

THE BIG FIVE



Envisioning Tomorrow's Code

Cross-industry executive exchange on the evolution of software production.



MAIBORNWOLFF

THE BIG FIVE



GenAI



Cloud Next



Green IT



Talents



Digital Design



TOP CHALLENGES

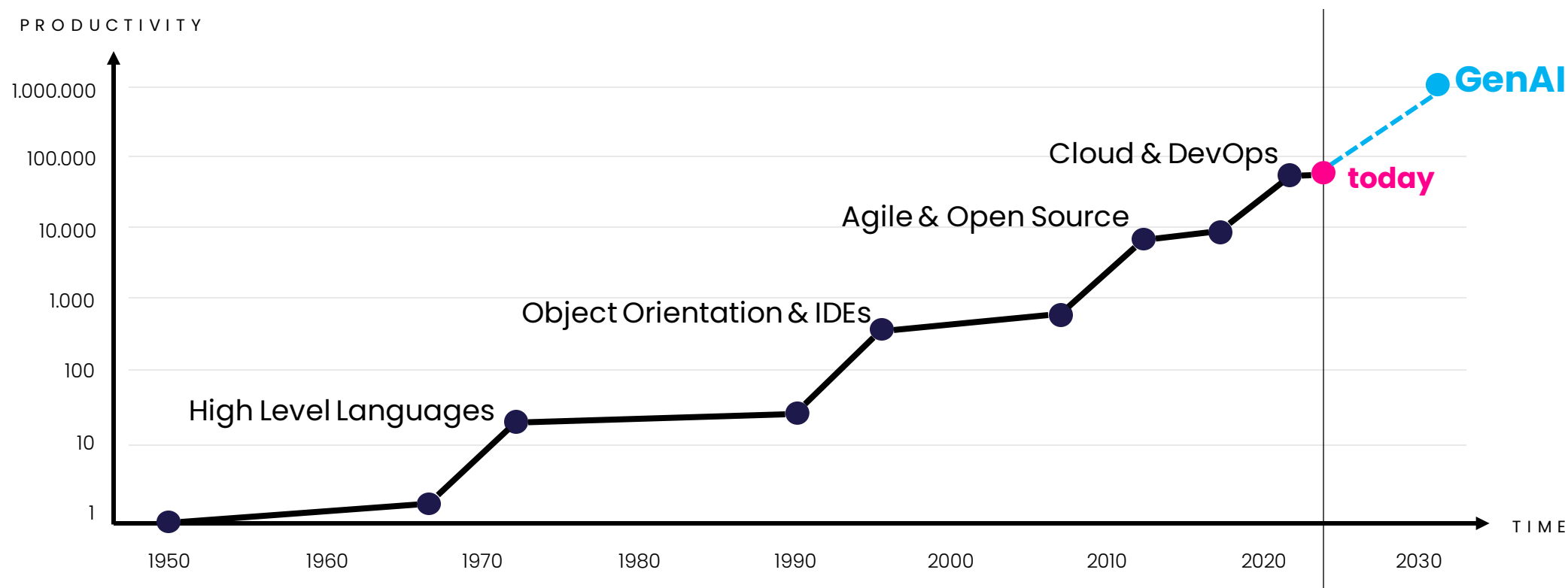
GENAI

Application Development will
never
be the same again



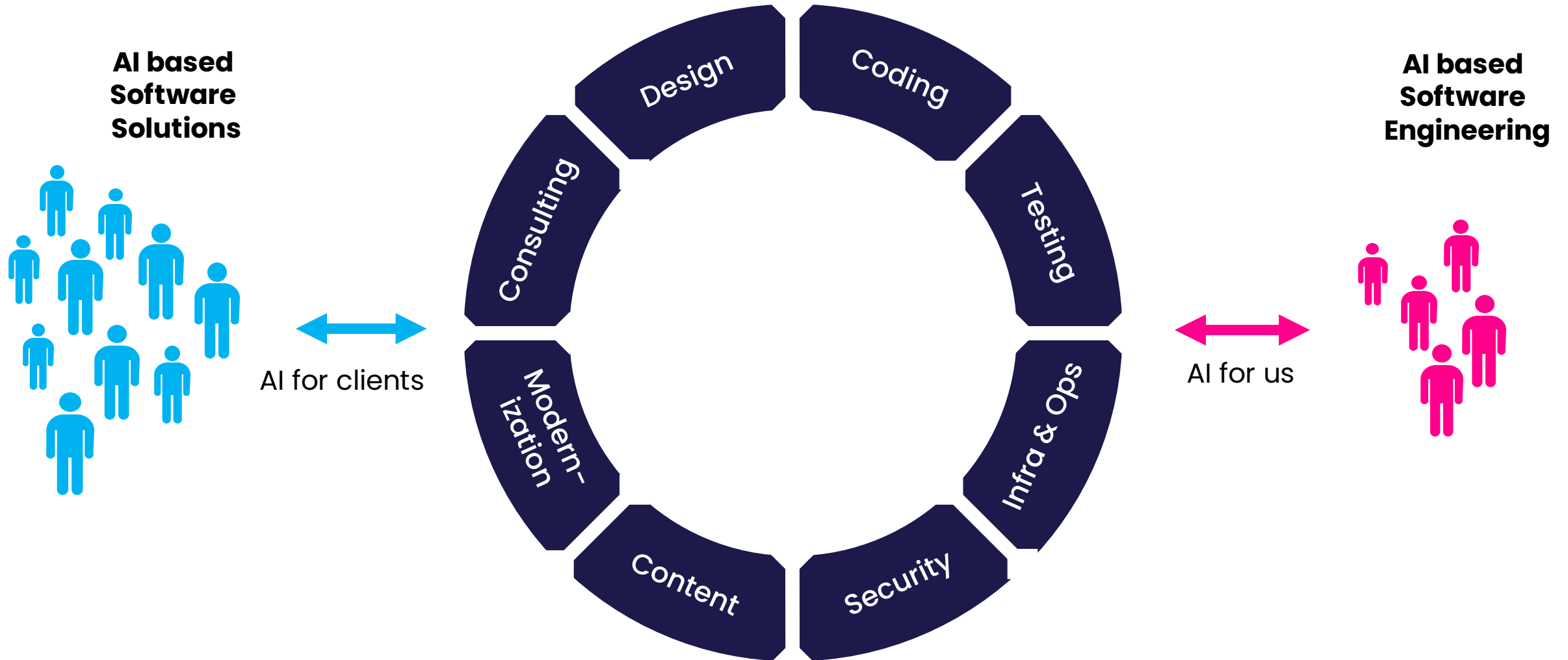
STRONGLY SIMPLIFIED & UTTERLY SUBJECTIVE

