



GAIK Toolkit Overview

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In collaboration with



The value aimed for you

Similar AI adoption steps as OP Pohjola and 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**

Toolkit

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

Project motivation

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

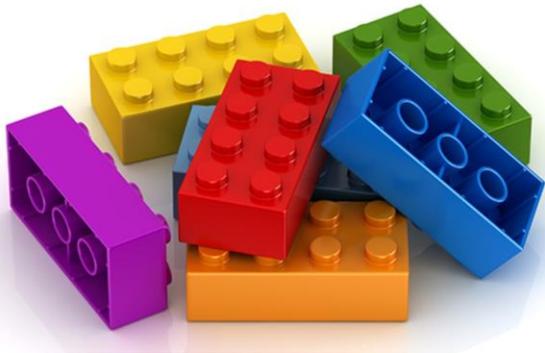
- **Example experiments:** consultants using AI were significantly more productive – they **completed 12.2% more tasks on average**, and completed tasks **25.1% more quickly** (Dell'Acqua, 2023)
- **Example cases from practice:** Customer-support agents at a large firm selling business-process software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

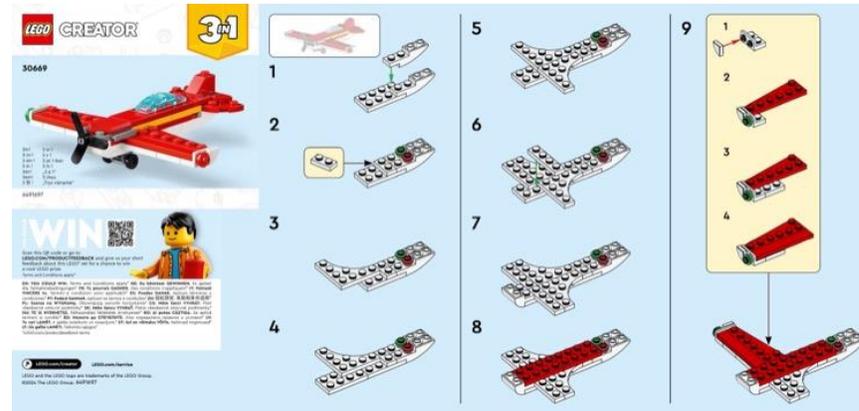
- “**only 26% of companies** have advanced beyond the proof-of-concept stage to generate value” Source: BCG’s report (de Bellefonds et al, 2024).
- “Despite \$30–40 billion in enterprise investment into GenAI, **95% of organizations are getting zero return.**” Source: MIT report (Challapally et al, 2025).

Problem solving approach

Building blocks



Guidelines



Real results



Benefits:

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



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Generative AI-enhanced Knowledge Management (GAIK) project – the implementation of this approach

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).

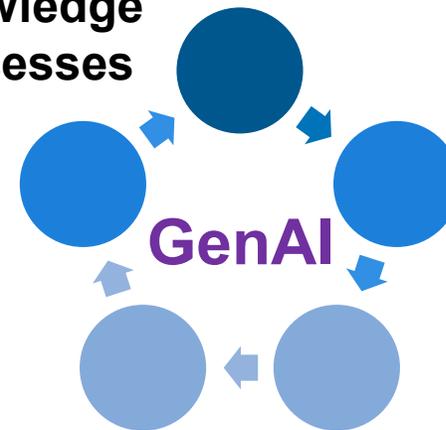
And we are extending cooperation with companies and international partners

Timeline: 01.02.2025 – 31.01.2027

Methodology: (Action) Design Science Research



Knowledge processes



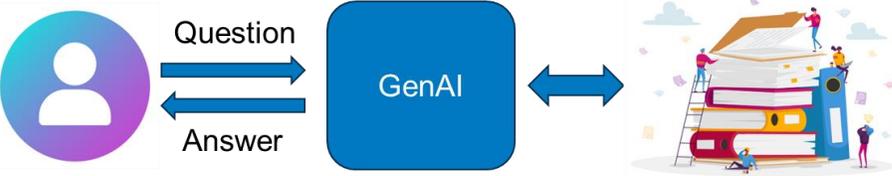
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Scope of the GAIK toolkit: knowledge processes

