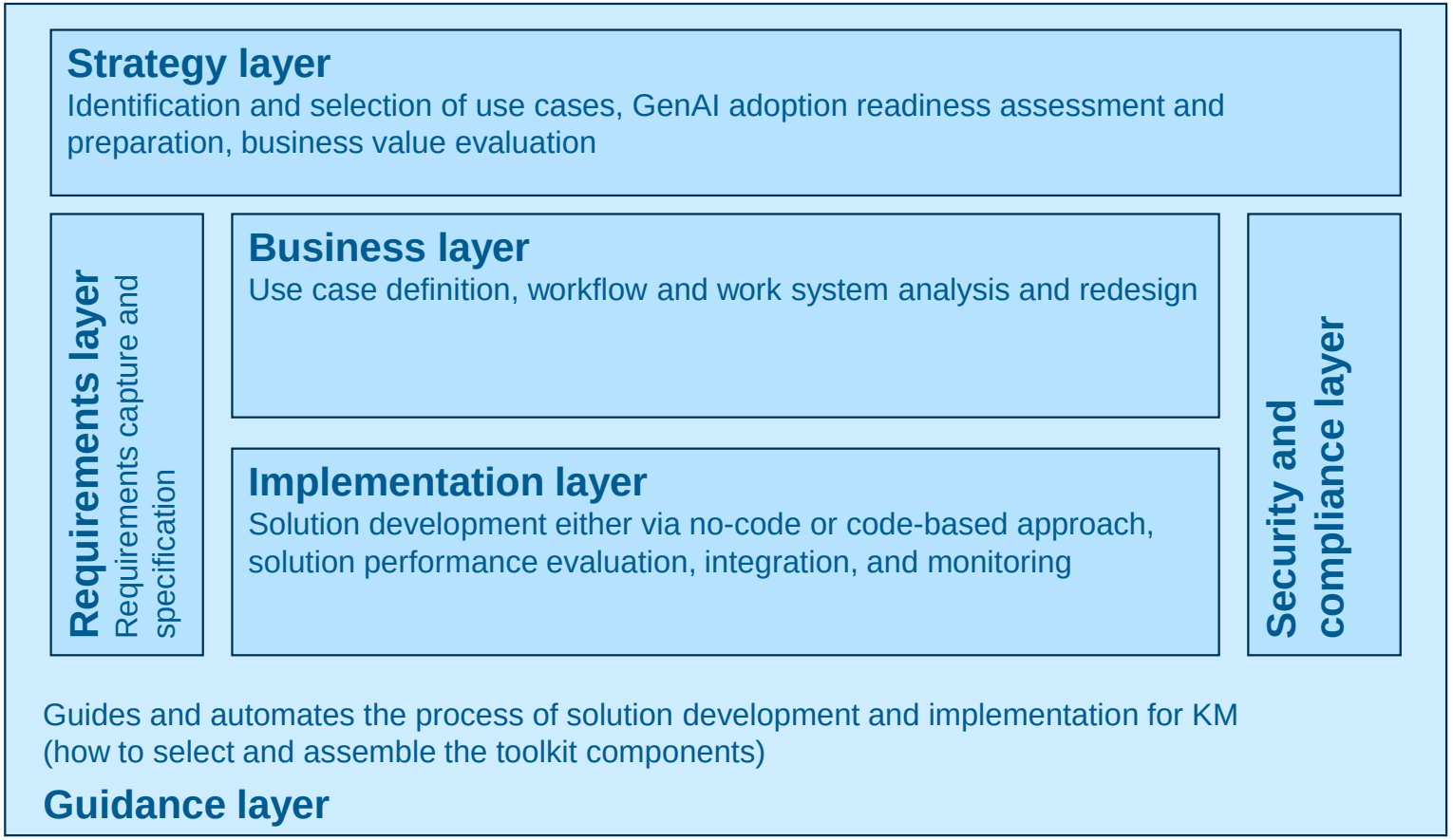
Similar AI adoption steps as the companies involved in our GAIK project

- **Explore use of AI**
- **Add assistive & bisnes-integrated AI automation**
- **Get onto the road to wide-spread AI-adoption**

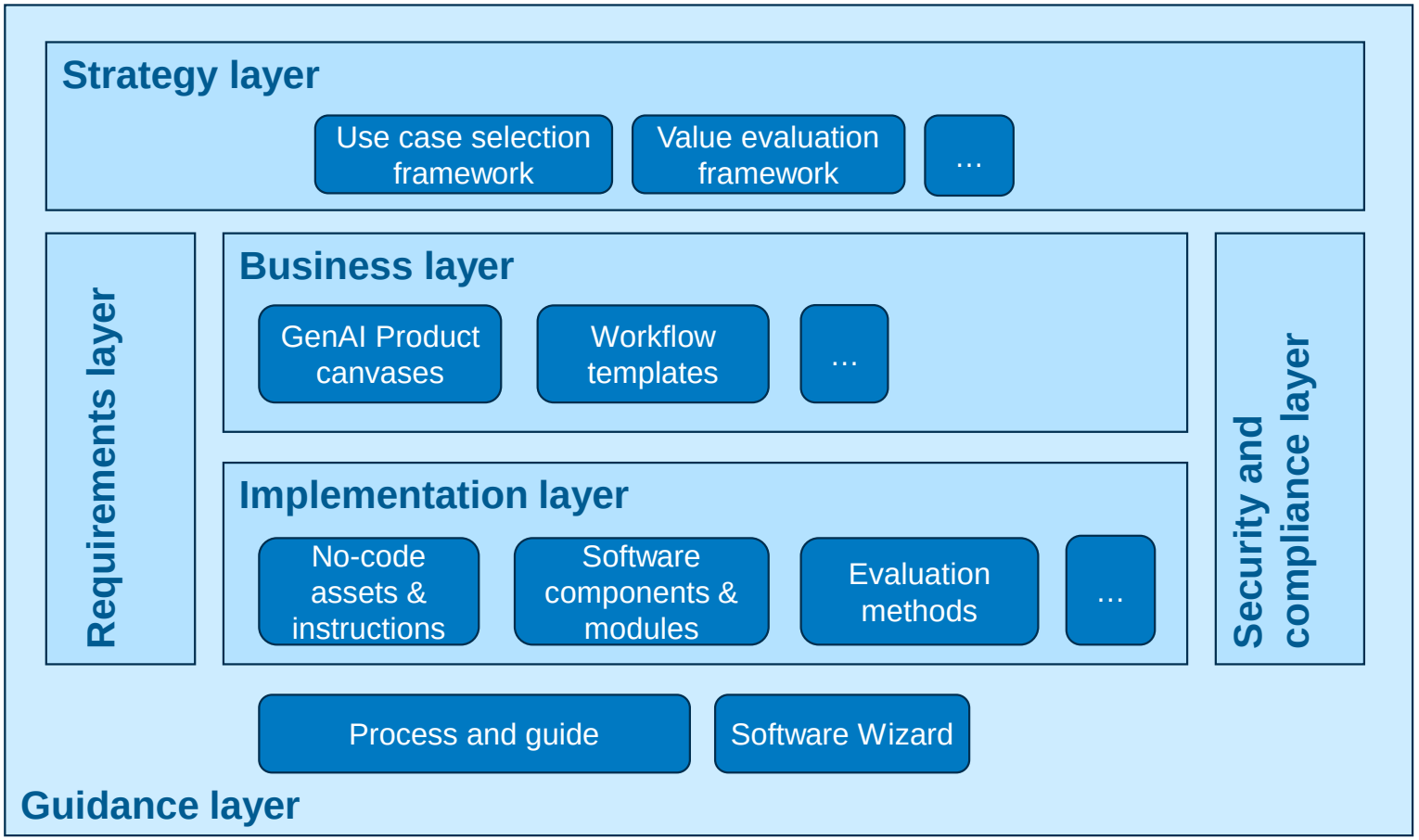
We are compiling GAIK research results and developed assets into GAIK Toolkit

- **Free**
- **Open**
- **Helps you save time & money**
- **Support available**
- **Ecosystem being built**