The biggest productivity leaps in software engineering over the past decades



Generative AI is changing **all phases** of software engineering

We expect efficiency increases of a factor of 5 to 10 over the next 5 years.

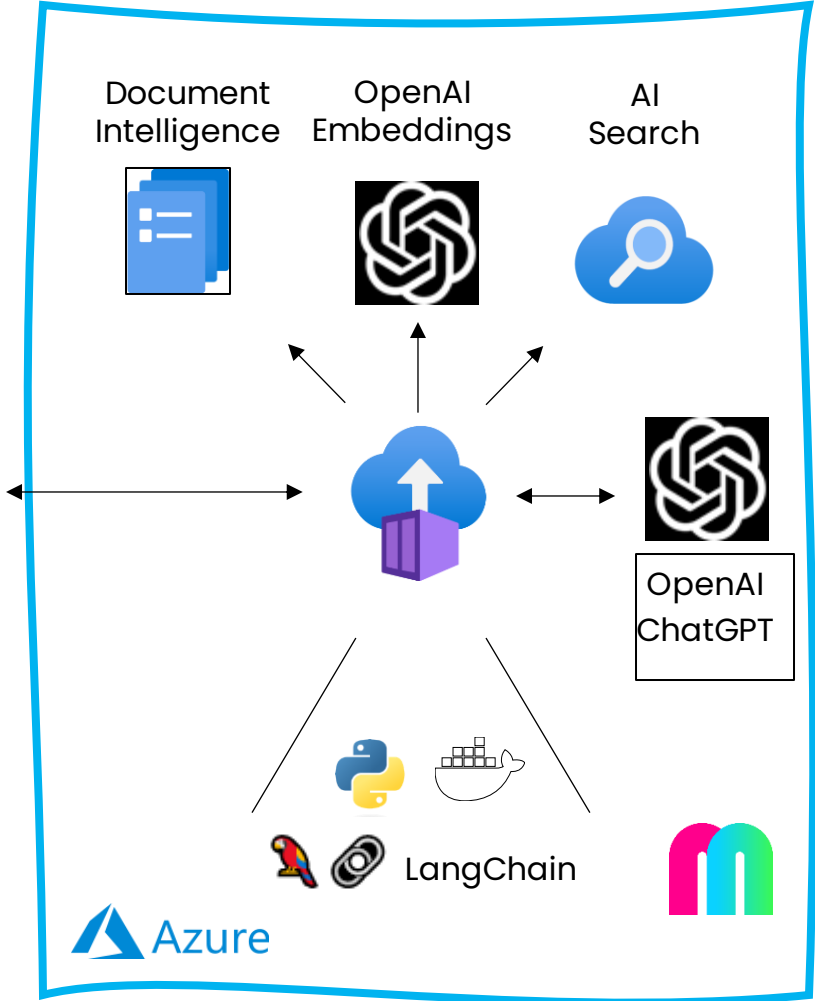
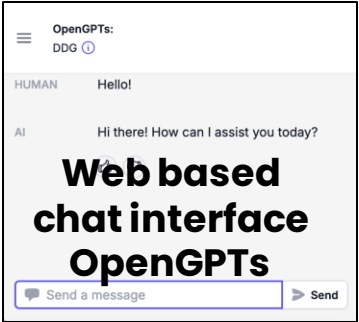