Knowledge processes as a basis for organising the GenAI toolkit

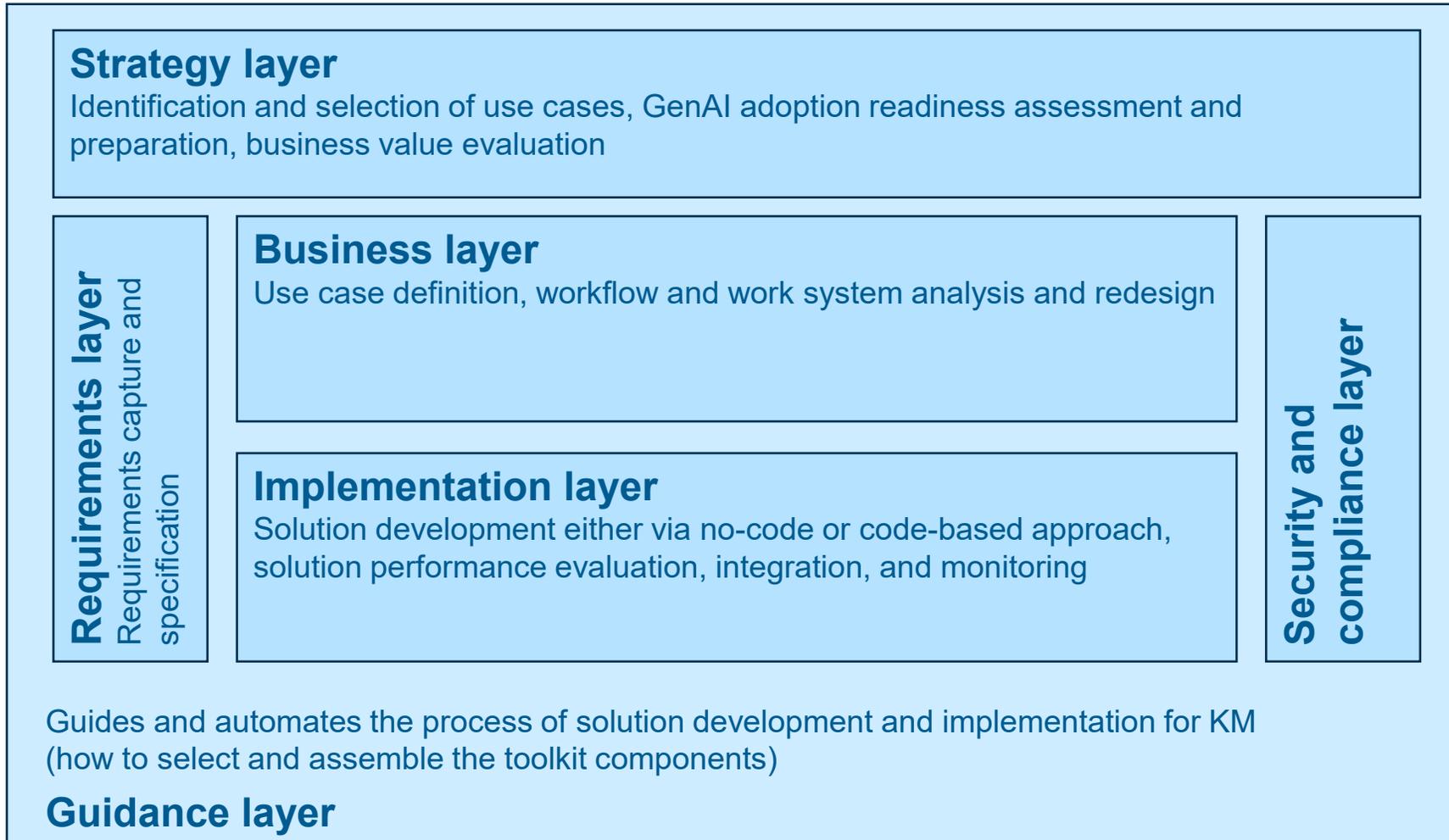
Knowledge capture	Extract needed information from business documents, videos, voice recordings, emails, and meeting recordings	
Knowledge access	Intelligent access to organizational knowledge (document repositories, databases, wikis, CRMs)	
Knowledge synthesis	Automatic generation of business reports,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