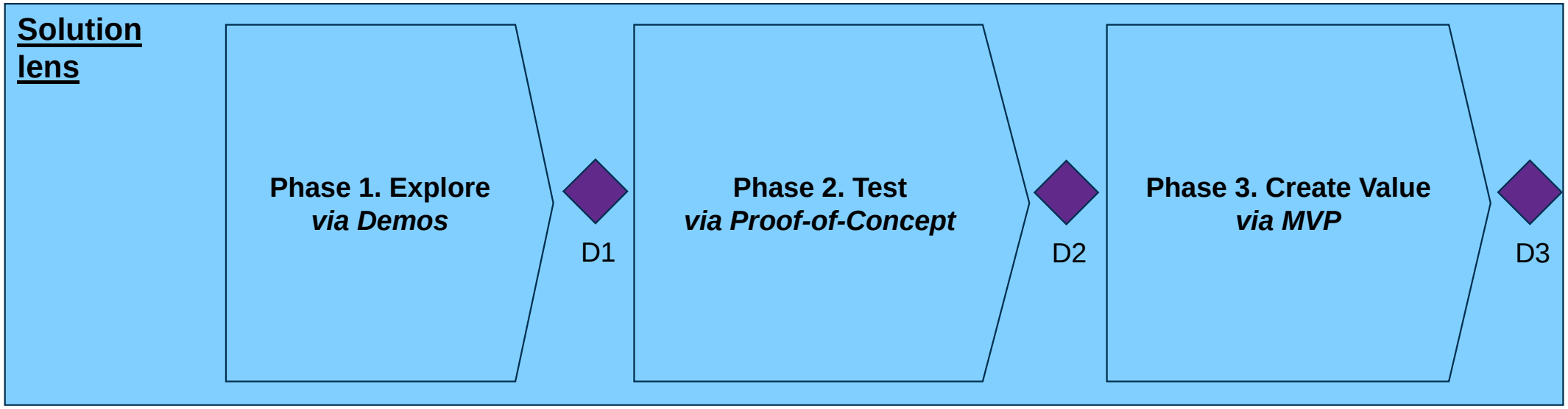
Layers of the GAIK toolkit



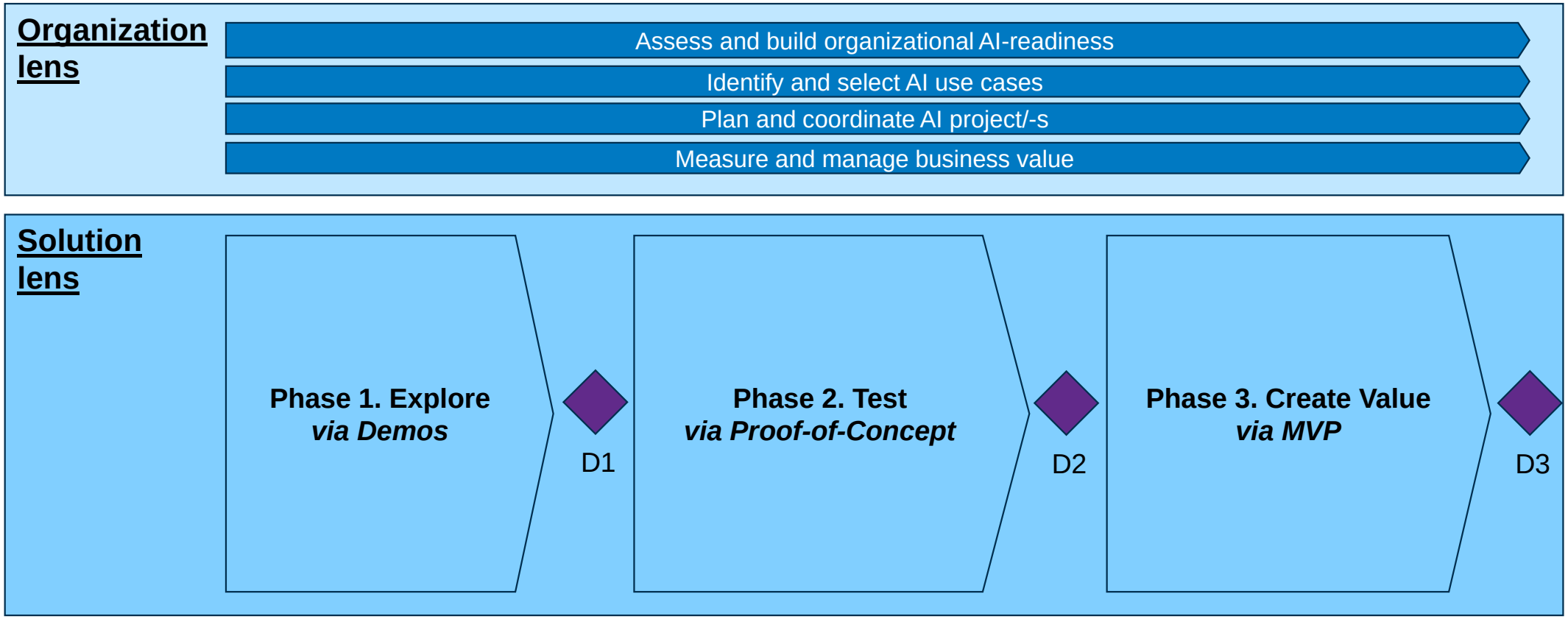
Components of the GAIK toolkit (subset)



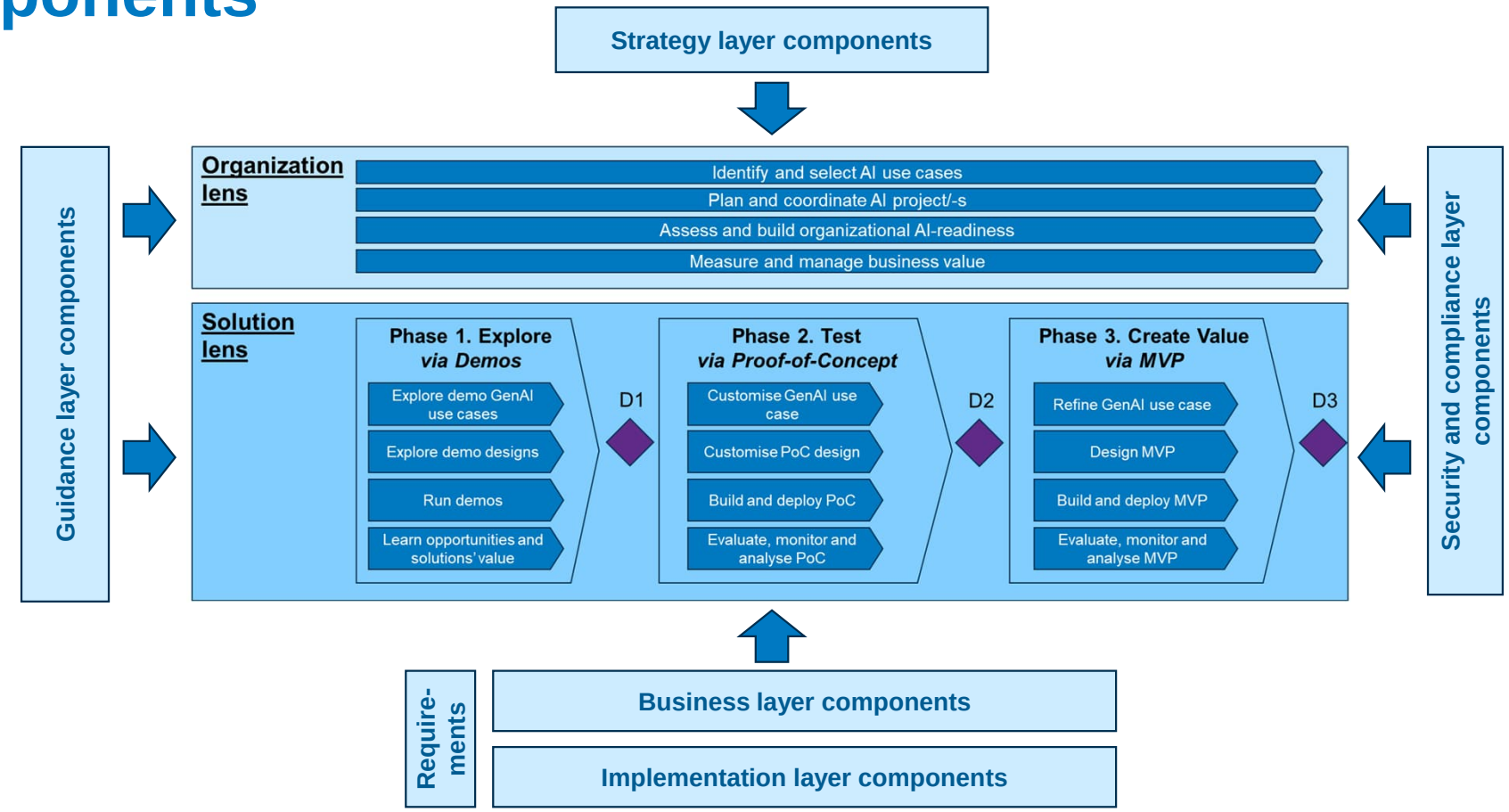
GenAI implementation processes, Solution lens



