




accenture technology

New IT – A Software Engineering View

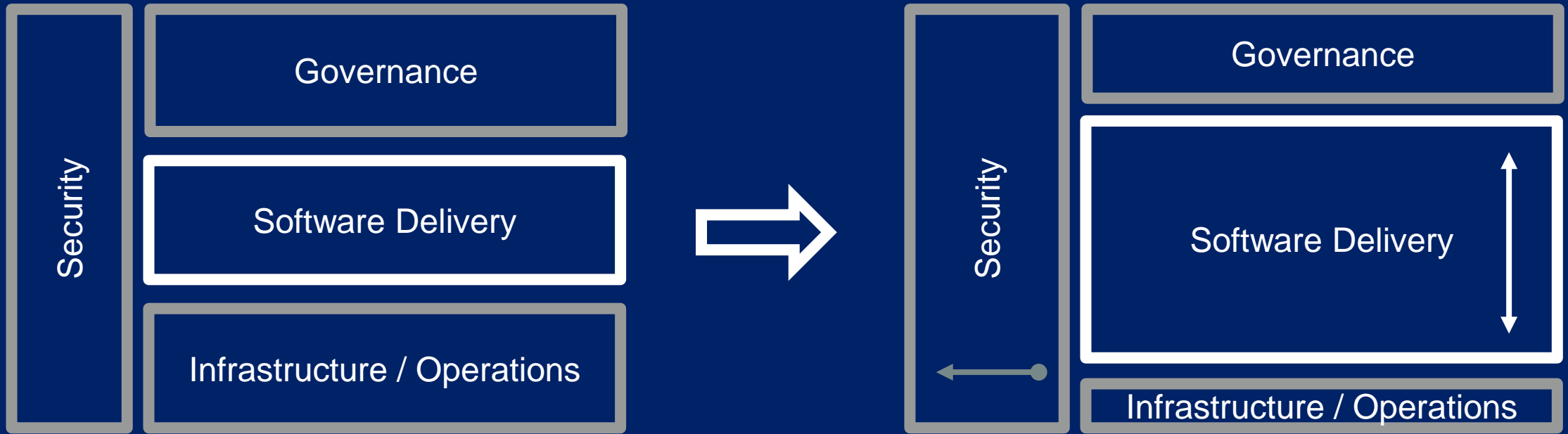
October 2016 / Tomas Nyström

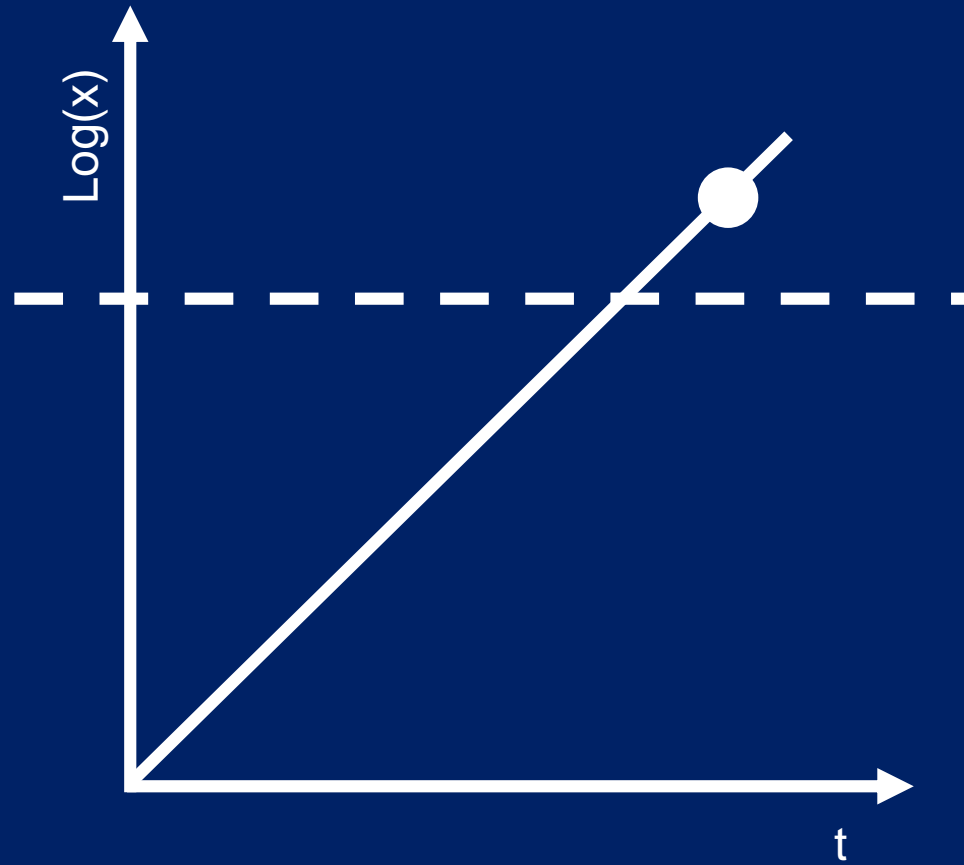


High performance. Delivered.



Strategy | Consulting | Digital | Technology | Operations





Implies: IT operating model refresh, new IT and people skills, need for enhanced security, further commoditization of infrastructure etc