Scope of the GAIK toolkit: generic use cases

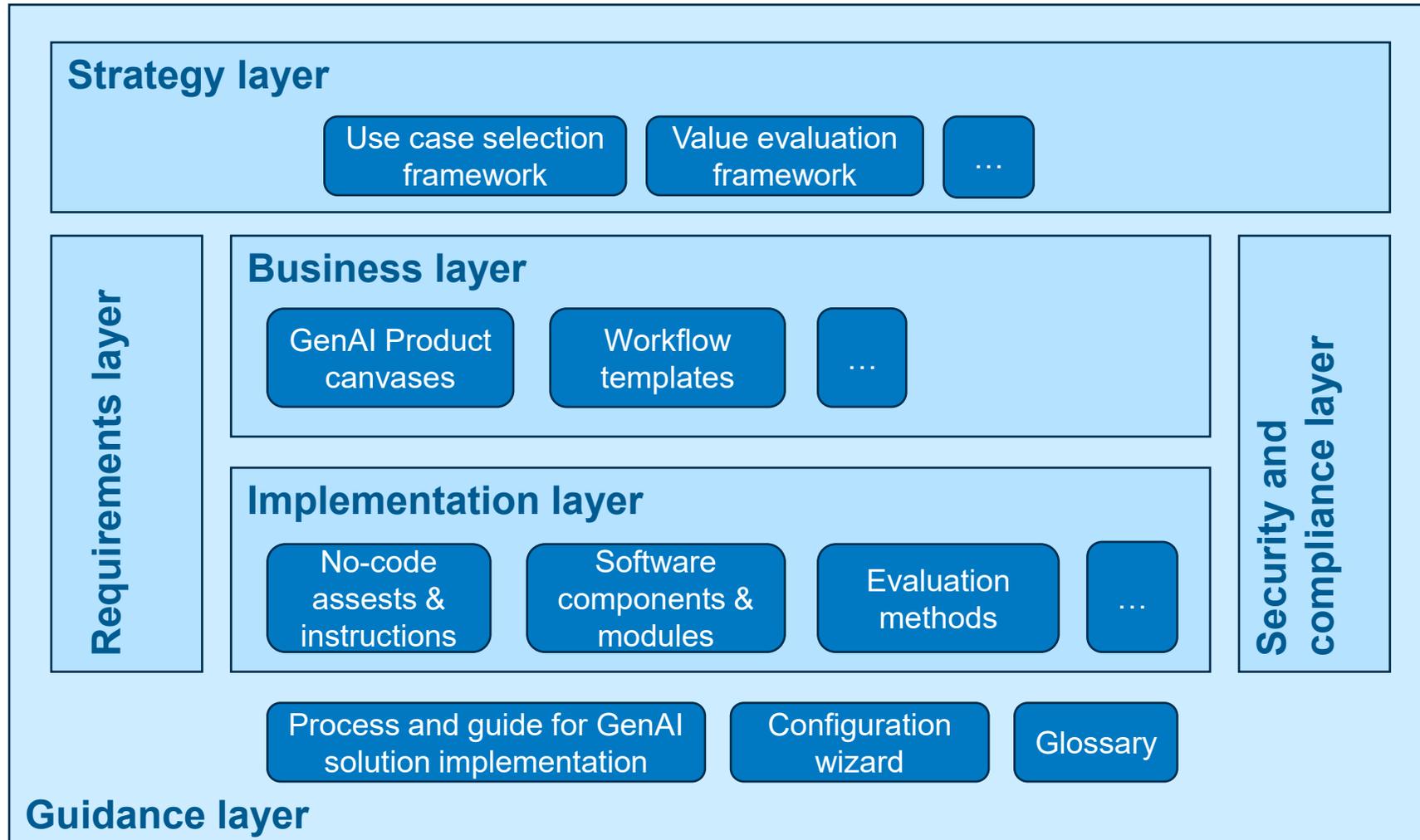
Knowledge process	Generic use cases
Knowledge capture Extraction of needed information from business documents/notes, voice recordings, videos, emails	A. Incident reporting in industry (e.g. for equipment, buildings) B. Creating construction site diaries C. Creation of transcripts and closed captions 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. ...