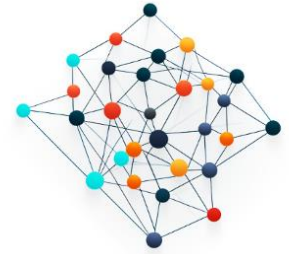
TOP CHALLENGES

GENAI

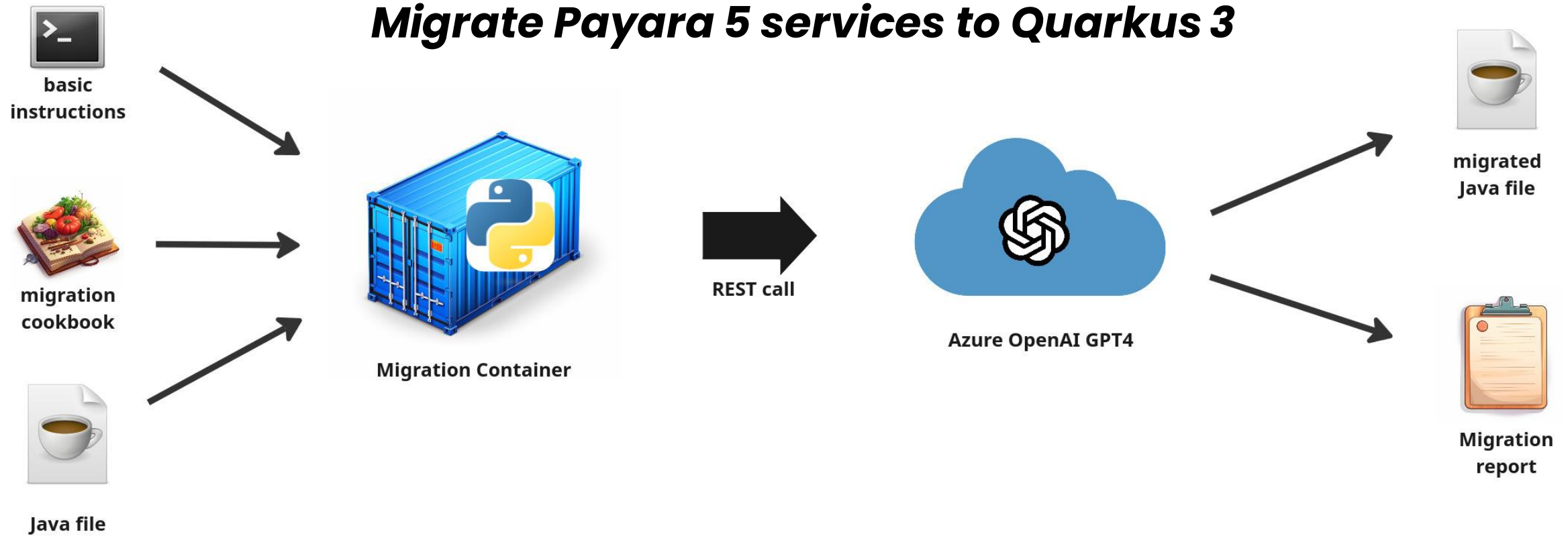
Chat with YOUR data



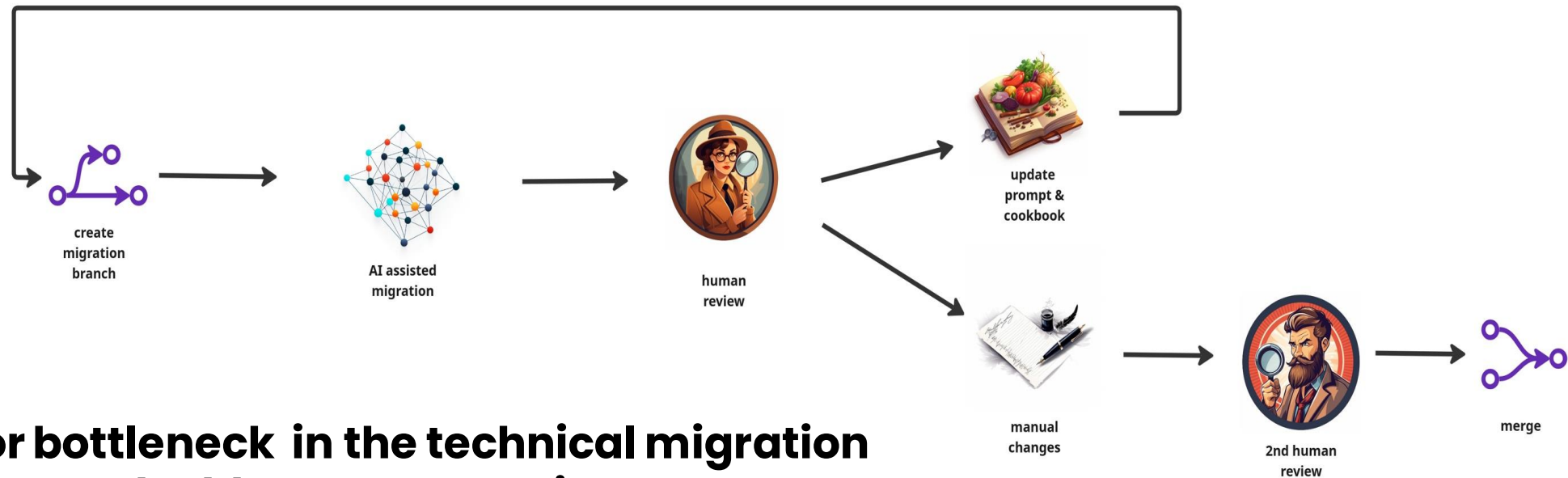
AI Supported Migration



Move Payara 5 services to Quarkus 3



AI Supported Workflow



AI solves a major bottleneck in the technical migration of legacy systems and addresses major issues

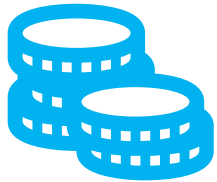
- Skills shortage on legacy stacks (e.g. COBOL, JEE, PL/SQL, SAS)
- Migration complexity and risks (e.g. cloud native vs. "lift & shift")
- Migration effort and time required (e.g. redevelopment of large code portions)