New Levels of Automation

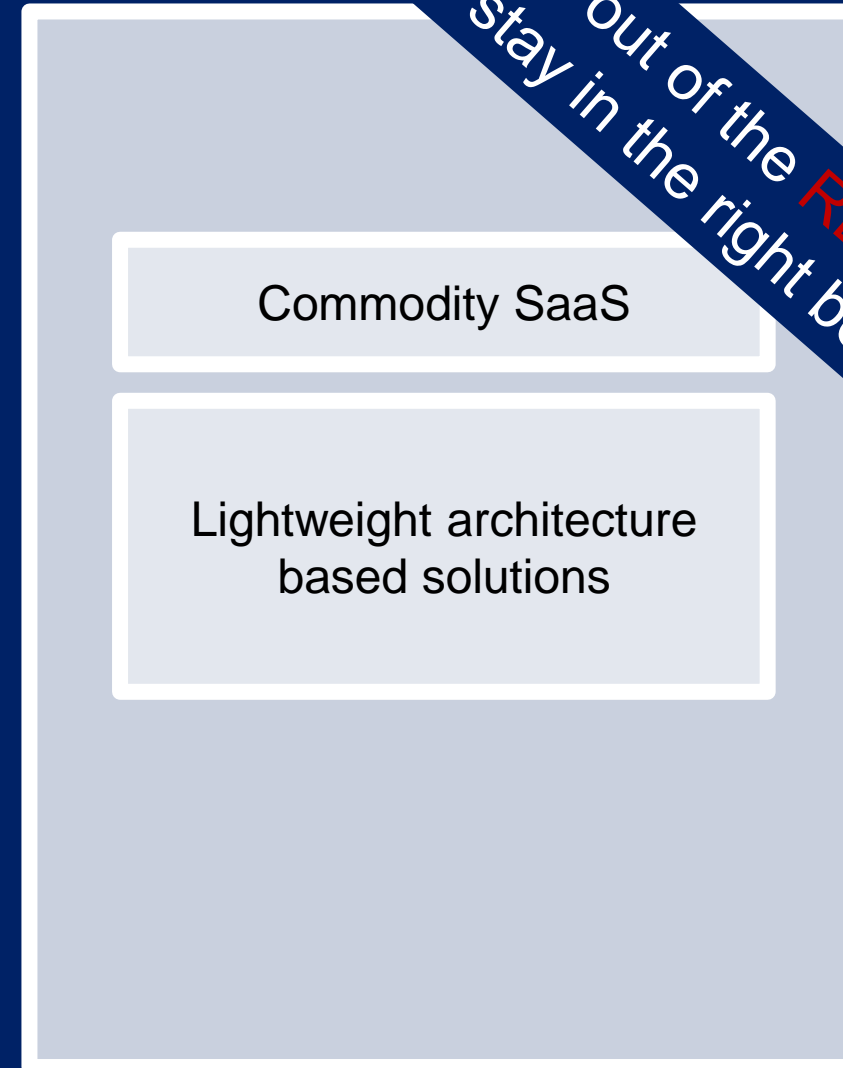
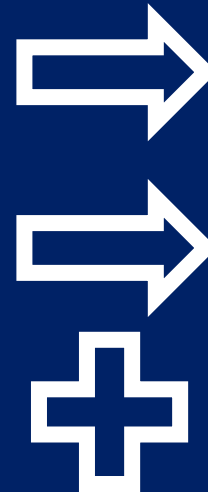
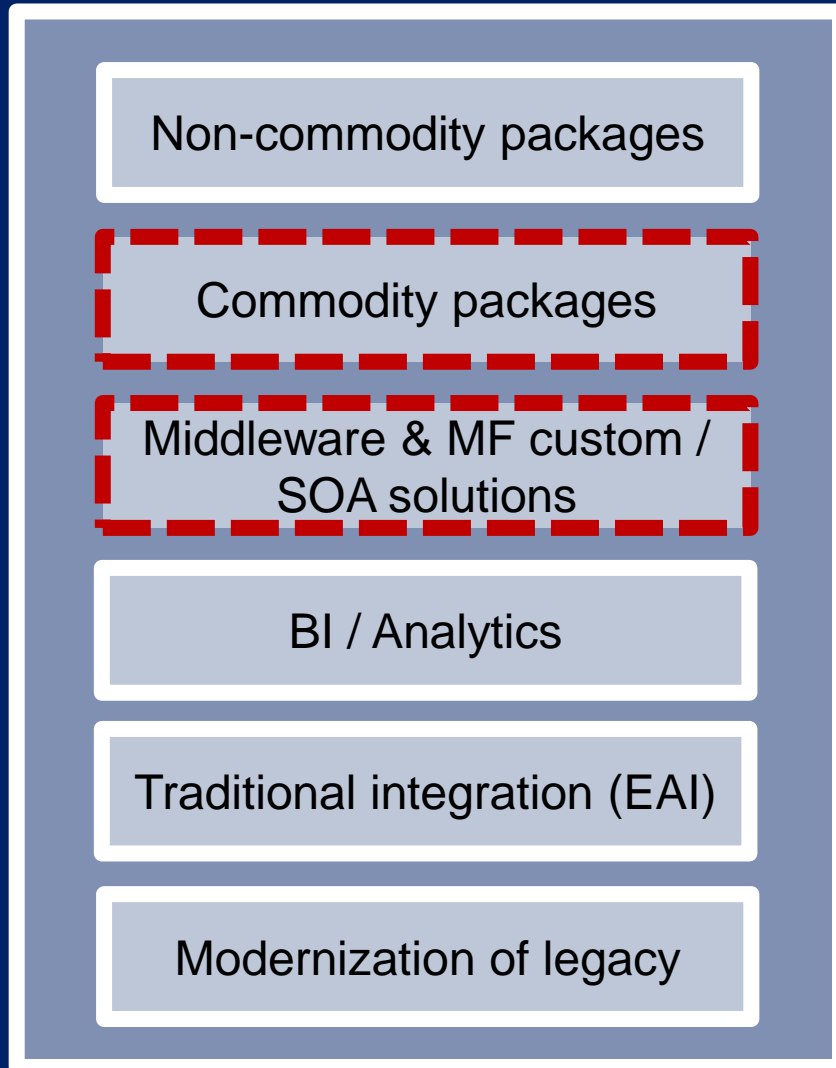
New SW Architectures

New IT

New Methods

Proper EA Thinking

New Software Architectures



Stay out of the **RED** and stay in the right box!

Lightweight Architecture

Internet-scale companies contributing to OSS



Emergence of non-relational persistence models

Store your data in the way and format that makes most sense



The browser as a UI-platform



Desire to create resilient and fully distributed systems

“Protect from failure”

VS.