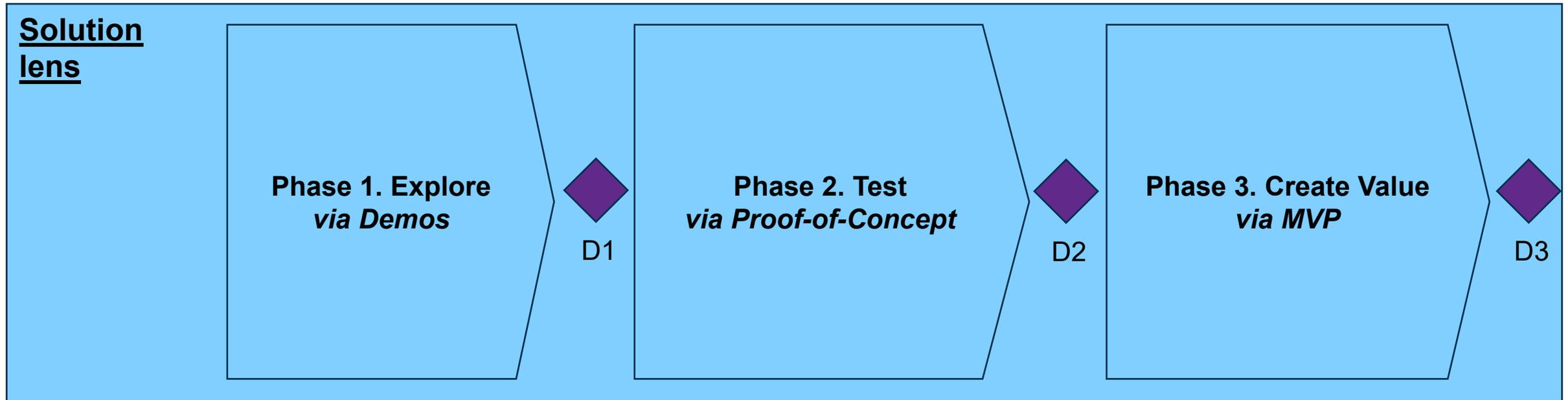
Layers of the GAIK toolkit



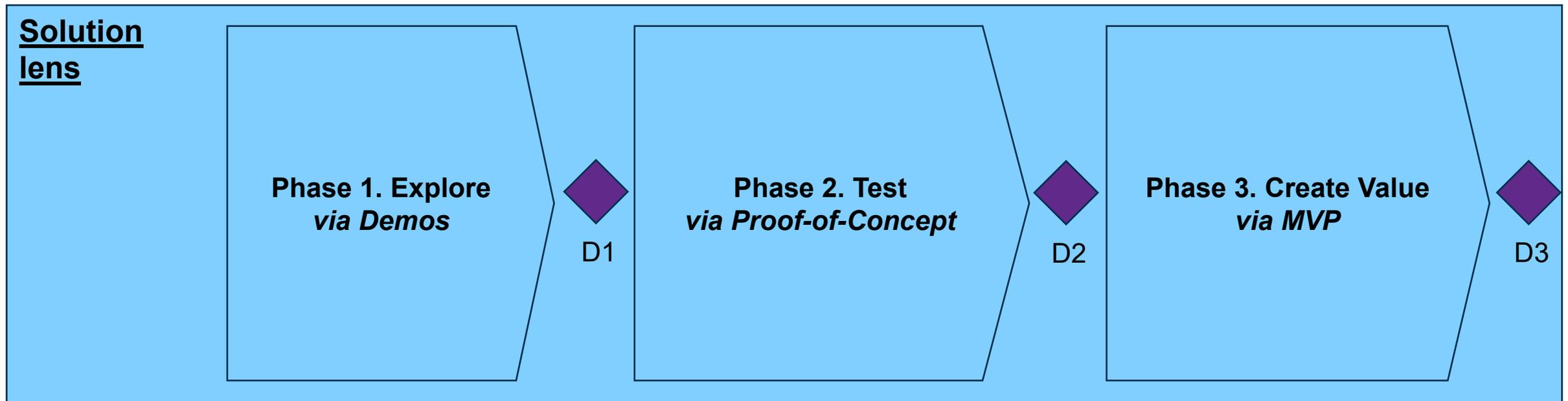
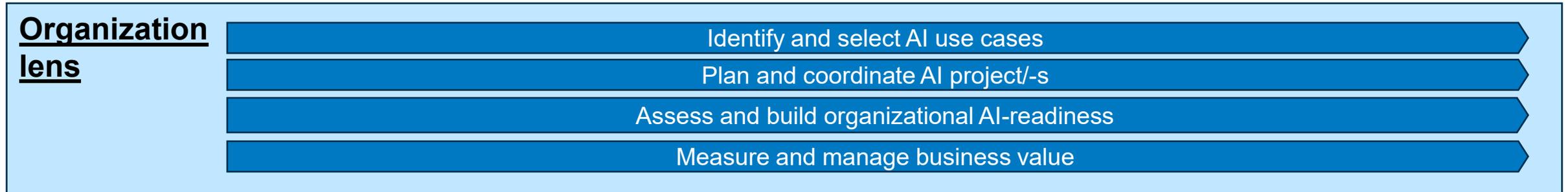
Components of the GAIK toolkit (subset)



