



### Your speakers today



**Dr. Lukas Zimmer**Director Finance Transformation

Konrad-Adenauer-Ufer 11 50668 Köln

+49 1512 9218778

lukas.aaron.zimmer@pwc.com

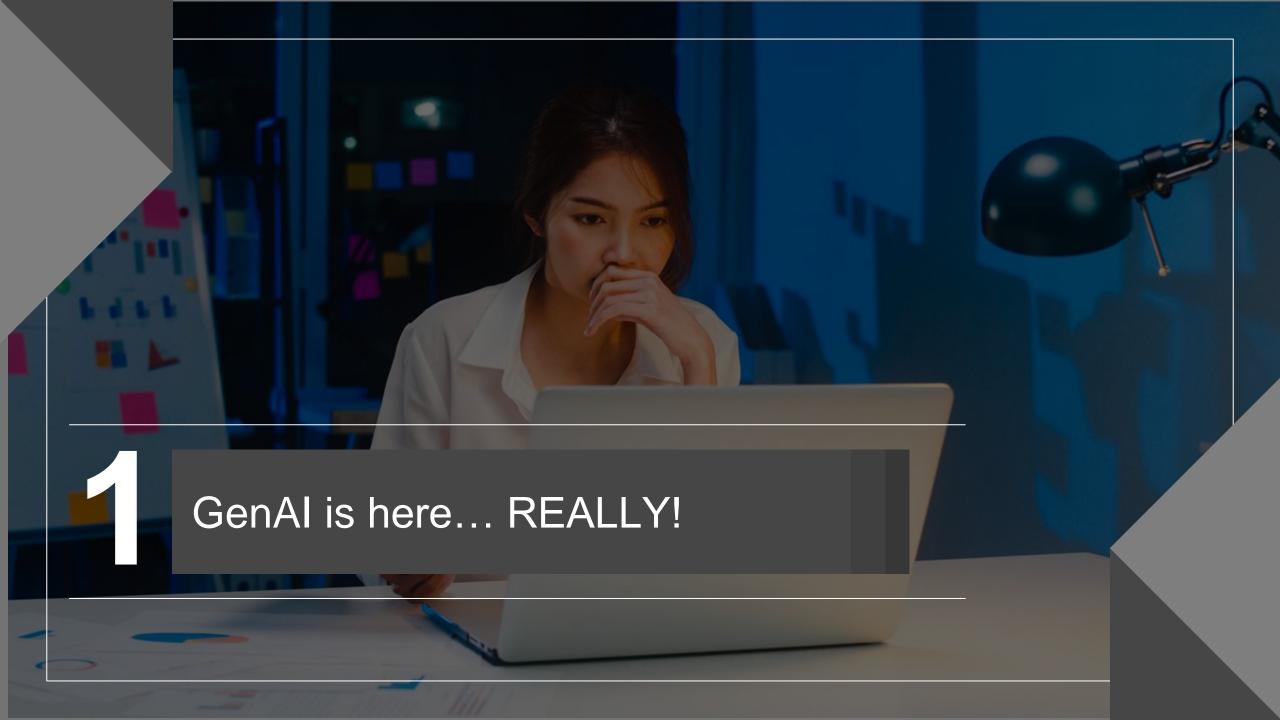


**Kai Kauffmann** Senior Manager Data & Al

Georg-Glock-Straße 22 40474 Düsseldorf

+49 170 4702715

kai.kauffmann@pwc.com



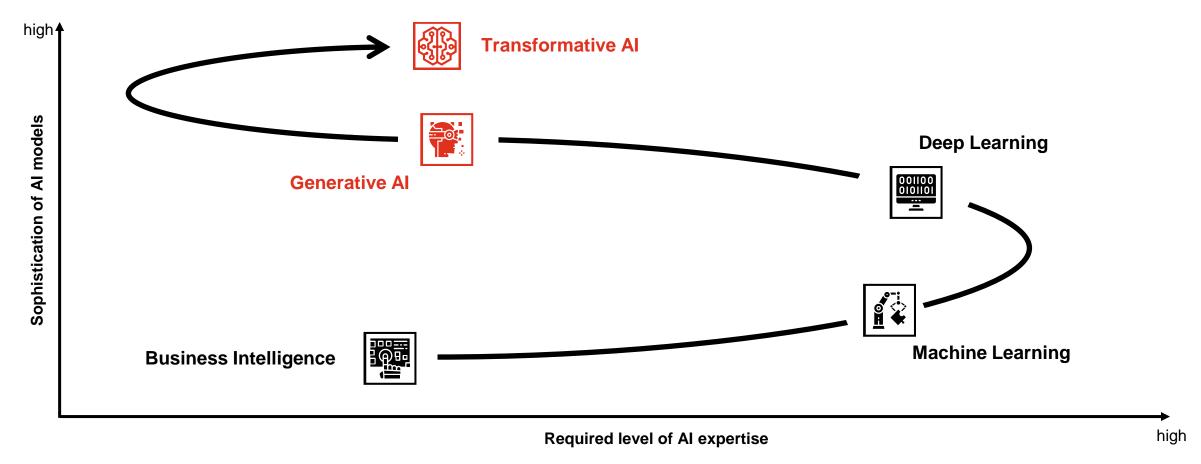
Who is this

An AI generated Person



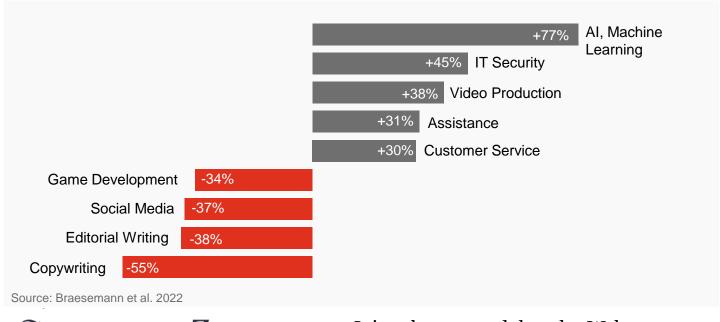
## With GenAI, we see the "iPhone effect" for Artificial Intelligence

#### **Development of AI sophistication and required expertise**



## Gen AI – Why it is faster reality than any other hype

#### Changes in job postings across different job types



### Süddeutsche Zeitung

Israel Europawahl Politik Wirtschaft Meinung Panorama Sport

Axel Springer will Mitarbeiter der Nachrichten-App Upday durch KI ersetzen It is to be expected that also Web Development, Data Management and parts of Data Science will be automated in the future.

(Prof. Dr. Christian Bauckhage, Professor for Computer Science, University of Bonn)

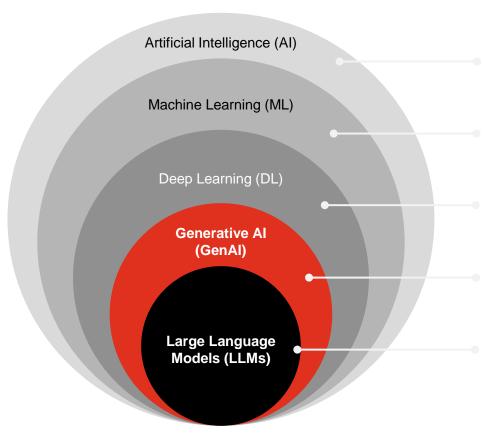


- Job postings for creative writing tasks are decreasing since the introduction of ChatGPT
- Jobs regarding development of Al and security on the other hand strongly increasing as more companies invest in the technology
- Video production still favoured to be done by humans in spite of huge automation potential by generative AI

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# What is Generative AI? GenAI leverages algorithms to create various forms of content based on user prompts

#### **Artificial Intelligence at a glance**



Computer systems designed to simulate human intelligence, perception and processes

A subfield of AI focused on the use of data and algorithms in machines to imitate the way that humans learn, gradually improving its accuracy

An ML technique that imitates the way humans gain certain types of knowledge; uses statistics and predictive modeling to process data and make decisions

Algorithms that use prompts or existing data to create new content - e.g. written (text, code), visual (images, videos), auditory

A subset of Generative AI which is trained on high volume data-sets to generate, summarise and translate human-like text and other multimedia content

Limited access to consumers & developers

©OpenAI is an example provider that leverages Generative AI & LLMs to develop products for consumers & developers

## What is Generative AI not? GenAI lacks certain capabilities beyond its technical limitations

#### **Technical limitations of GenAl**



Hallucination & Inaccuracy

Build on probabilistic linguistic relationships, and thus lacks an in-built mechanism to validate inaccurate or inappropriate information



Systematic Bias

For example, ChatGPT was trained using publicly available data, subjecting the platform to inherent systematic biases.



Data Protection & Ethical Concern

**Unintentional sharing of sensitive data** may result in privacy violations. Furthermore, there are **ethical concerns** such as authorship.