“Build for breaking”



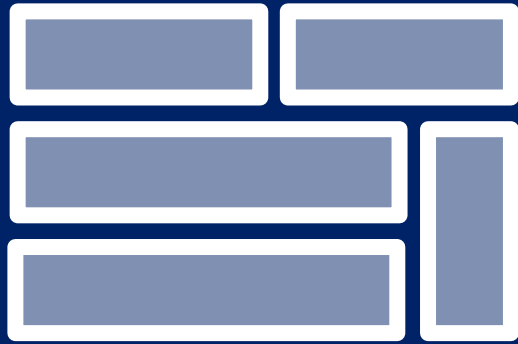
Use the best language and platform for the job



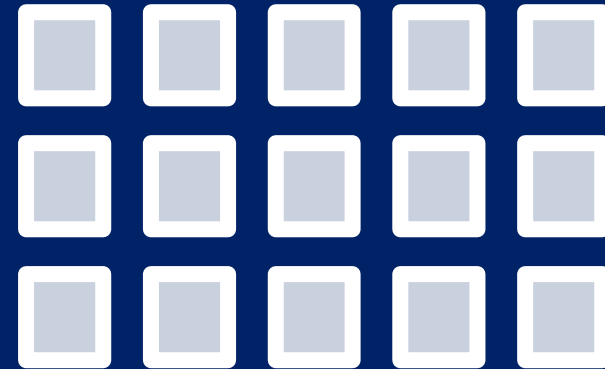
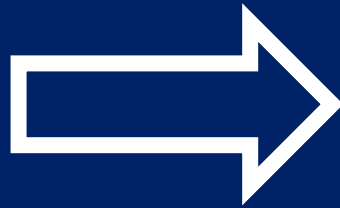
Everything-as-a-Service