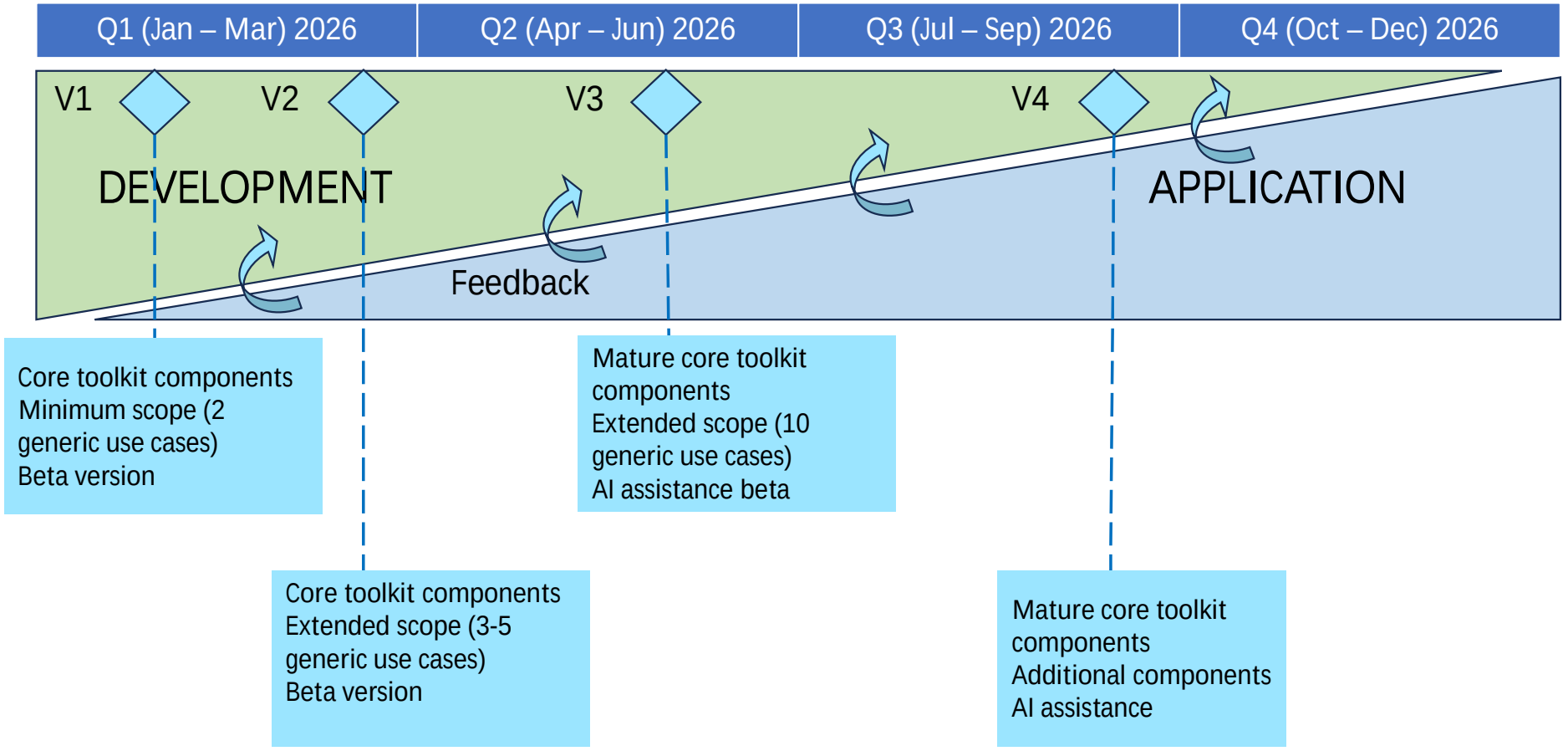
GenAI implementation processes, Organization lens



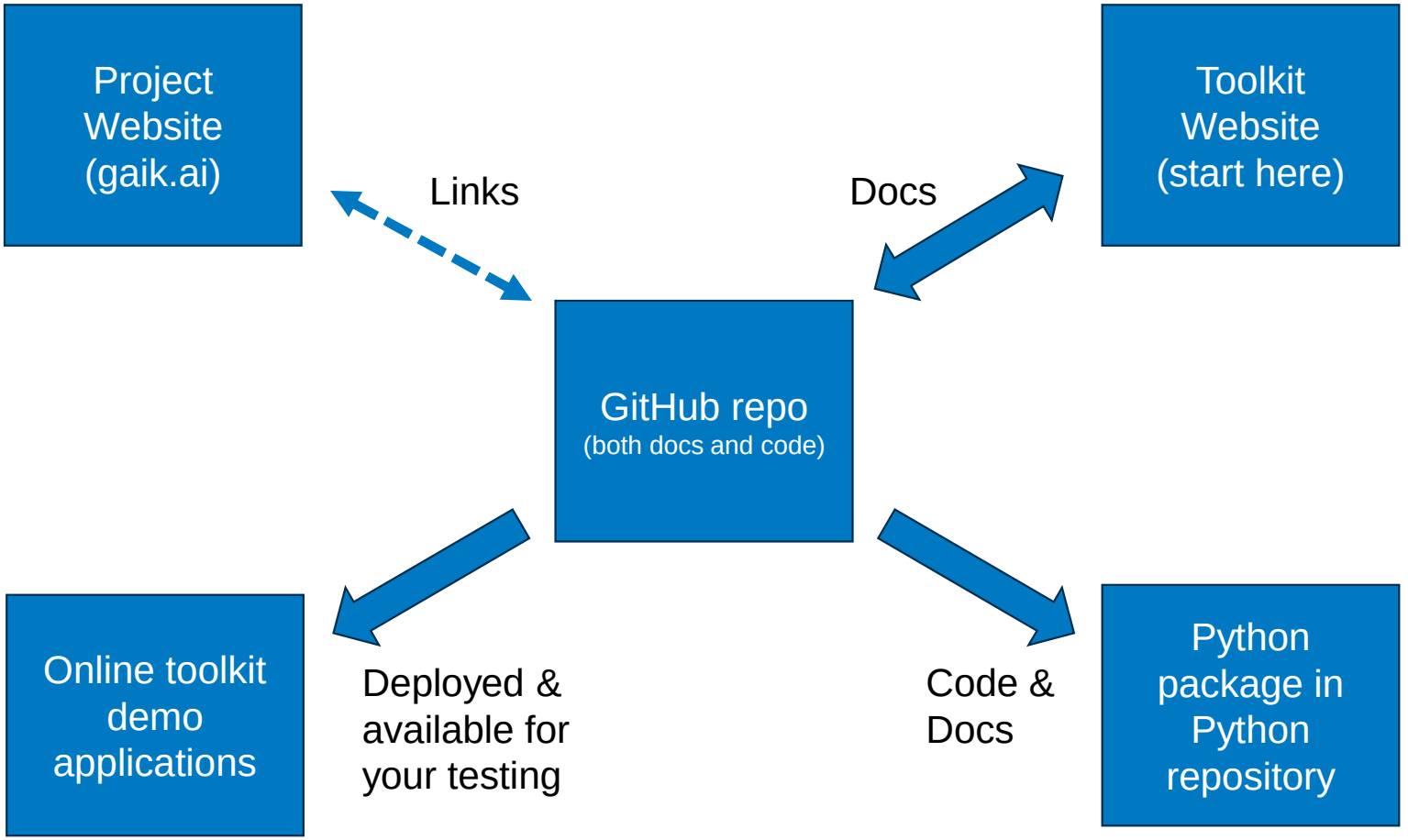
Linking GenAI implementation processes with the toolkit components



Toolkit development and application roadmap



Access to the GAIK toolkit



Offer for companies (free), GAIK toolkit piloting

GAIK assistance request form

Strategy level support is needed

Workshop 1

GenAI use case selection and adoption planning

Joint session

Implementation support is needed

Workshop 1

Toolkit application guidance

PoC co-development, evaluation and improvement

- Done by companies
- Expert support from the GAIK team

Workshop 2

GenAI solution integration and implementation planning

Joint session

Thank you!