Memory & Data Validity

Quality of output heavily depends on the quality of data used to train the applications.



Degree of Personalization

Build on probabilistic linguistic relationships, and thus lacks an in-built mechanism to validate inaccurate or inappropriate information

#### **Lacking capabilities**



Real-time search

LLMs cannot access real time and location-based information



Human-like intelligence

GenAl is unable to **exhibit human-like intelligence** or understand the meaning of the text it generates.



Insightful reasoning

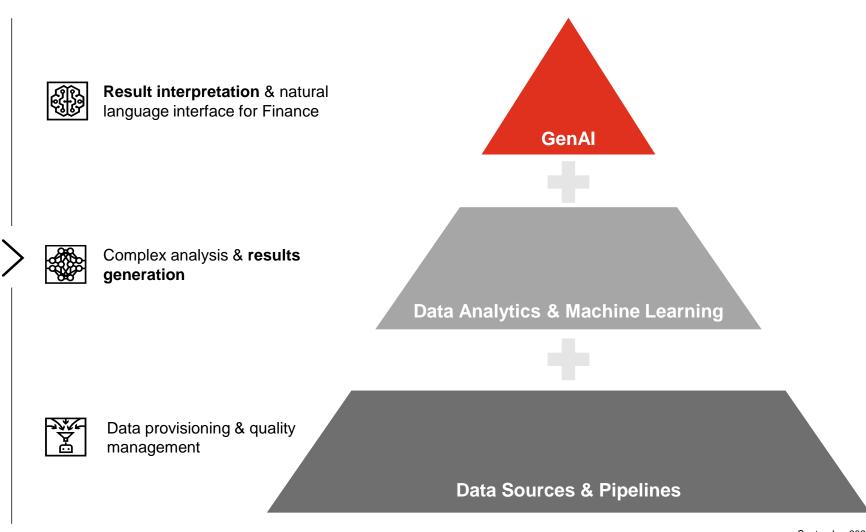
Statistical and mathematical interpretation of data is not part of GenAl



Self judgement GenAl is unable to offer self opinions or display human-like consciousness

## GenAI does not calculate, but it interprets calculations and is therefore a prime interface to ML for business users in finance

Value generation from GenAI is maximized if fed with algorithmic results and machine learning

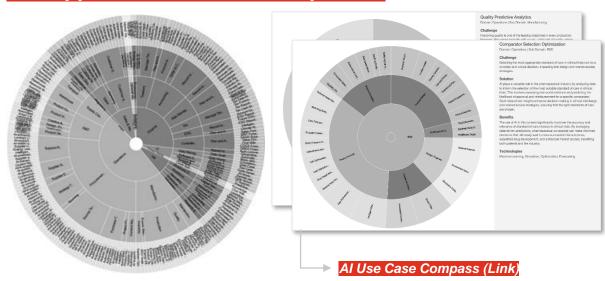




## Based on our PwC "Applied AI Use Case Compass" we identified relevant applications within Finance and beyond



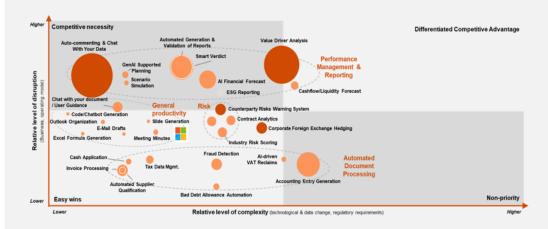
#### The Applied Al Use Case Compass ...