Impact of Lightweight Architectures

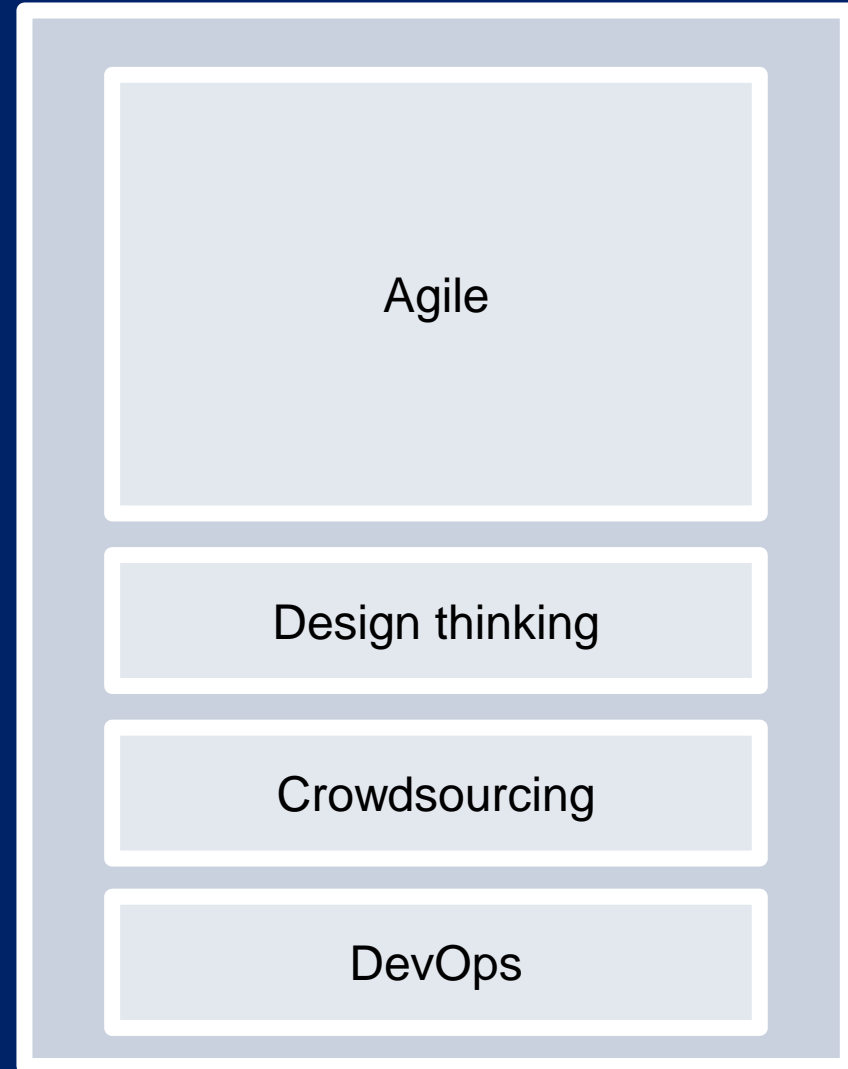
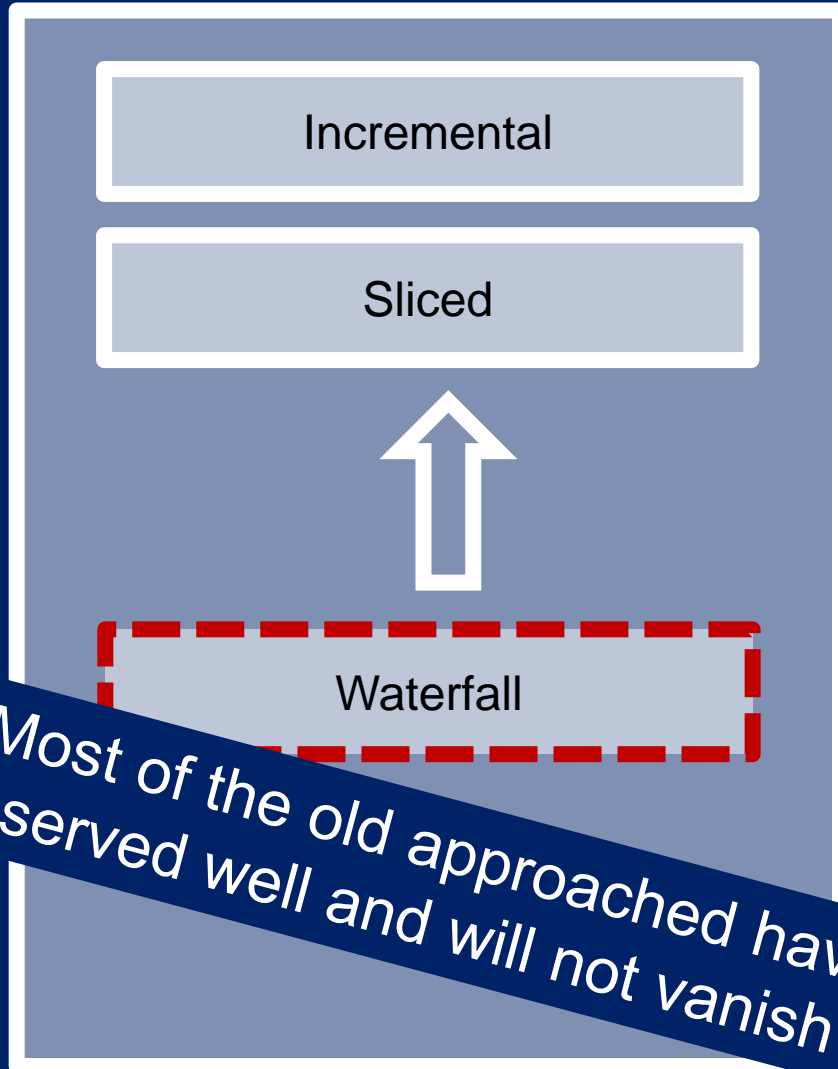


A world ruled by pre-defined patterns
(= boundaries)