Questions?

Contacts:

Dmitry.Kudryavtsev@haaga-helia.fi

Jukka.Remes@haaga-helia.fi

Seuraavana
GAIK-HANKKEEN TUTKIMUSTULOKSIA
Veera Saastamoinen, Tampereen yliopisto

Co-funded by the European Union

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UNIVERSITY OF HELSINKI

Tampere University

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Onnistunut GenAI:n käyttöönotto tiedolla johtamisen näkökulmasta

Veera Saastamoinen

Tutkimusapulainen, Tietojohtamisen yksikkö

Tampereen yliopisto

Miksi tutkin?

- GenAI muuttaa tiedolla johtamista
- Yrityksiltä puuttuu selkeä strategia
- Käyttöönoton kokeilut jäävät irrallisiksi ja riskit huomioimatta
- Tutkimus tarjoaa työkalun hallittuun käyttöönottoon

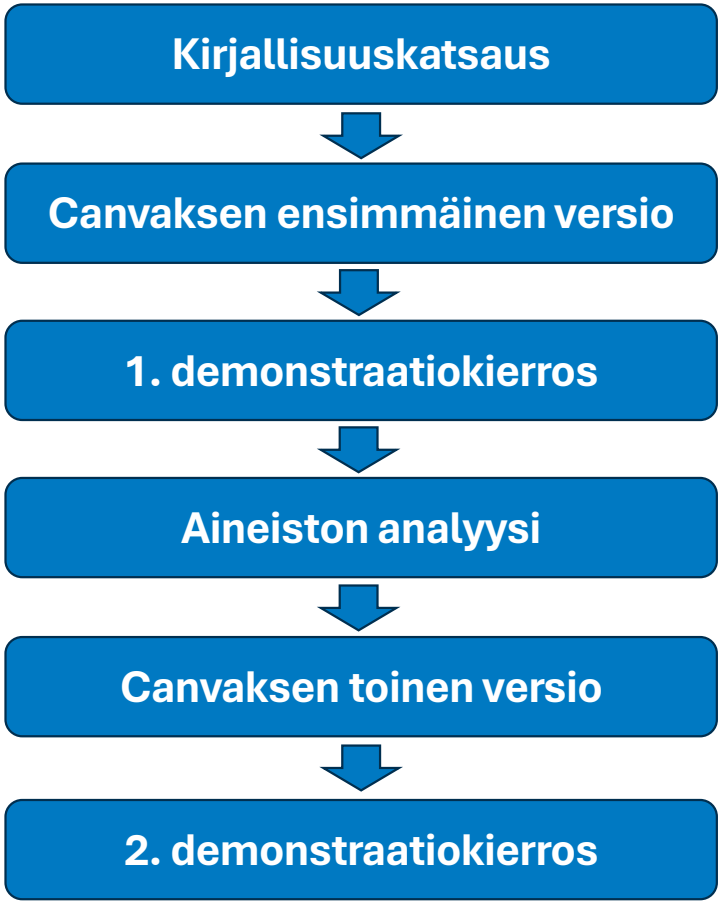
Mitä tutkin?

- GenAI-käyttöönotto tiedolla johtamisen näkökulmasta
- Mitkä tekijät mahdollistavat käyttöönoton onnistumisen
- Canvas-työkalu yritysten avuksi

Canvas käyttöönoton tukena

- Työkalu GenAI-käyttöönoton jäsentämiseen
- Suunniteltu pk-yrityksille
- Jäsentää käyttöönoton vaiheet ja valmistelut
- Varmistaa, että GenAI kytkeytyy osaksi toimintaa ja tavoitteita

Tutkimus


Kirjallisuuskatsaus
Canvaksen ensimmäinen versio
1. demonstraatiokierros
Aineiston analyysi
Canvaksen toinen versio
2. demonstraatiokierros

Canvas: GenAI Adoption in Knowledge Management		
What are the organization's goals for GenAI?		
Pre-implementation	**Implementation**	**Post-implementation**
Technology	**Technology**	**Technology**
• Data quality and quantity • Information/data security		
• Need to understand AI and charasteristics of AI • Management of data • Suitability of technology	• IT infrastructure • Data to be used • Need for dedicated software and hardware	• Metrics
People	**People**	**People** • Training needs to address real life challenges
• Ensuring the creation and transfer of knowledge between people • Ensuring employee learning		
• Change management • Training • Success story	• Number of trained employees • Top management support • Competence level of managers	
Organizational	**Organizational**	**Organizational**
• Financial resources		
• Resources • Maturity • Risk and challenge assessment • AI-strategy • Plan and metrics for monitoring succes	• Ethics issues • Metrics	• AI evolution/lifecycle of AI • Metrics
Organizational acceptance	**Organizational acceptance**	**Organizational acceptance**
• Continuous evaluation of business performance		
• Minimum viable product or pilot project • AI-teams	• AI training and cooperation with stakeholders	• Gathering feedback with feedback loops

Canvas: GenAI Adoption in Knowledge Management		
What are the organization's goals for GenAI?		
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Technology	**Technology**	**Technology**
• Data quality and quantity • Information/data security		
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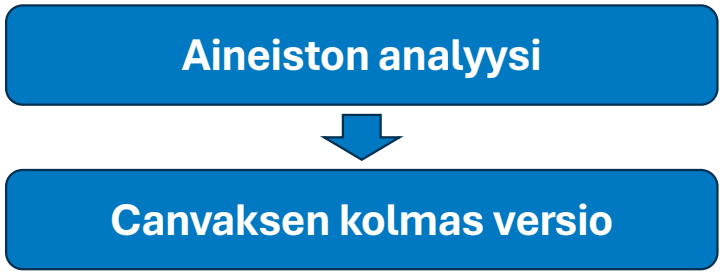
Tutkimus jatkuu



Kiitos!

Veera Saastamoinen

veera.a.saastamoinen@tuni.fi

GAIK Toolkit Examples

Janne Kauttonen

Haaga-Helia University of Applied Sciences

Co-funded by the European Union

Haaga-Helia

UNIVERSITY OF HELSINKI

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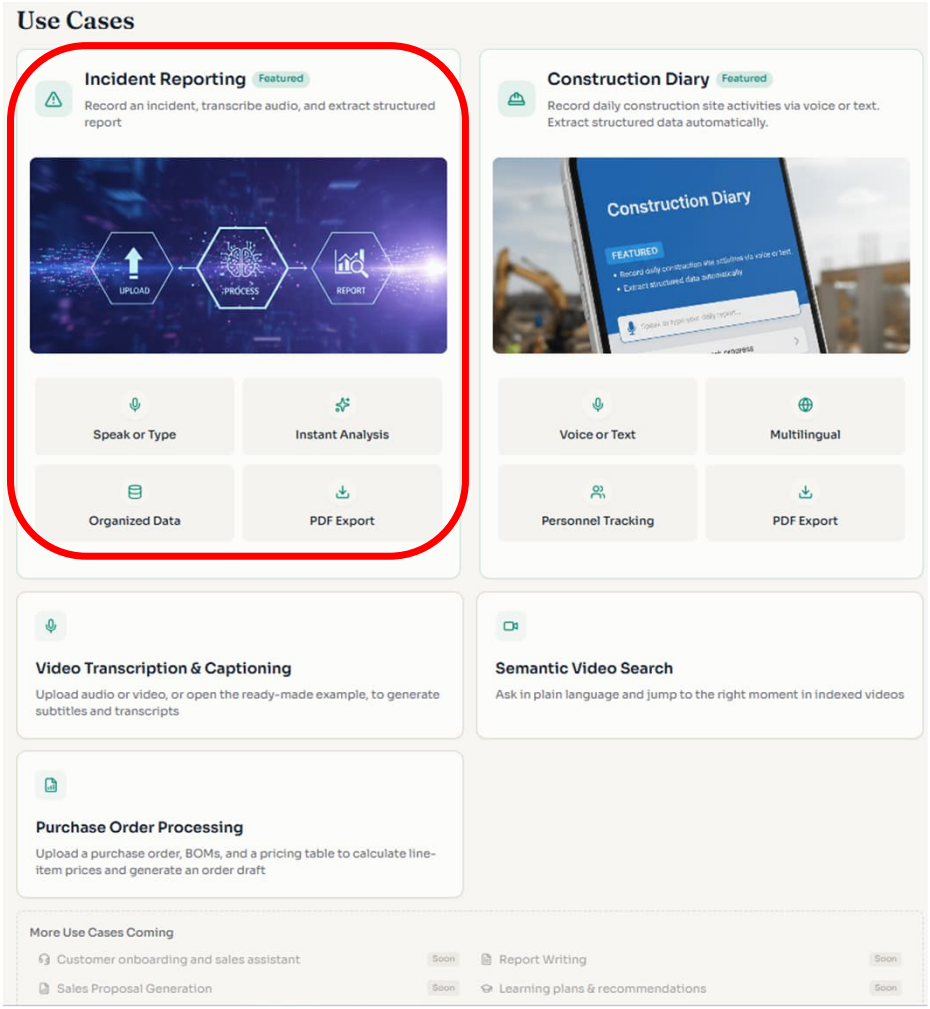