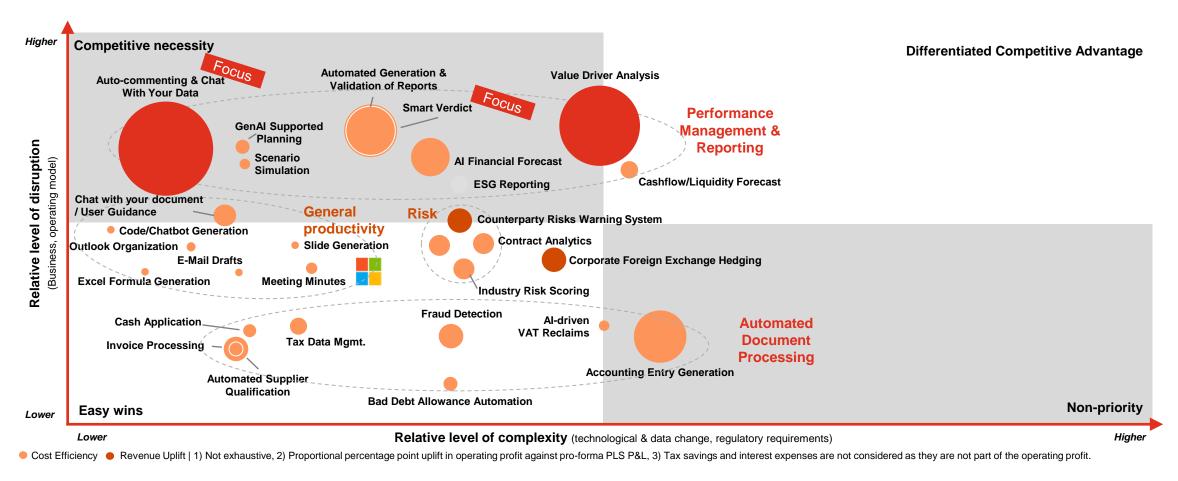
- PwC's Applied Use Case Compass identifies over 300 specific use cases.
- Each use case is clearly defined and can be used to assess its suitability for your organization.
- The use cases can be segmented by function, process and technology, allowing detailed analysis for each area of your organization.

## Based on PwC's Impact Scoring Framework we have identified a **long-list of relevant use cases for Finance**

- **1. Business Model and Operating Model Disruption:** Will a use case disrupt products, services, customer experiences, core processes or org models?
- **2. Complexity**: How high is the complexity of a use case?
- 3. Operating Profit Uplift: What P&L line item is impacted?



## GenAI use cases vary a lot in terms of potential and effort – we suggest to select a high potential use case



Bubble size reflects estimated impact on employees' productivity in effectiveness and efficiency

# Front-runners are already transforming their Finance function by digitalization programs and start utilizing (Gen)AI capabilities

Examples of (Gen)Al projects and use cases

#### Leading companies in transformation at the forefront...

#### **Data Program & Finance IT Architecture**

Client situation: Historically grown systems

hinder standardization and automation

**Value delivered:** Delivered transformation plan to improve and sustain financial operations



#### **Comprehensive SSC Transformation**

Client Situation: Lacking efficiency in legacy SSC

Value delivered: Transition from 11 non-

harmonized sites to 4 sites specialized by process



#### **Predictive Business Steering**

Client situation: Lengthy and resource intensive

planning and steering process

Value delivered: Al-enabled lean and efficient

budgeting and planning process



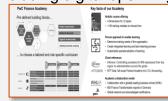
#### **Controlling 2.0 & Finance Academy**