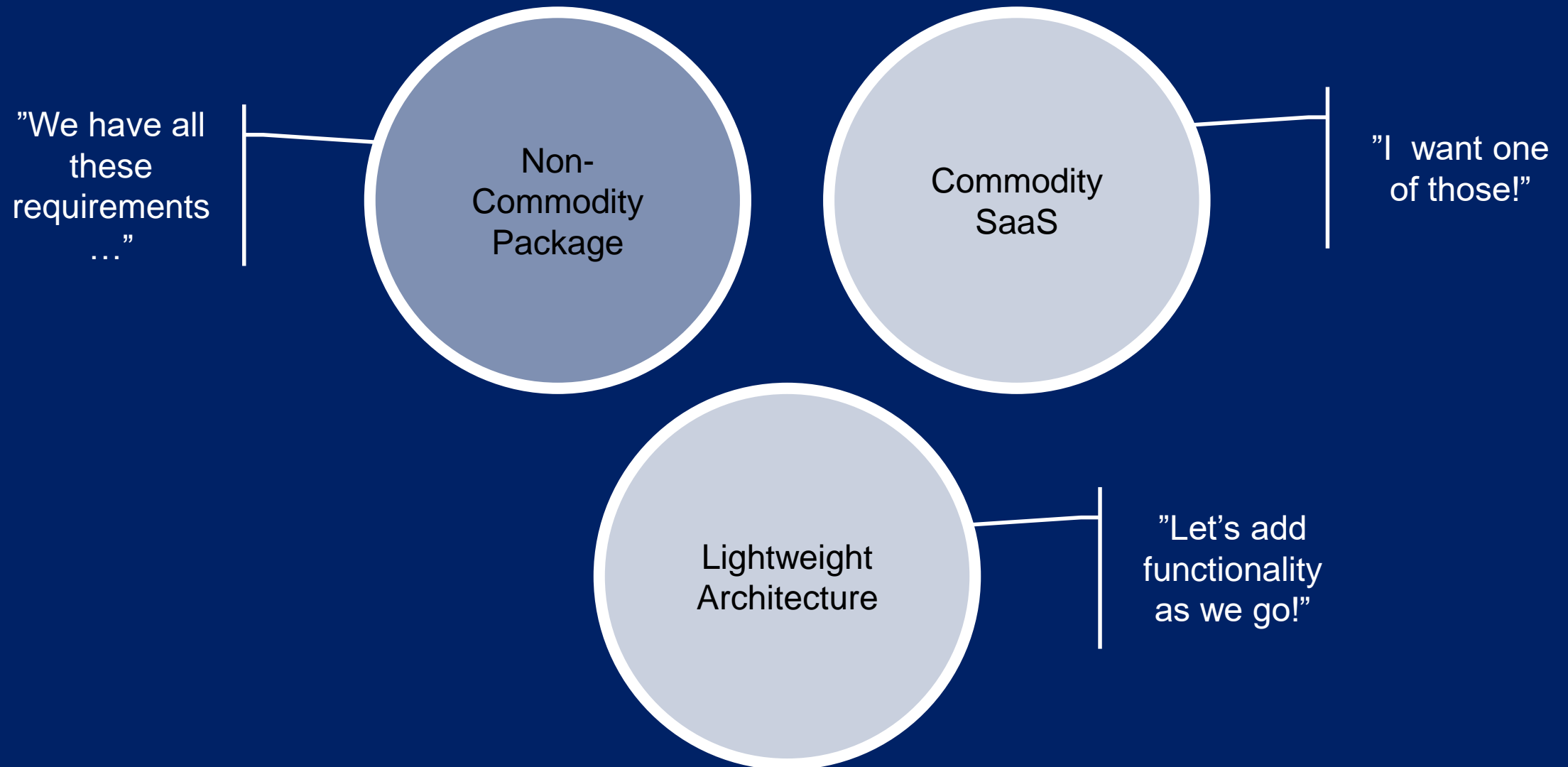
Technology sets no limits, so why should
we accept boundaries anymore?
Old school patterns are gone!