GenAI implementation processes, Solution lens



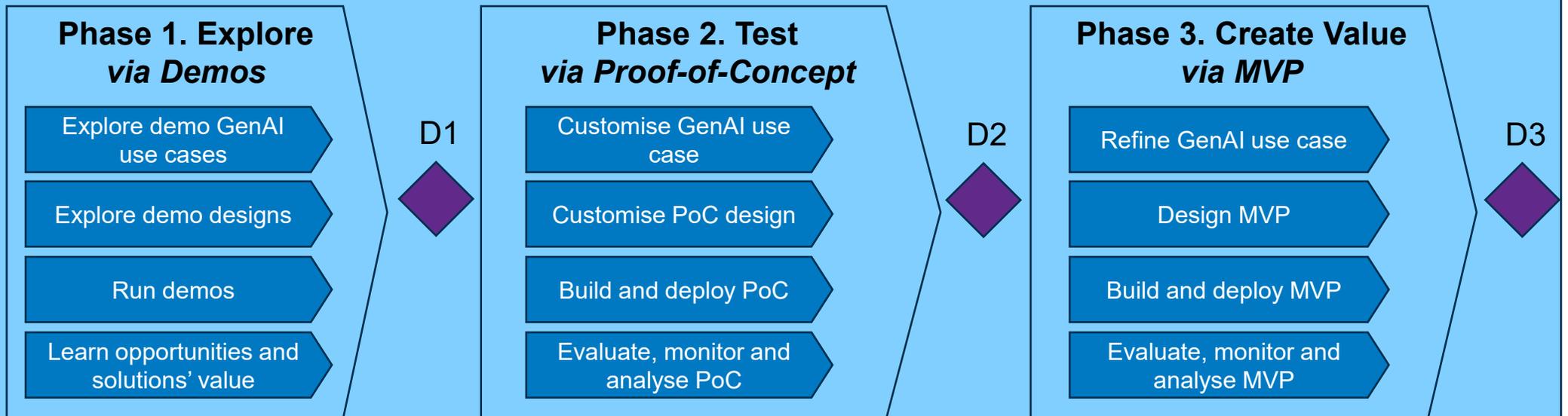
GenAI implementation processes, Organization lens