Example: Incident reporting

- Use voice to create incident reports
- Avoid laborious manual reporting (writing)

Demo link (**registration needed**):
https://gaik-demo.2.rahtiapp.fi/

Demo recording:
https://www.youtube.com/watch?v=iJdfjEq1DbE

Incident reporting GAIK components

Business layer

- **GenAI product canvas**
- GenAI product description: Incident reporting use case

Strategic layer

- **Value evaluation framework**
- Value evaluation framework: Incident reporting use case (including metrics)

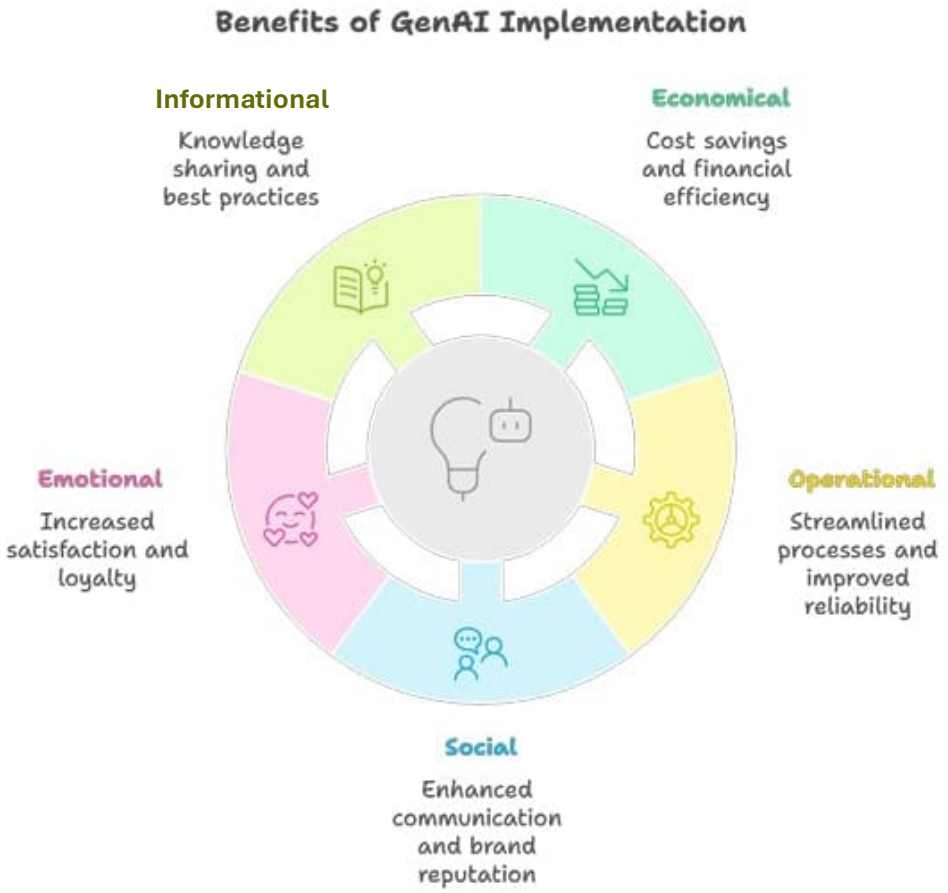
Implementation layer

- Code and no-code versions
- Evaluation methods (quality & performance)

GenAI product description (incident reporting)

Name	Incident reporting assistant
Task	Incident reporting
Knowledge processes	Knowledge Capture + Knowledge synthesis
Business need	Incidents such as broken equipment or water leaks are common and must be reported quickly so they can be resolved.
Solution	The new AI-driven solution will enable employees to report incidents quickly through voice input on their mobile phones from different locations (including outdoors).
Users	Everyone
Input	1. Voice input (Verbal description of an incident) 2. Images(photos), maybe with annotations 3. Template/-s for incident reports (list/-s of questions) 4. Reference data (list of equipment, list of facilities, list of incident types and severity levels)
Output	Incident report (filled in template)
Expected benefits and value	1. Faster Response Time 2. Increased Accuracy and Consistency 3. Improved Safety 4. Better Compliance and Documentation

Value evaluation framework - Value dimensions



Informational value – data-driven prevention decisions

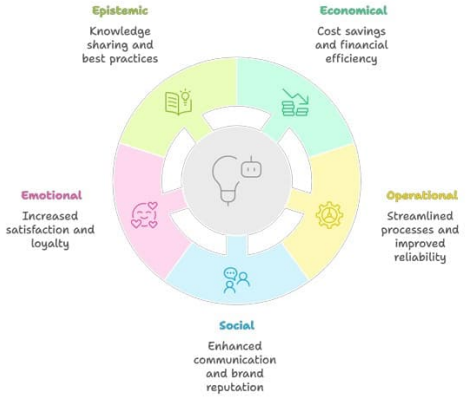
Economic value – reduced operation costs

Operational value – faster response times

Social value – better collaboration

Emotional value – employees feel heard

Value evaluation framework - Metrics matrix



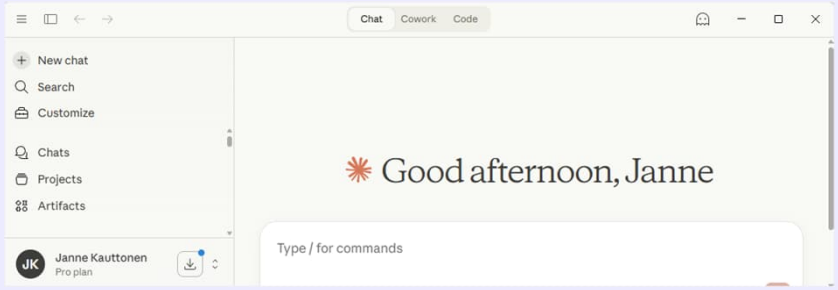
Knowledge Process / Value Dimension	Capture	Access / Retrieval	Synthesis
Informational Value	New knowledge documented	Time to relevant answer	Diversity of sources in decisions
Economic Value	Automated documentation rate	Time saved (€)	ROI of AI-supported decisions
Operational Value	Process learning captured	Reduction of rework	Reduced lead times
Social Value	Captured tacit knowledge	Transparency of sources	Cross-unit shared insights
Emotional Value	Recognition of individual expertise	Reduced frustration	Trust in AI-generated synthesis

Implementation - No-Code or Code

No-code

- Claude Skill + MCP server
- One-click guided setup

Use Claude Desktop as GUI



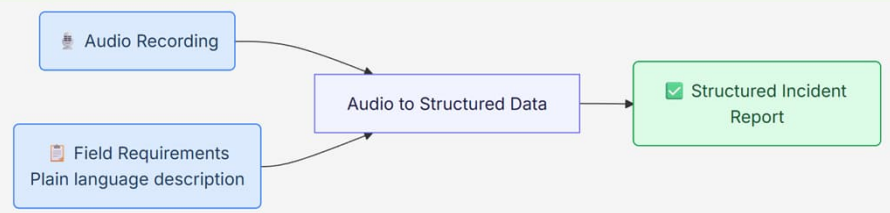
Code

Pick two Python components:

- **Transcriber** (audio → text)
- **Extractor** (text → structured data)

OR module **AudioToStructuredData**

Use as part of your app



Evaluation methods - Strategies

Objective Evaluation

- Determines the output against hard metrics (e.g., accuracy)
- Compares system output with a correct reference
- Allows fair comparison
- Fast, consistent, and repeatable