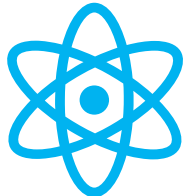
3 Major Benefits (estimations) + 1 Major Challenge



5x faster



70% cost reduction



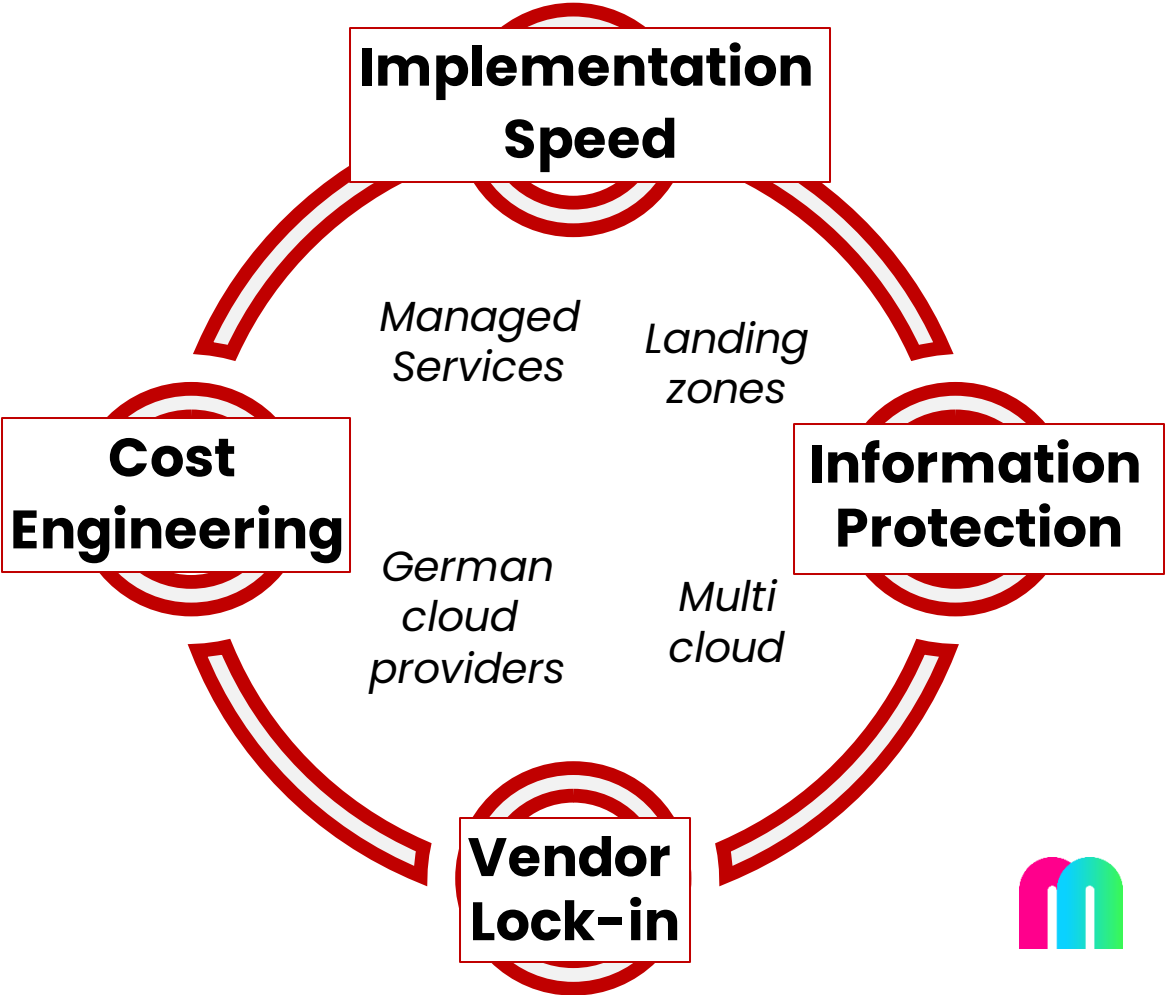
100% consistency