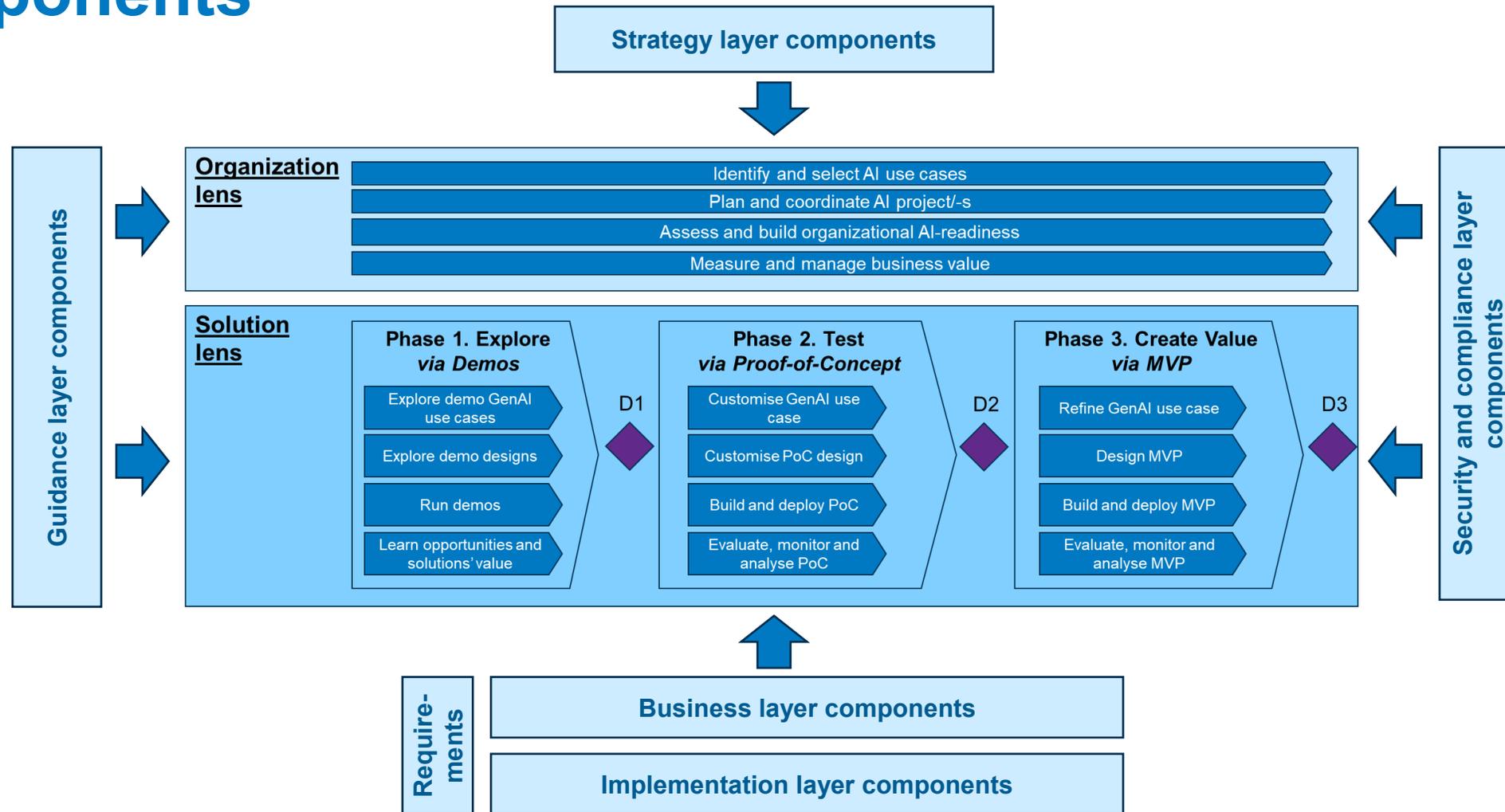
GenAI implementation processes, details

Organization lens

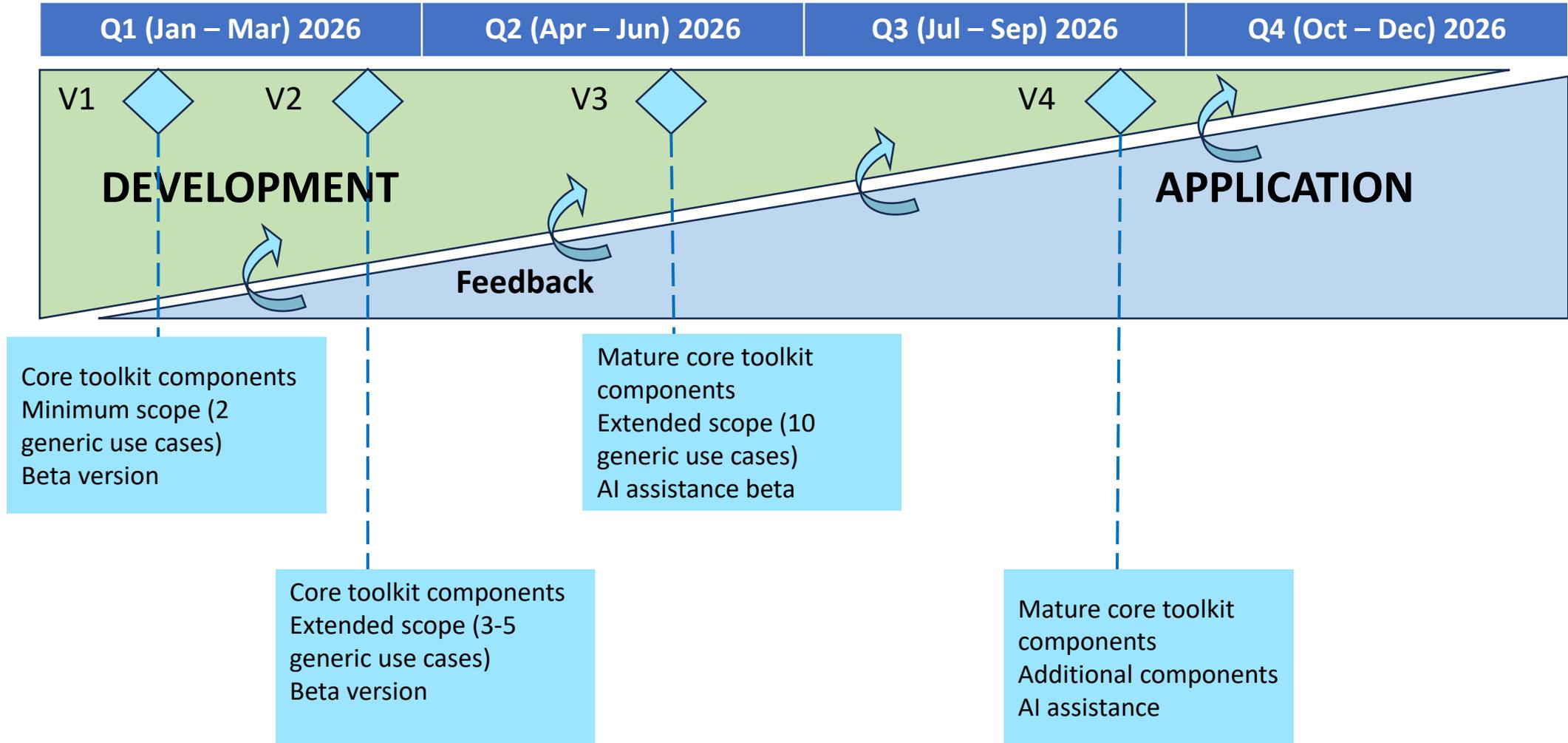