Subjective Evaluation

- Checks how good the output appears to a **human**
- Humans review for clarity, correctness, and readability
- Ensures the result makes sense and sounds natural

LLMs-as-judge

- Automates subjective evaluation using predefined scoring rubrics
- Scale human-like assessment
- Might introduce biases (e.g., verbosity)

Evaluation methods - Objective Metrics

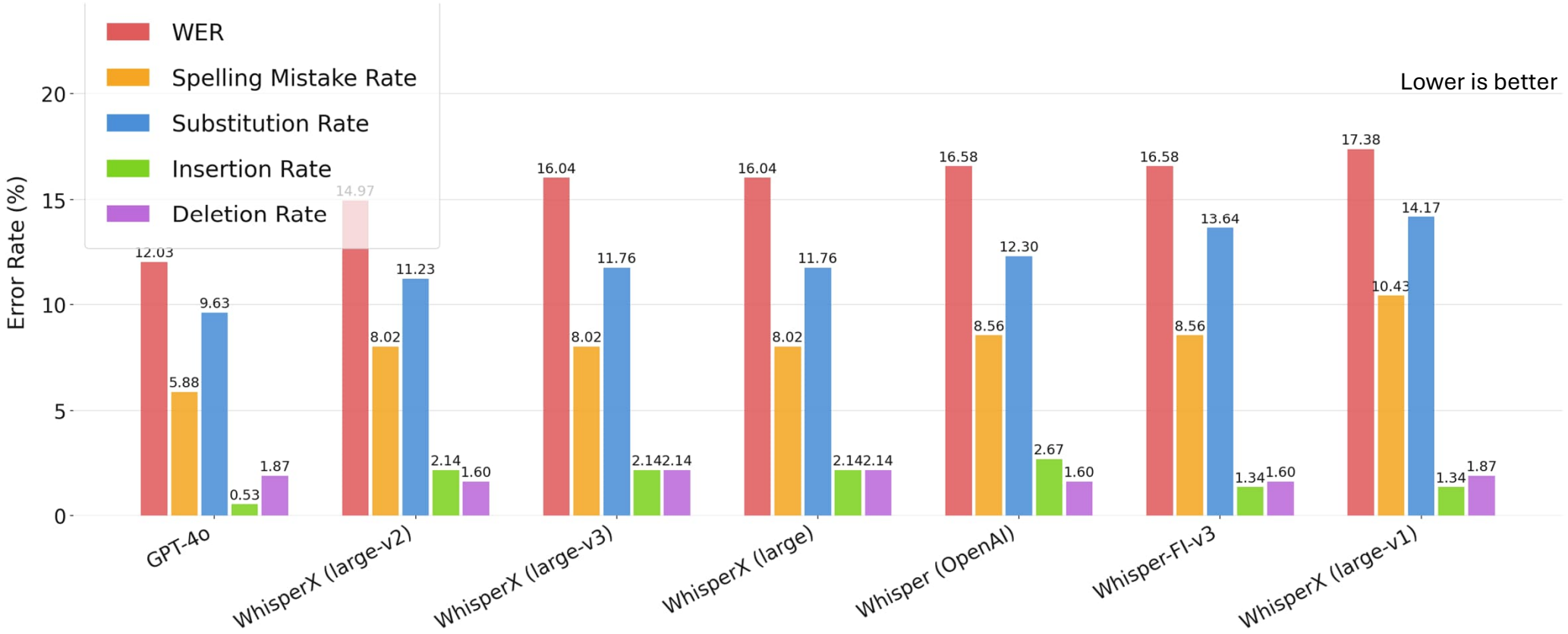
Transcription Evaluation

- **Word Error Rate (WER)** - How close the transcription is to the original audio
- **Missing Words (Deleted Rate):** Words that were skipped or left out
- **Extra Words (Added Rate):** Words added that weren't in the original
- **Substitution Error:** How often the model replaced a correct word with a wrong word.
- **Spelling Error:** Misspelled words

Information Extraction Evaluation

- **Exact Match Rate:** Certain fields (e.g., Name and Date) must match exactly.
- **Semantic Match Rate:** Certain fields (e.g., Event Description) should match approximately 70% in meaning.

Evaluation methods - Transcription evaluation

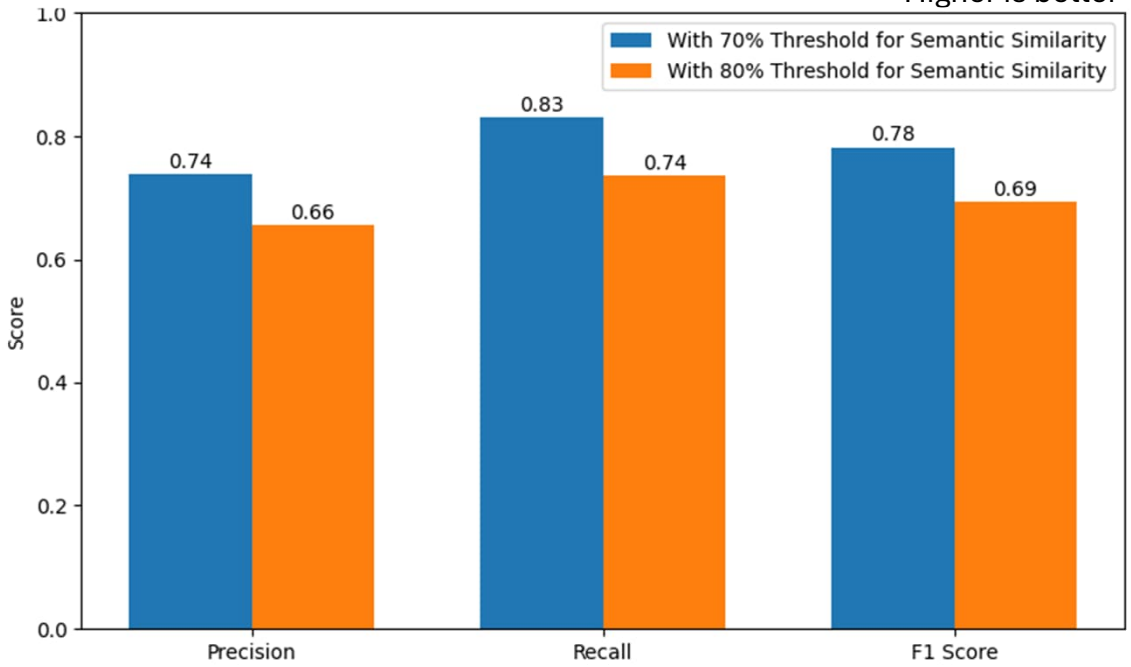


Evaluation methods - Information extraction evaluation

Manual inspection showed that a model sometimes mixes semantics of the fields, e.g.

- adds location into 'mitä tapahtui' field
- mixes ‘lähella piti' and 'toteutetut toimenpiteet'

Higher is better



Other GAIK use-cases (upcoming)

Complex report writing

Convert large quantities of documents, notes and audio recordings into 50+ page reports

Purchase order processing

Automate purchase order intake, validation and structured extraction for downstream ERP and approval workflows

Construction Site Diary Creation

Automated daily site documentation from voice notes and field observations

Video Transcription & Subtitles

Automated transcription and multilingual captioning for educational video content

Keep an eye on
https://gaik-project.github.io/gaik-toolkit

Why to use GAIK GenAI Toolkit?

- Easy-to-use, tested and re-usable components
- Focus on practical and common business cases
- Specialization in Finnish language
- Deployment support from GAIK team

Offer for companies (free), GAIK toolkit piloting

GAIK assistance request form

Strategy level support is needed

Workshop 1

GenAI use case selection and adoption planning

Joint session

Implementation support is needed

Workshop 1

Toolkit application guidance

PoC co-development, evaluation and improvement

- Done by companies
- Expert support from the GAIK team

Workshop 2

GenAI solution integration and implementation planning

Joint session

Thank you!

Questions?