TOP CHALLENGES

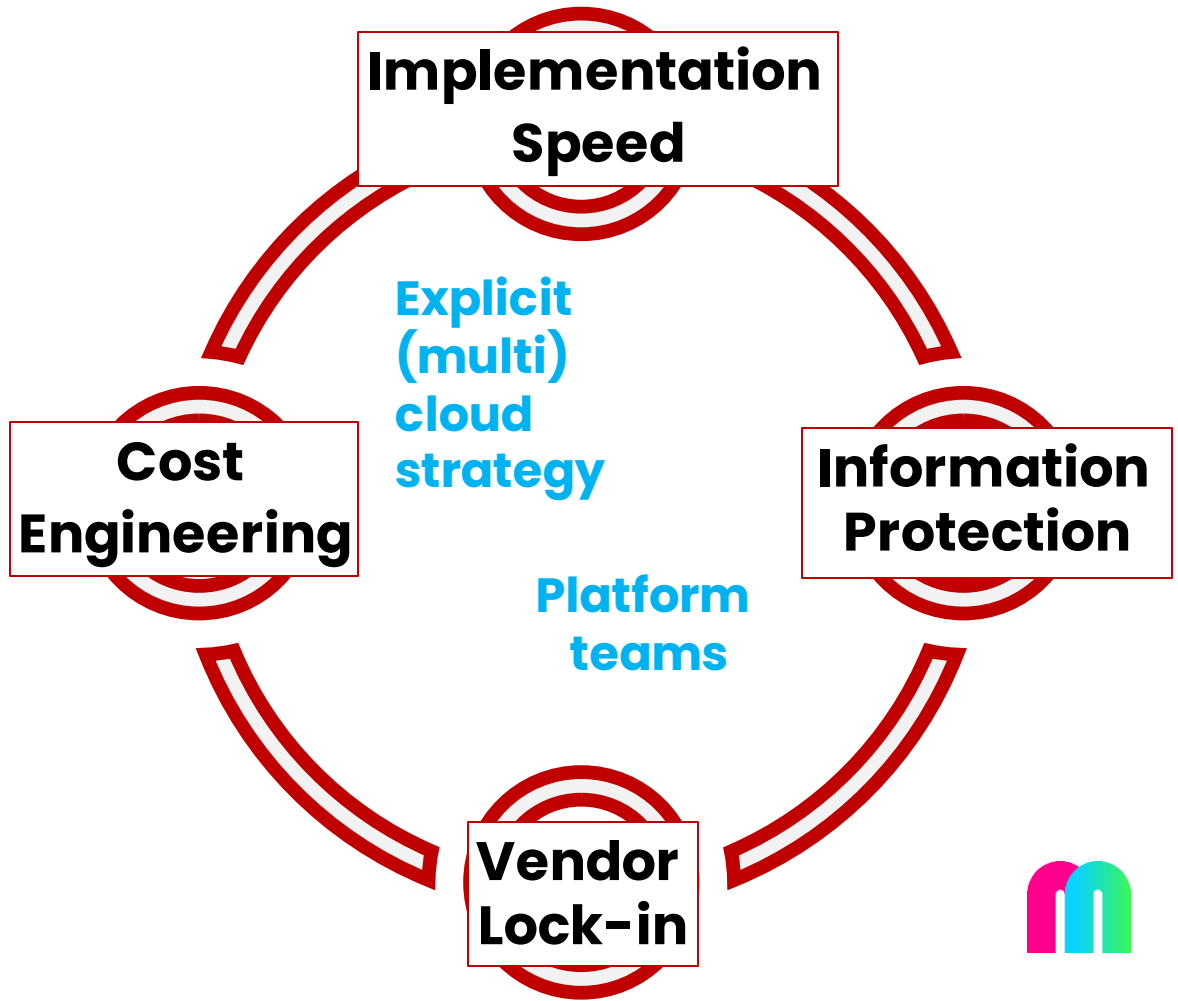
CloudNext





TOP CHALLENGES

CloudNext





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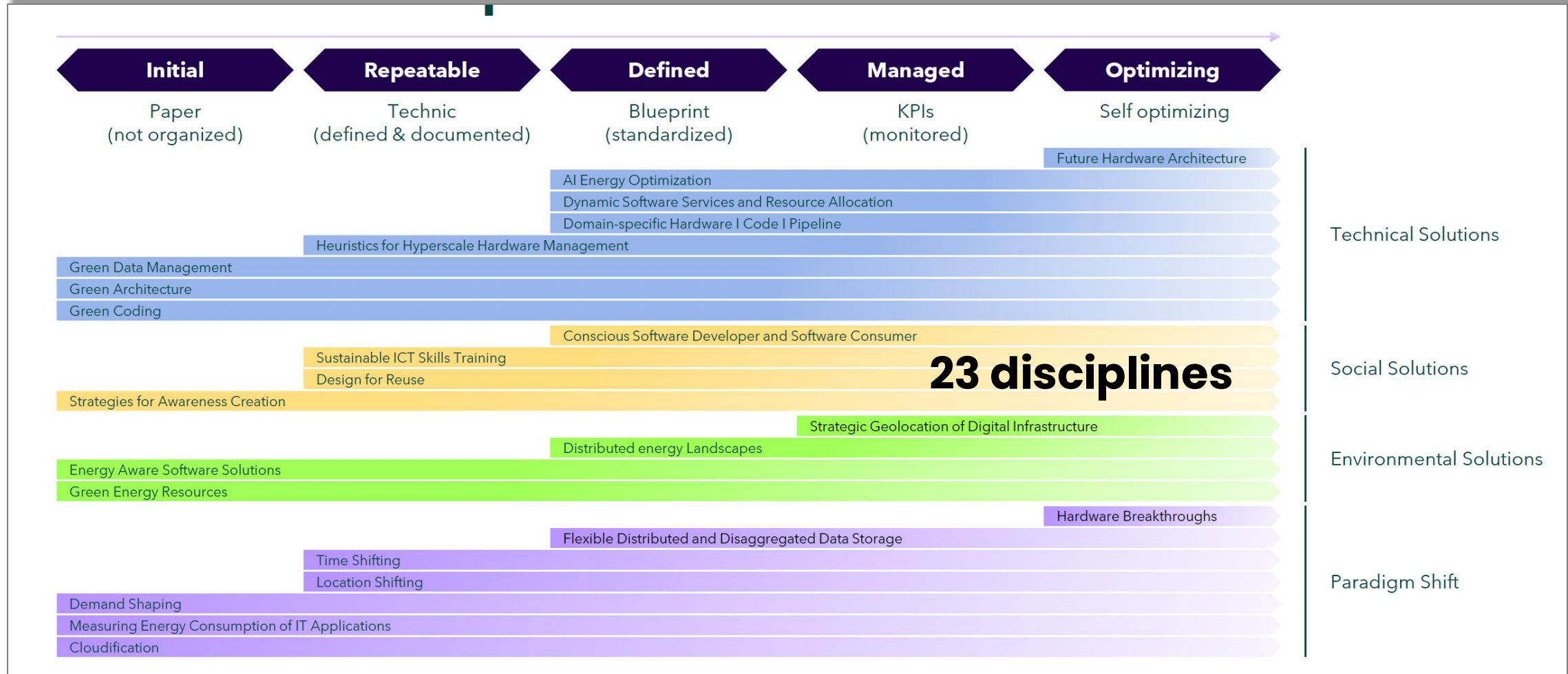
GreenIT