Solution lens



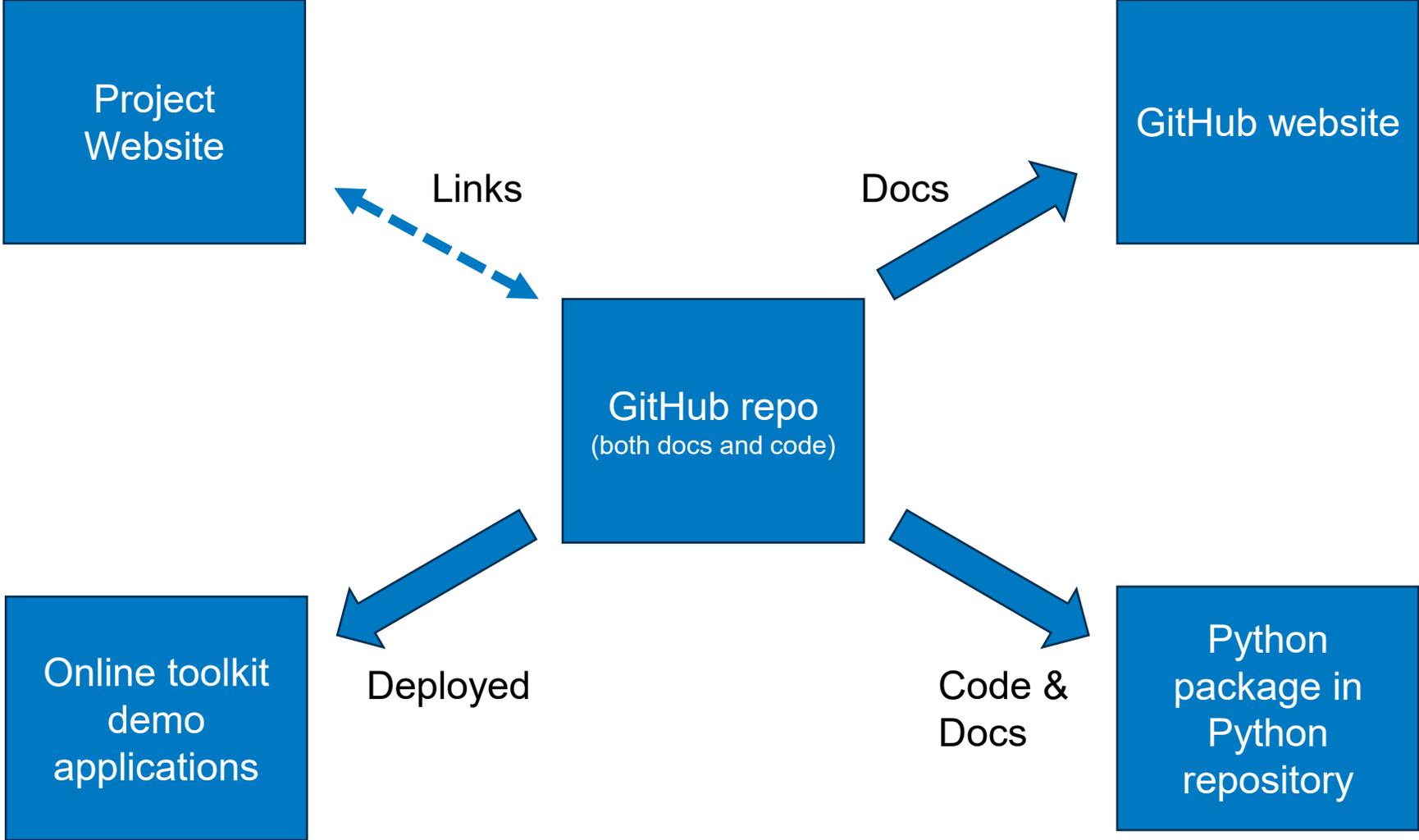
Linking GenAI implementation processes with the toolkit components