Contacts:

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Seuraavana

KAHVITAUKO & TAPAA TUTKIJA

Tampere: Tampereen yliopisto GPTLab, AI Champion ja GAIK; Business Tampere

Pori: Tampereen yliopisto GPTLab ja GAIK; Satakunnan Yrittäjät

Co-funded by the European Union

In collaboration with

Oppeja GAIK-hankkeesta: case-organisaatioiden näkökulmat

Nikke Syväkuru
Luvata

Jani Korpela
QAdental

Tekoälyn pimeä puoli

Henri Pirkkalainen
Tampereen yliopisto

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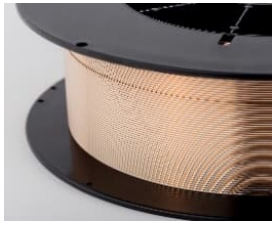
GEN AI AND GAIK – LUVATA'S FINDINGS









Syväkuru Nikke
17.3.2026

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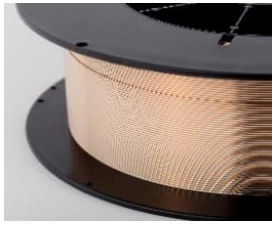

Syväkuru Nikke

17.3.2026

LUVATA
Partnerships with a Promise

Agenda

- Luvata
- Culture and mindset in the age of GenAI
- Low investment – high return?
- GAIK use cases

Luvata Group

- One of the leading high-quality Copper manufacturers globally
- Part of Mitsubishi Materials Corporation
- 1500 employees in 10 locations across 6 countries
- Headquarters in Pori, Finland
- One of the organization partners in GAIK consortium

Culture and mindset in the age of GenAI

- Automation through AI

- Hype, risks and opportunities

- ~~Replace~~ Empower people

- Culture change through the organization

Low investment – high return?

- Getting started with MS Copilot + employee training
  - o Familiar applications with superpower like capabilities
- From 20 to 200 active users <1 year
- No integration costs
- Platform for AI tools

GAIK use cases

- Sales order assistant
  - o Compile ready sales orders from customer documents and pricing tables
  - o Reduce human error and manual work
  - o Scalability
  - o Fast and easily measured benefits

GAIK use cases

- Incident reporting app
  - o Easy speech-to-text tool to log safety observations in industrial environment
  - o Support also for text input
- Goal to make logging as easy as possible to ensure a safe working environment

Conclusion

GenAI can bring success by:

- making work faster
- improving overall quality
- reducing burden of the personnel

Results are often realized fast if company culture supports the adoption

LUVATA
Partnerships with a Promise

Thank you!

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Seuraavana

OPPEJA GAIK-HANKKEESTA

Jani Korpela, QAdental

Co-funded by the European Union

Haaga-Helia

UNIVERSITY OF HELSINKI

Tampere University

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FAIR Finnish AI Region | EDIH

“Innovation is not about doing more with more, but it is about doing more with less”

Vijay Govindarajan

QA dental

QA dental

QA dental

QA dental

QA dental


TRANSLATION
• Tooth Extraction
Hampann poisto
Root Canal Treatment
Juurihoito

QA dental

QA dental


Dental Video Library
Anesthesia
FILTER:
FILTER:
1000+
VIDEOS
FOUND 2,210 RESULTS FOR: ANESTHESIA
Relevant video sections found across all videos.
Extraction
Procedure Tutorial
01:09
PLAY
Dental Implant Guide
00:16
PLAY
Root Canal Treatment Video
01:43
PLAY
QA
dental

Seuraavana

TEKOÄLYN PIMEÄ PUOLI

Henri Pirkkalainen, Tampereen yliopisto

Co-funded by the European Union

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Tekoälyn varjopuolia

Professori Henri Pirkkalainen,
Tietojohtaminen, TAU

GenAI pk-liiketoiminnassa:

hyötyjä ilman harhakuvia,

17.3.2026, Paidia Arena

Tampere University

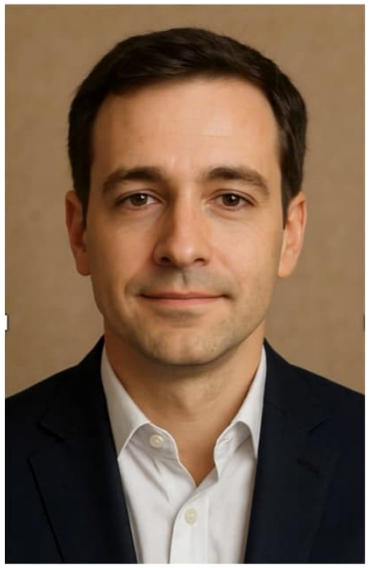
GenAI valuu nopeasti työpaikoille ja *vaikutuksista tiedetään vielä verrattain vähän?*

Tahalliset ja tahattomat negatiiviset vaikutukset?

- ***EVIL-AI ("evil eye") – Kurkistus tahallisiin vaikutuksiin***
- Rahoitus: Jane ja Aatos Erkon Säätiö 2024–2028
- Tekoälyagenttien haitallisten vaikutusten tutkiminen (chatbotit, metaversumi, robotit)
- Yhteistyö professorien Henri Pirkkalainen, Pekka Abrahamsson ja Johanna Virkki-tiimien välillä
- Haittavaikutusten tunnistaminen ja lieventäminen

EVIL-AI tutkimusaiheita: “Hyökkäykset ulkopuolelta”

- Fyysiset robotit, joihin on upotettu LLM-ominaisuuksia. Älykotien riskit
- Tekoälyagenttien “Facebook”: Voivatko AI agentit tehdä toisistaan pahantahtoisia?
- Ihmisen kaltaiset tekoälyagentit: Delegointi, manipulointi, huijaukset



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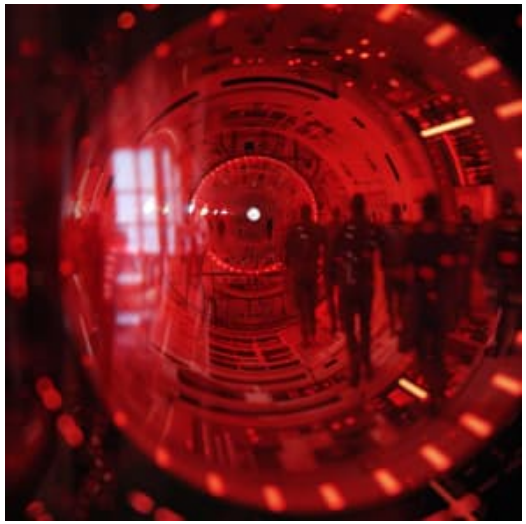
~~*Tahalliset ja*~~
Tahattomat negatiiviset vaikutukset?

Fokus tänään

GenAI on edelleenkin ”blackbox”

- ”Tutkijat onnistuivat sekoittamaan CoPilotin paljastamaan luottamuksellisia yritystietoja”
- Kielimallit eroavat toisistaan ja saattavat olla myös toinen toistaan herkempiä ”suostutteluun”
- ”AI agentti tyhjensi vahingossa yrityksen tietokannan”
- ”RAG-ratkaisu hallusinoi”



Science News *from research organizations*

AI systems are already skilled at deceiving and manipulating humans

Date: May 10, 2024

Source: Cell Press

Summary: Many artificial intelligence (AI) systems have already learned how to deceive humans, even systems that have been trained to be helpful and honest. Researchers describe the risks of deception by AI systems and call for governments to develop strong regulations to address this issue as soon as possible.

Share:

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Miten genAI muuttaa työtä?

Tahattomat negatiiviset vaikutukset?