Client situation: Need to reinvent controlling to fulfill

the role of true business custodian

Value delivered: Transformed entire finance

organization including digital upskilling



#### ...leveraging tangible (Gen)Al cases



#### Automated AP/ AR Request Handling



#### **GenAl-enabled Market Intelligence**

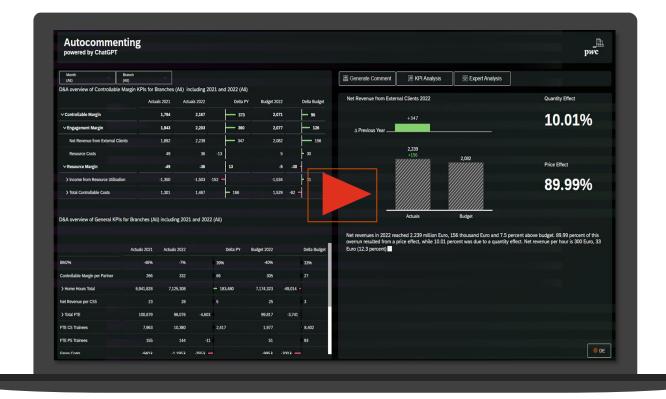


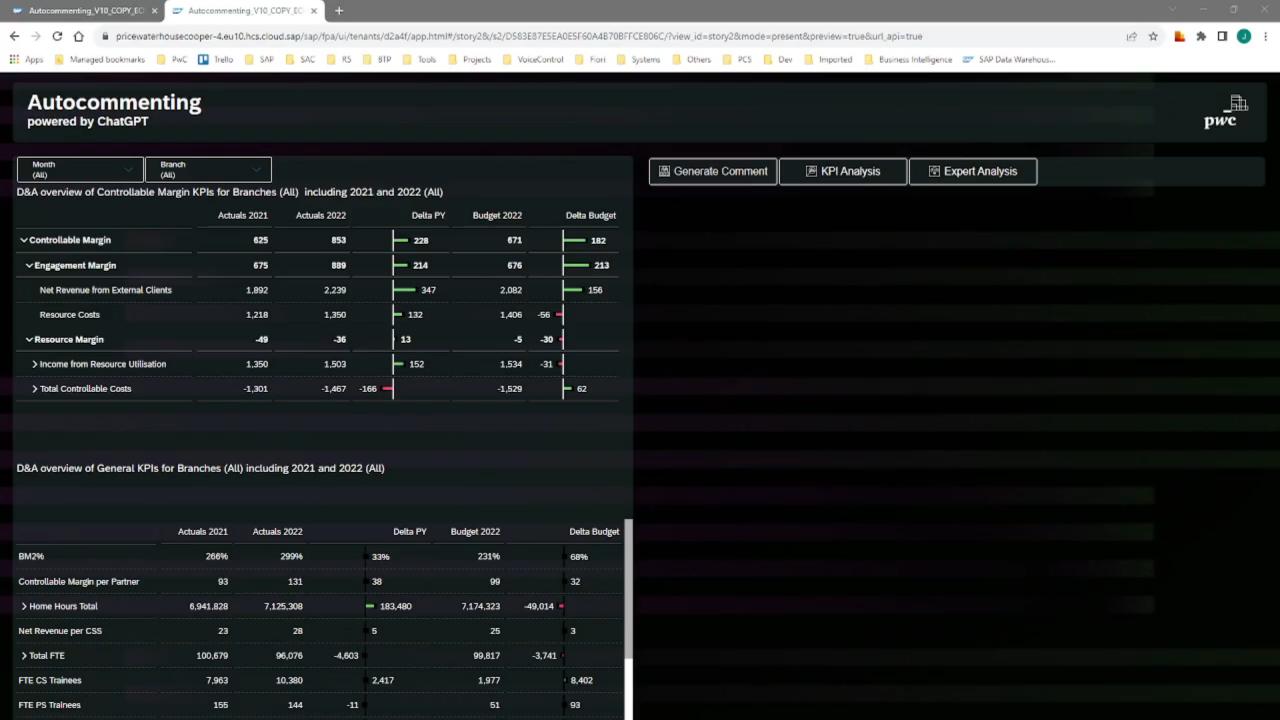
#### **Auto-commenting & Chat with your Data**



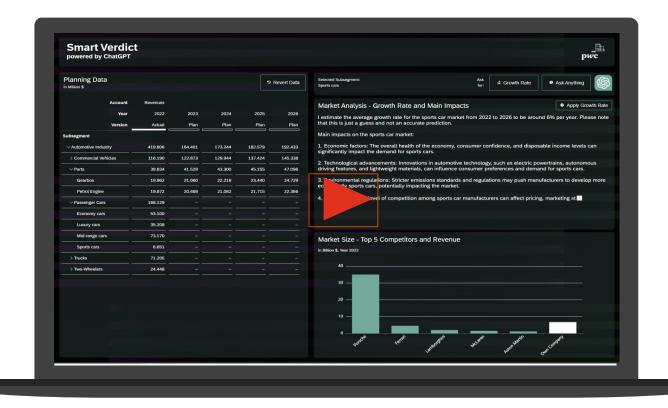
#### **Operational Procurement Assistant**

Automated report commentary & chat with your data is an implemented use case showing the value potential of GenAI





2 The AI-generated breakdown of market trends into growth rates by segments pinpoints to the areas that require management focus



## Smart Verdict powered by ChatGPT



Ask Anything

Planning Data					9 Revert Data
in Million \$					
Account	Revenues				
Year	2022	2023	2024	2025	2026
Version	Actual	Plan	Plan	Plan	Plar
Subsegment					
V Automotive Industry	419.806	164.401	173.244	182.579	192.433
> Commercial Vehicles	116.190	122.873	129.944	137.424	145.338
∨ Parts	39.834	41.528	43.300	45.155	47.096
Gearbox	19.962	21.060	22.218	23.440	24.729
Petrol Engine	19.872	20.468	21.082	21.715	22.366
∨ Passenger Cars	168.129	-	-	-	
Economy cars	53.100			_	722
Luxury cars	35.208	-	-	=	57
Mid-range cars	73.170				
Sports cars	6.651	-	-	-	3
> Trucks	71.205	-	-	_	in the second
> Two-Wheelers	24.448	=		_	- 14