- › Change **mindset** and **be prepared**
- › Measure, evaluate, optimize **energy consumption**
- › Train and **apply best practices** for design, architecture, code
- › Implement a **Maturity Model**



Maturity Model Integrated for Green IT (MMIGIT)

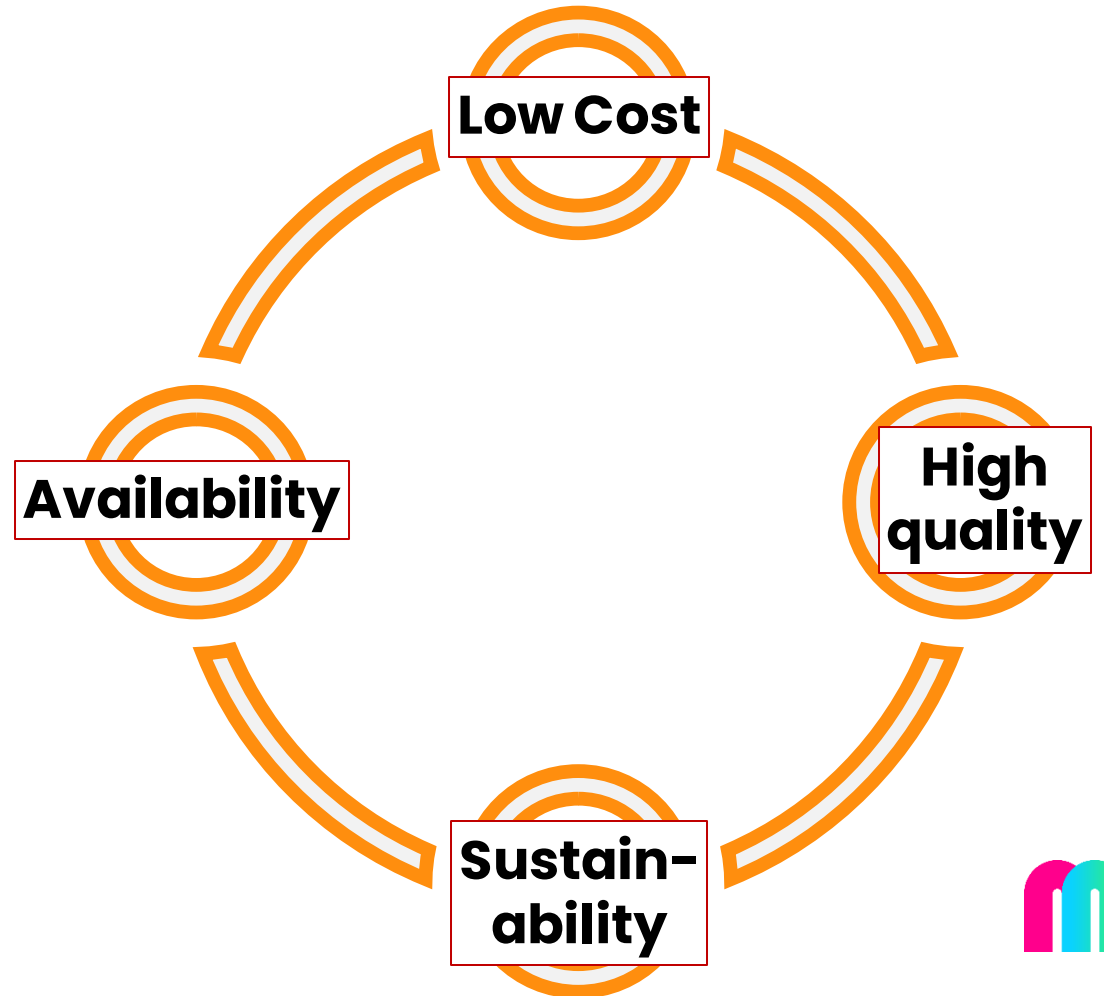
by metafinanz





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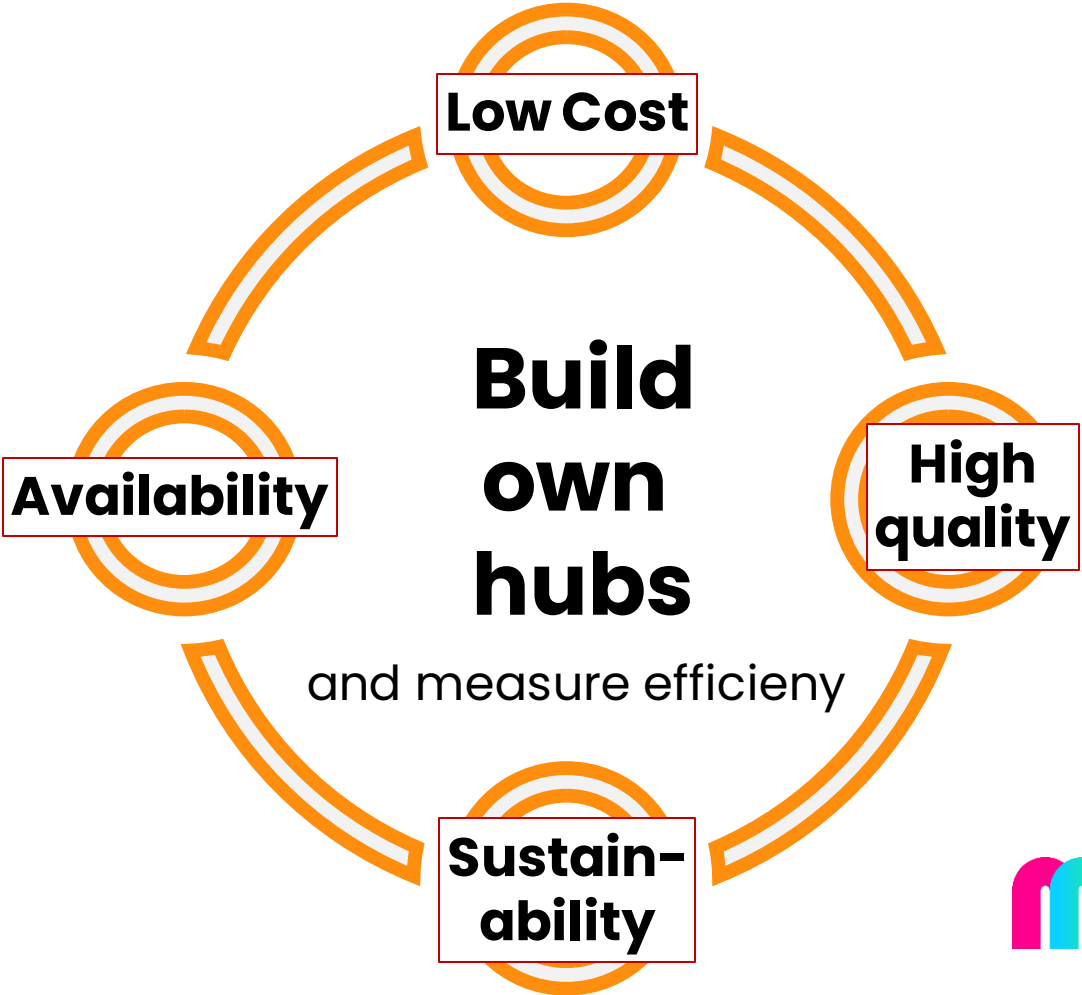
TALENTS





TOP CHALLENGES

TALENTS



Afrishoring

[Services](#)[Team](#)[Quality](#)[Partner](#)[Founders](#)[FAQ](#)[Contact](#)[Roadshow](#)[EN](#) [EN](#)

Win-win Digitization in Collaboration with Africa's IT talent

We are an innovative European-African
premium IT service provider with a focus on

- Web applications
- Mobile apps
- Placement of top teams
from Sub-Saharan Africa



Excellent software

Best price performance

Social added value



www.gbs.rw/event

German-Rwandan IT & Business
Services Summit 2024



TOP CHALLENGES

DigitalDesign

- › Where should CIOs invest when it comes to digital transformation?
- › How to create really inspiring digital products that people love to use?
- › Let's approach this topic from an unusual perspective!



Can you imagine, if 22% . . .



... of buildings fall
down around us?



... of phones explode
in our hand?



...of our cars don't
start?



... of medicines didn't
work?

Why do we accept such error rates in software engineering?

Is it because there is no physical debris or waste?

Or is it because we don't have to dig a pit in which we bury thousand of cars?

Or is it because there are no millions of vials of medication that need to be safely disposed of somewhere?