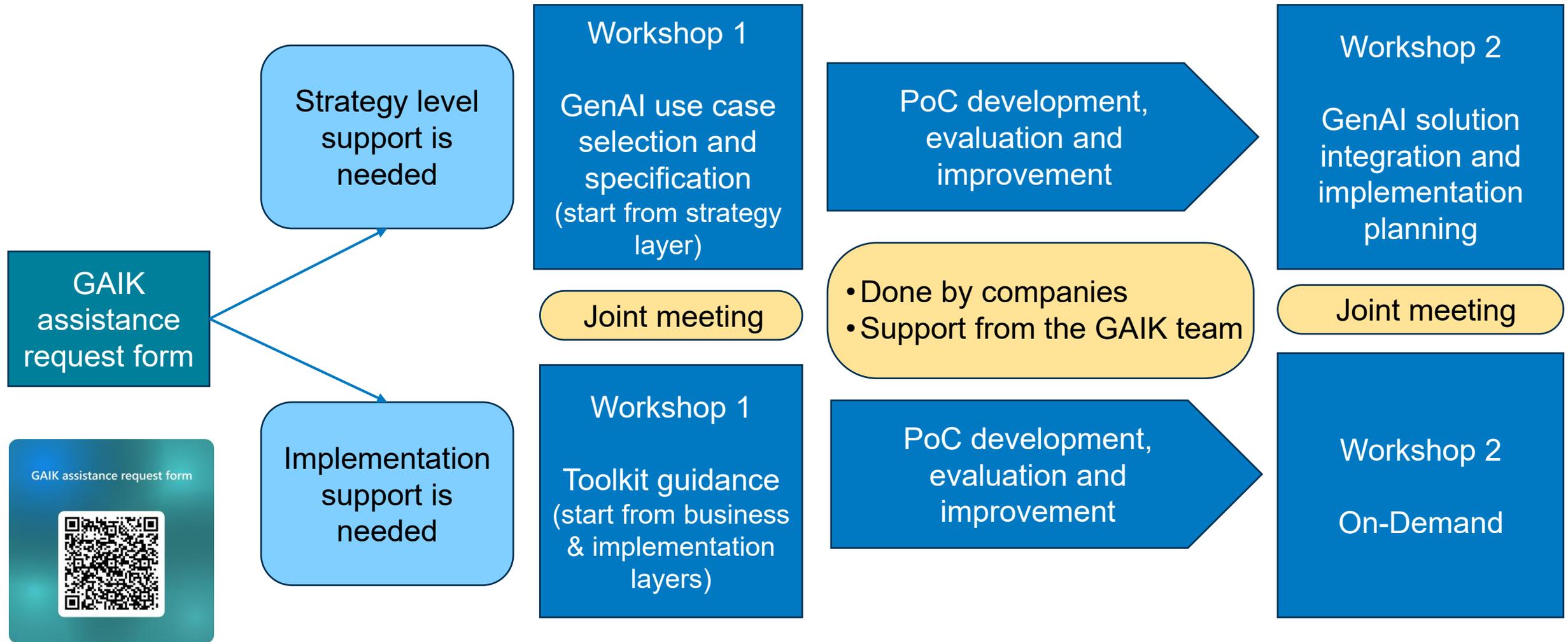
Toolkit development and application roadmap



Access to the GAIK toolkit



Offer for companies (free), GAIK toolkit piloting



Thank you!

Questions?

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