Selected Subsegment: (No value set) f

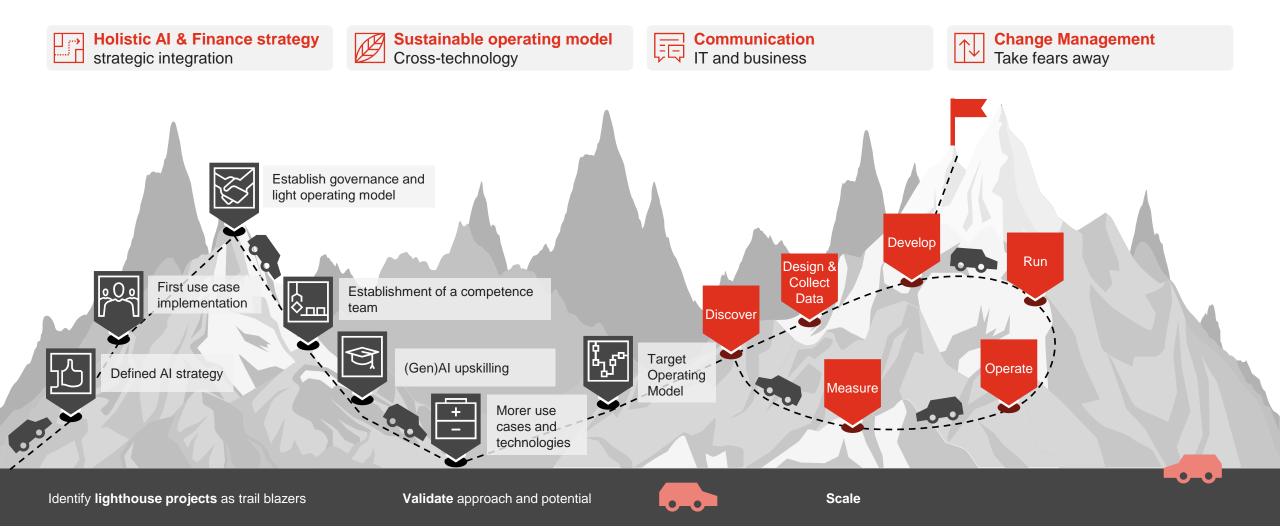
Market Analysis - Growth Rate and Main Impacts



Market Size - Top 5 Competitors and Revenue



### You AI roadmap should be defined along clear evolutionary blocks – Typical AI roadmap & evolution stages



## To fulfill the updated requirements towards Controlling, new skills and capabilities are needed

\*\*\* illustrative \*\*\*

#### Controlling skills required today



Compliance ForecastingLeadership Communication skills Cost analysis Financial analysis Risk management ERP system Budgeting Analytical thinking Cost management

#### (Gen)Al enabled Controlling skills

Automation Compliance Data-driven insights Adaptive Leadership Real-time Financial Intelligence Cross-disciplinary Collaboration Performance Management
Technology Drodictive A Cloud Computing Blockchain



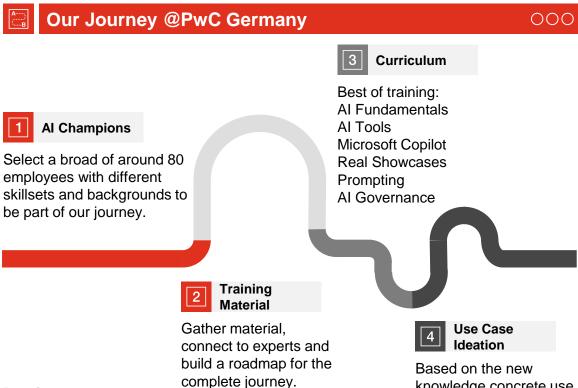
### The importance of AI enablement: We successfully tested and refined the approach at our own PwC Germany workforce

#### Where we started



We began by building a topdown business case to quantify the potential opportunity and help with stakeholder and leadership buy-in







- + 70+ PwC employees upskilled from Senior Associates to Partners
- + Long-list of 100+ GenAl use cases
- + 10 shortlisted GenAl use cases
- + Signficant productivity gains and value **generation** expected from use cases
- + Al Champions placed in various BUs acting as stewards and drivers for our own Alenabled transformation



- 1. Set of Al Experts that act as trainer
- 2. Availability of demo GenAl-tools such as ChatPwC

knowledge concrete use cases were collected

## Thank You!

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