New Methods

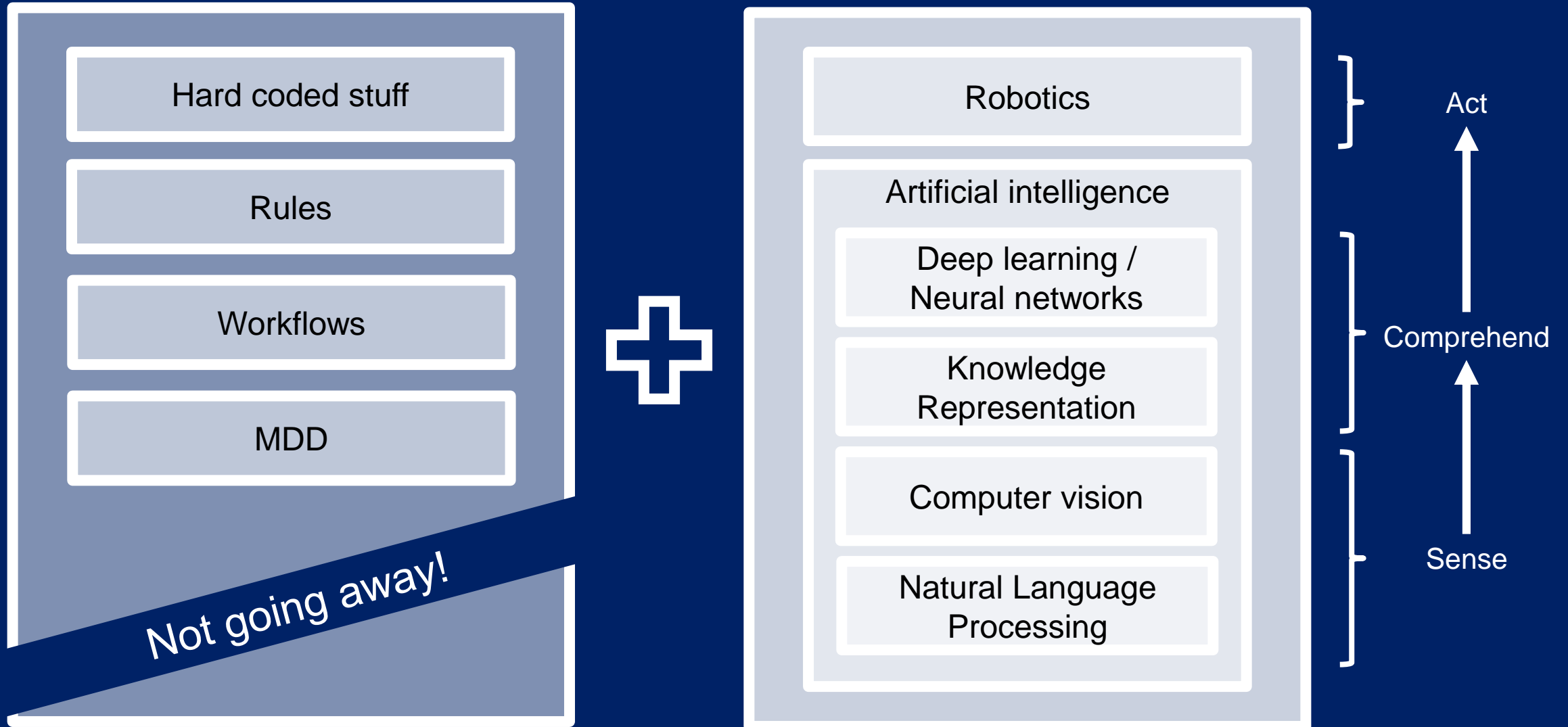


Most of the old approaches have served well and will not vanish

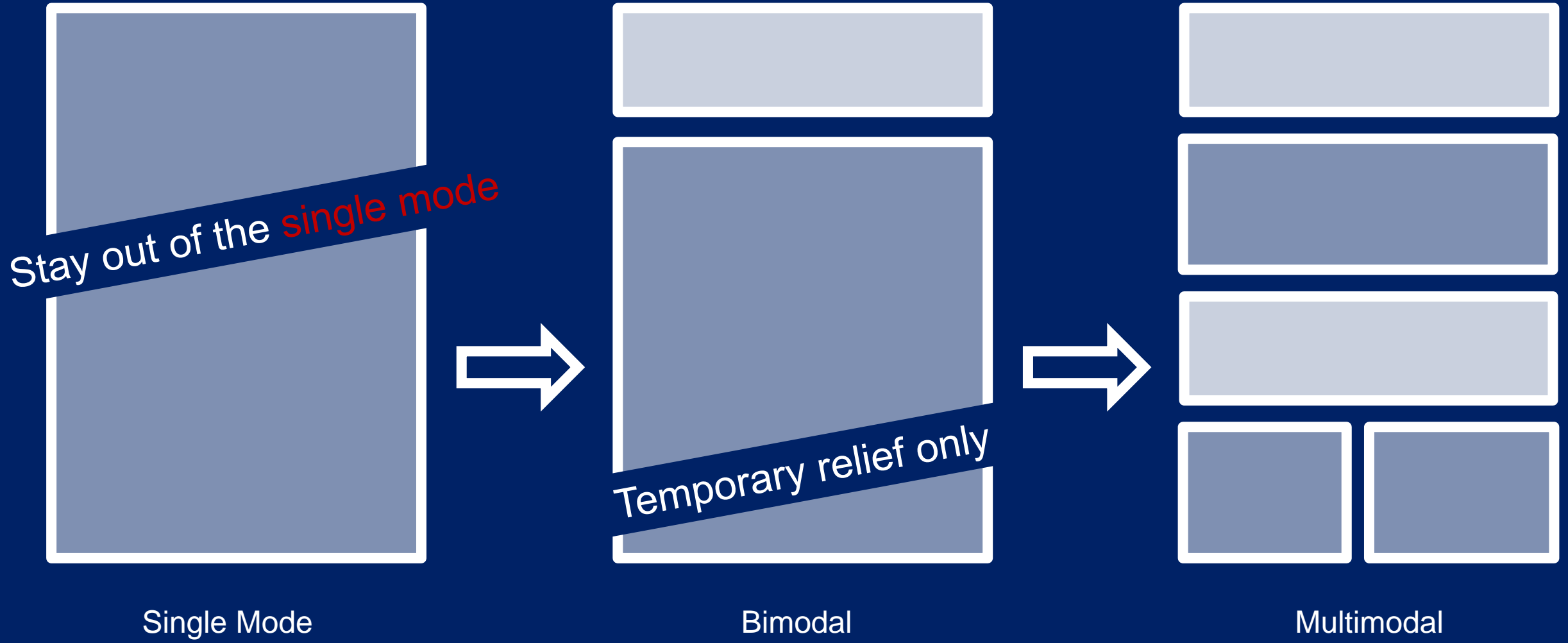
The 3 Approaches to Green-field Systems (But for How Long?)



New Levels of Automation



Proper Enterprise Architecture Thinking



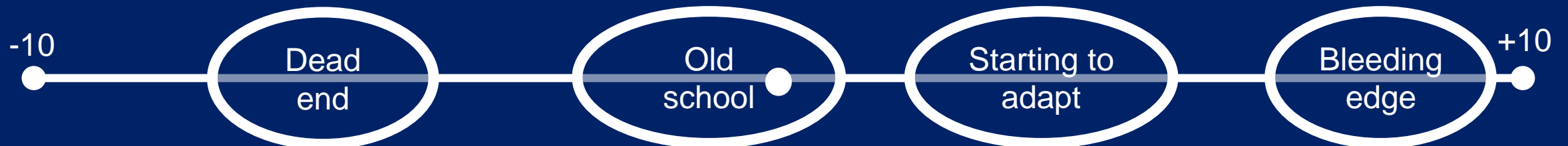
For Fun: What is the Level of NewIT in Your Project?

	SW Architecture
0	Non-commodity package
0	Modernization
0	Integration between back-ends
0	BI / Analytics
+1	Commodity SaaS
+1	Lightweight Architecture
-4	None of the above
-4	"The wrong box"

	Enterprise Level Architecture
-1	Single Mode
+1	Bimodal
+1	Multimodal

	More Automation
0	Old school automation
0	Robotics
+1	Artificial Intelligence

	New Methods
-1	Waterfall
0	Incremental
0	Your true and trusted approach
+1	Agile
+1	Crowdsourcing
+1	Design thinking
+1	DevOps in non-prod
+1	DevOps in prod



Accenture Liquid Studios

Innovation and Design Thinking Workshops

Ideate with studio residents.

Emerging Tech Experimentation and Prototyping

Accelerate solutions for the Internet of Things and wearables.

Rapid Application Development

Build applications in days using liquid architecture principles, cloud infrastructure and modern delivery methods.

Product and Platform Engineering

End-to-end services to launch, scale and operate software products and platforms.

Application Modernization

Bring existing applications onto new architecture platforms and migrate to cloud.

Architecture Assessment

Assess and create a roadmap to modernize architecture.

Cloud Migration

Migrate applications and infrastructure to PaaS, IaaS or a virtualized infrastructure.

Intelligent Automation

Apply robotic process automation, analytics and artificial intelligence to dramatically reduce cycle time.

Thank You!