Anthropicin arvio (mm.) kielimallien vaikutuksista työsektoreihin

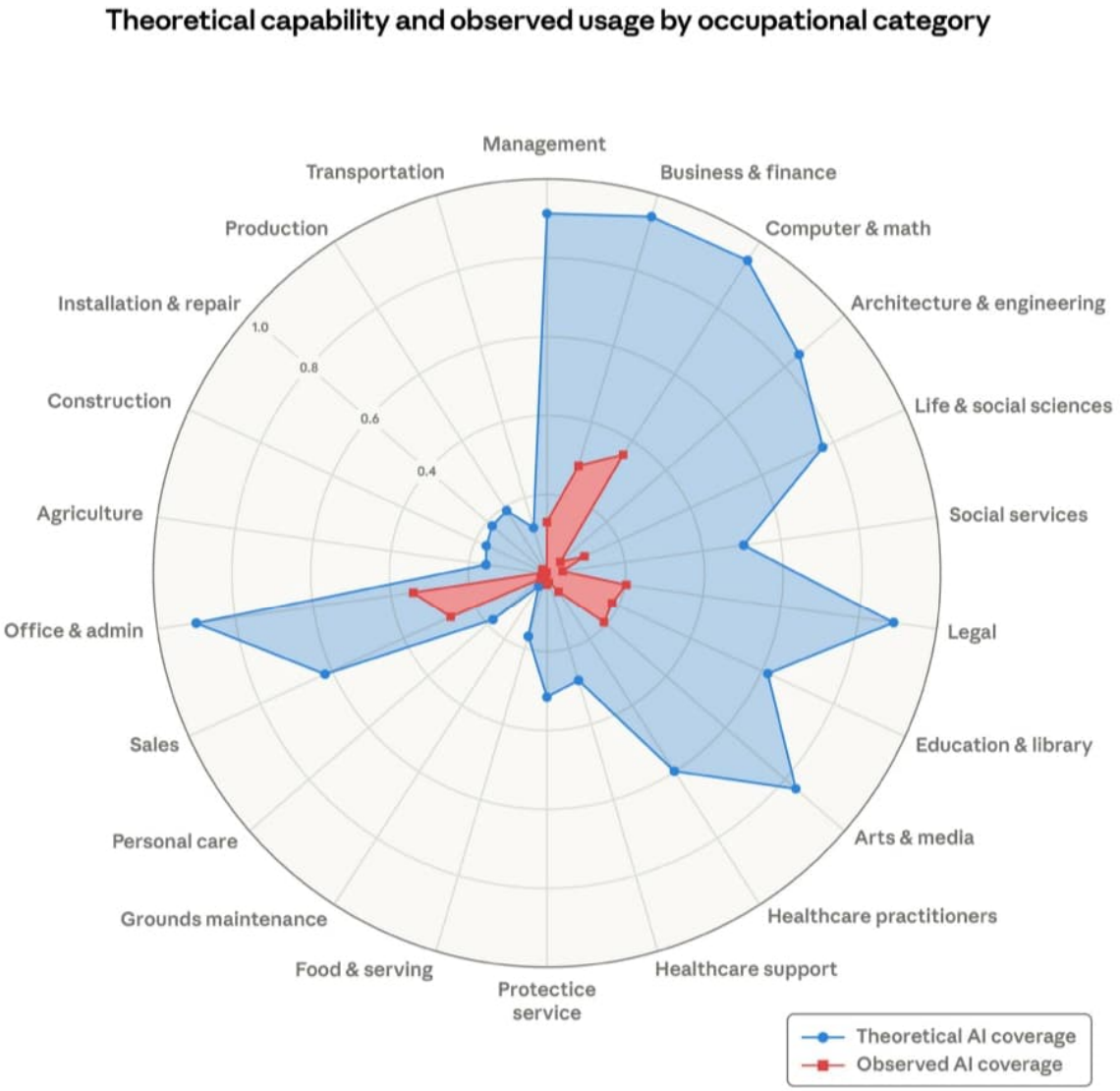

Figure 2: Theoretical capability and observed exposure by occupational category
This figure shows the share of job tasks that LLMs could theoretically perform (blue area) and our own job coverage measure derived from usage data (red area).

https://x.com/andrewcurran_/status/2029655110494929194?s=12

Jos AI agentit hyödyttää erityisesti kokeneita ammattilaisia, miten valjastetaan ammatillinen kehitys?

AI slop to workslop

HARVARD BUSINESS REVIEW

Latest Magazine Topics Podcasts Store Reading Lists Data & Visuals Case

Generative AI

AI-Generated "Workslop" Is Destroying Productivity

by Kate Niederhoffer, Gabriella Rosen Kellerman, Angela Lee, Alex Liebscher, Kristina Rapuano and Jeffrey T. Hancock

September 22, 2025, Updated September 25, 2025

https://hbr.org/2025/09/ai-generated-workslop-is-destroying-productivity

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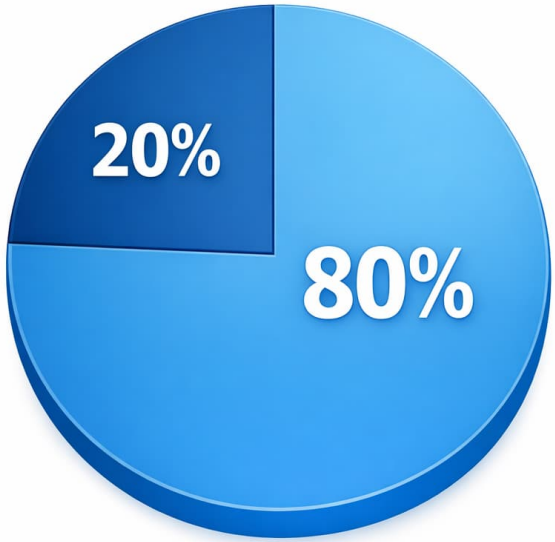
Työntekijän näkökulma?

Tahattomat negatiiviset vaikutukset?

Jos ”aivokapasiteettia vaativan” työn osuus korostuu jatkossa, niin kuinka monen prosenttiyksikön kasvun ihminen pystyy hallitsemaan?



TEKNOSTRESSI

Teknologian käytöstä aiheutuvaa stressiä:
Jatkuva vertailu toisiin, ja epävarmuus työteknologioiden käytössä on tuhoisaa


Burnout
zzz
Vaikutukset työssä ja vapaa-ajalla

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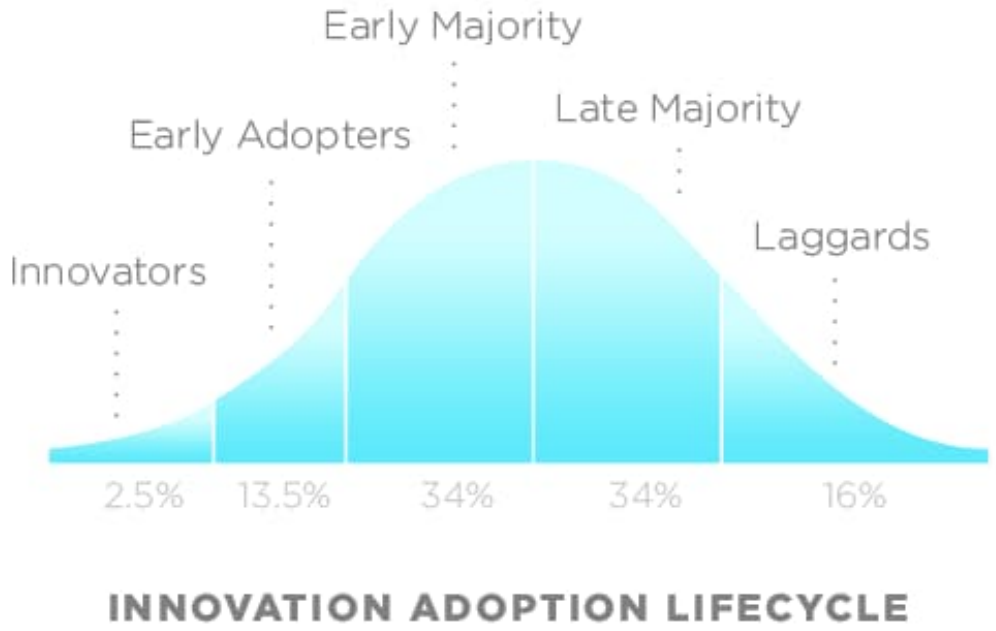
Käyttöönoton näkökulma?

Tahattomat negatiiviset vaikutukset?

Alan oppeja: Kaikki eivät omaksu teknologioita samaan aikaan



Eikä kaikkia teknologioita (myöskään agenttisia tekoälyjärjestelmiä) käytetä massojen toimesta

Affordanssinäkökulma: Käyttömahdollisuuksien ja liiketoiminnan muutoksien esimerkit maailmalta rajallisia. Impulsiiviset päätökset ja parvikäyttäytyminen

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Tahattomien negatiivisten vaikutusten mitigointi?

Vastuu mitigoinnissa ei voi olla genAI:n kohdalla niin työntekijävetoista / yksilökeskeistä, kuin aiempien (hitaammin käytäntöön valuvien) teknologioiden kanssa

Kirjoituskoneista näppäimistöihin-analogia

Työkalut, jotka ovat jokaisen työntekijän työkalupakissa

KIITOS! Kysymyksiä?

´”Defeat the dark side you must”

Kiitos!

Lisätietoa GAIK-hankkeesta

Seuraa GAIK-hanketta LinkedInissä

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