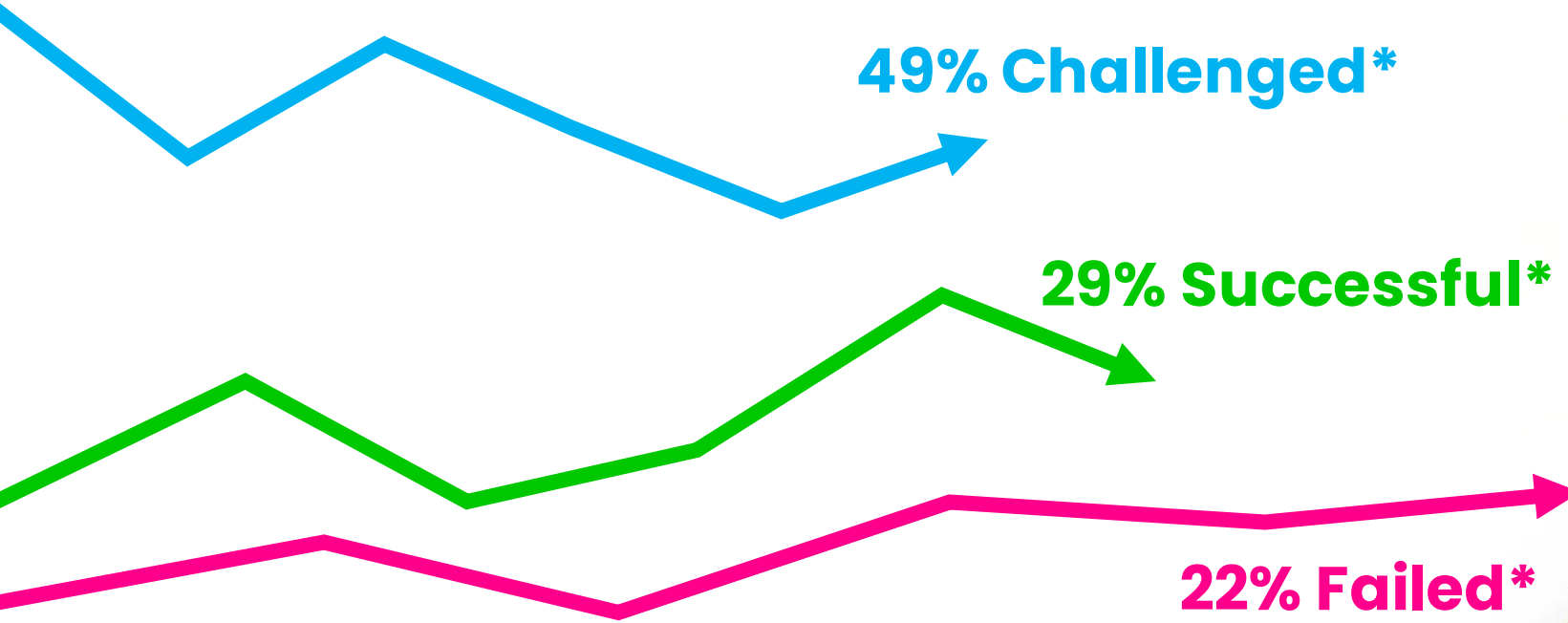


Digital Waste is invisible!



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What is the success rate of enterprise software?



*Standish Chaos Report



Concept? We are agil after all!
This is not conception and not a design.



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Concept? We are agil after all!
This is not conception and not a design.



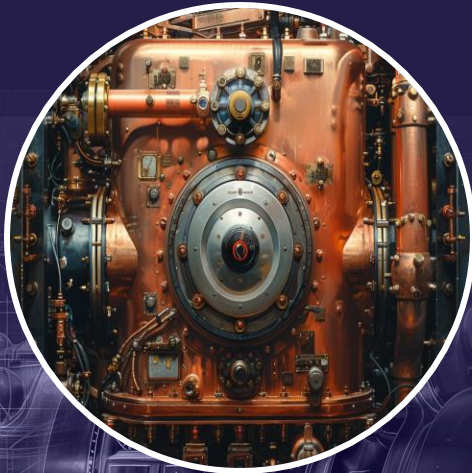
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If you compare software technology with all other technical disciplines, amazing things come to light ...

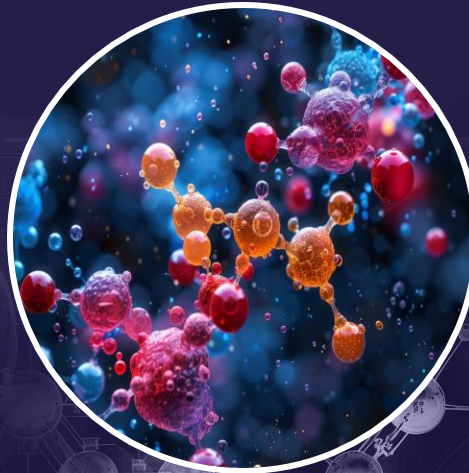
Civil



Mechanical



Chemical



Electrical



Software



Software engineering is the **only** technical discipline that does **not have** a standardised design process and visual blueprint for its products!

Our answer to that ... is the Digital Design Profession.

Digital Design means
design with an
holistic perspective

Digital Design is an
umbrella profession



Digital Design building a
bridge between
IT and **Business**

**Digital material
science** makes all the
difference.

BITKOM
Identified the design vacuum in 2017
Role Ideal Digital Design (2017)
Digital Design Manifest (2018)

Together with BITKOM,
We are Digital Design pioneers.



SUCCESS STORIES

We live Digital Design in our Projects

Miele



IDEA OF THE CUSTOMER

We want to create added value in modern households with voice technology.
Where does that work?

Let's do the whole washing machine control via speech!



ADDED VALUE THROUGH DIGITAL DESIGN

Important to know: Possibilities and limits of voice
→ GUI provides guidance by visual elements, VUI not.
→ GUI delivers information parallel, VUI sequential.
→ Human memory is limited: one-breath-test.
→ Time-to-Task stands out.

Multimodal Design instead of pure Voice.

Great success in contrast to pure voice.

SUCCESS STORIES

We live Digital Design in our Projects



CHALLENGE

Analog error lists are displayed in production and are to be digitized.

Let's just map the excel error lists 1:1 on the tablet!



ADDED VALUE THROUGH DIGITAL DESIGN

Questioning:

- Which user group needs which data?
- How to work efficiently with thick work gloves?
- Modelling data from business perspective. Hidden behind tales.
- Set up new dashboard.

Real process digitalization instead simple data electrification.

Twice nominated for the Industry 4.0 Award.

For digital waste prevention 31% Digital Design belongs in every Digital Project!

*We noticed that when at least 31 %
digital design profession is on board,
applications are significantly more likely
to go live and fully utilized.*

MEET MAIBORNWOLFF

We love Software!



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