

Innovation through Digital Modernization

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**NASH
TECH**

The Power to Innovate

OUTLINE

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Digital Modernization is more than an update ...

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The top Technologies being considered in Digital Modernization

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DIGITAL MODERNIZATION IS MORE THAN AN UPDATE ...

Digital Modernization is the practice of upgrading or adopting **new technology** systems, platforms and software solutions to **meet** the needs of **today's organizations**.



2 Trillion \$

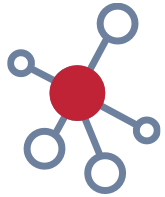
By 2022, spending in Digital transformation / Modernization



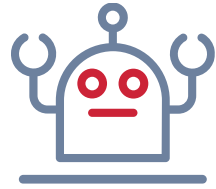
10% Revenue

Annually, To fuel digital strategies

THE TOP TECHNOLOGIES BEING CONSIDERED IN DIGITAL MODERNIZATION



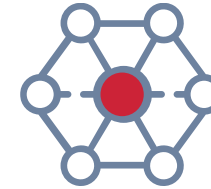
Mesh App &
Service Architecture



Robotic Process
Automation



Conversational
Systems



Blockchain



AI & Advanced
Machine Learning



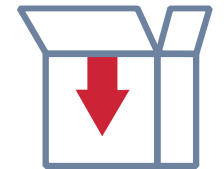
Adaptive Security
Architecture & Digital Privacy



Digital Reality



Internet of Things
(IoT)



Everything as
a service

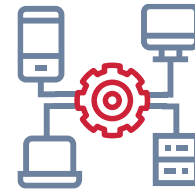
CHALLENGES OF APPLYING THE NEW TECHNOLOGIES



Limited proven
business cases



Covering the legacy
technologies



Technology complexity
& too diverse



Caution in funding new
investment

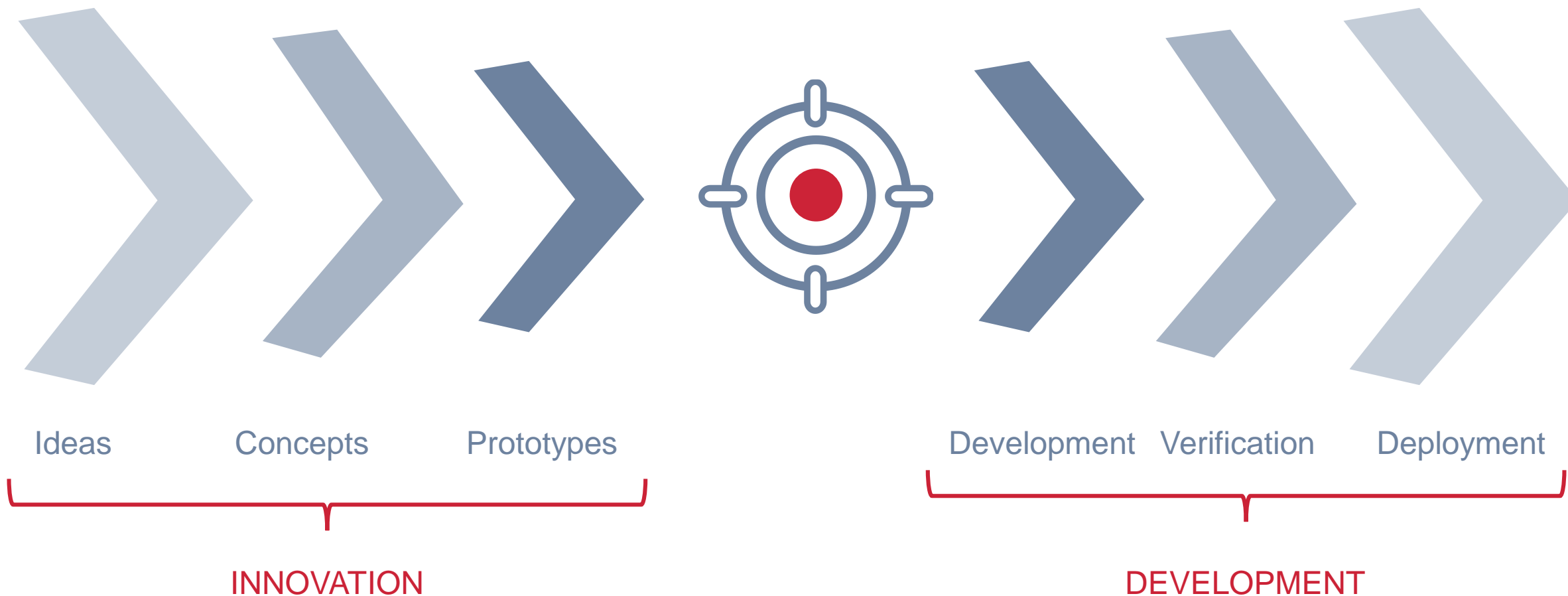


Uncertainty



Limited experience to turn
data into valuable insights

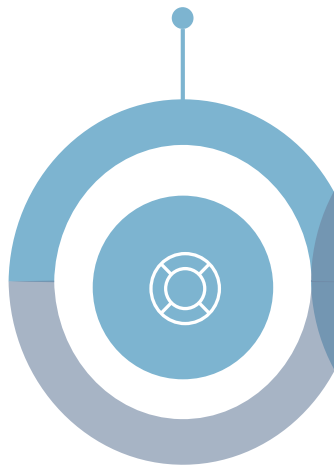
COMMON APPROACH APPLYING THE NEW TECHNOLOGIES



OPTIONS FOR MODERNIZING

Use the features and value of existing applications, making them available as services

Encapsulate



Leave applications nearly as they are, adapted to a new platform

Re-Platform



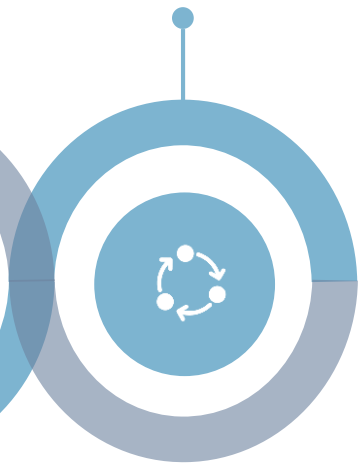
Find new and better capabilities for applications with a complete shift in code

Re-architect



Take new business requirements into account and build from the ground up

Replace



Rehost

Move components to a new physical or cloud infrastructure

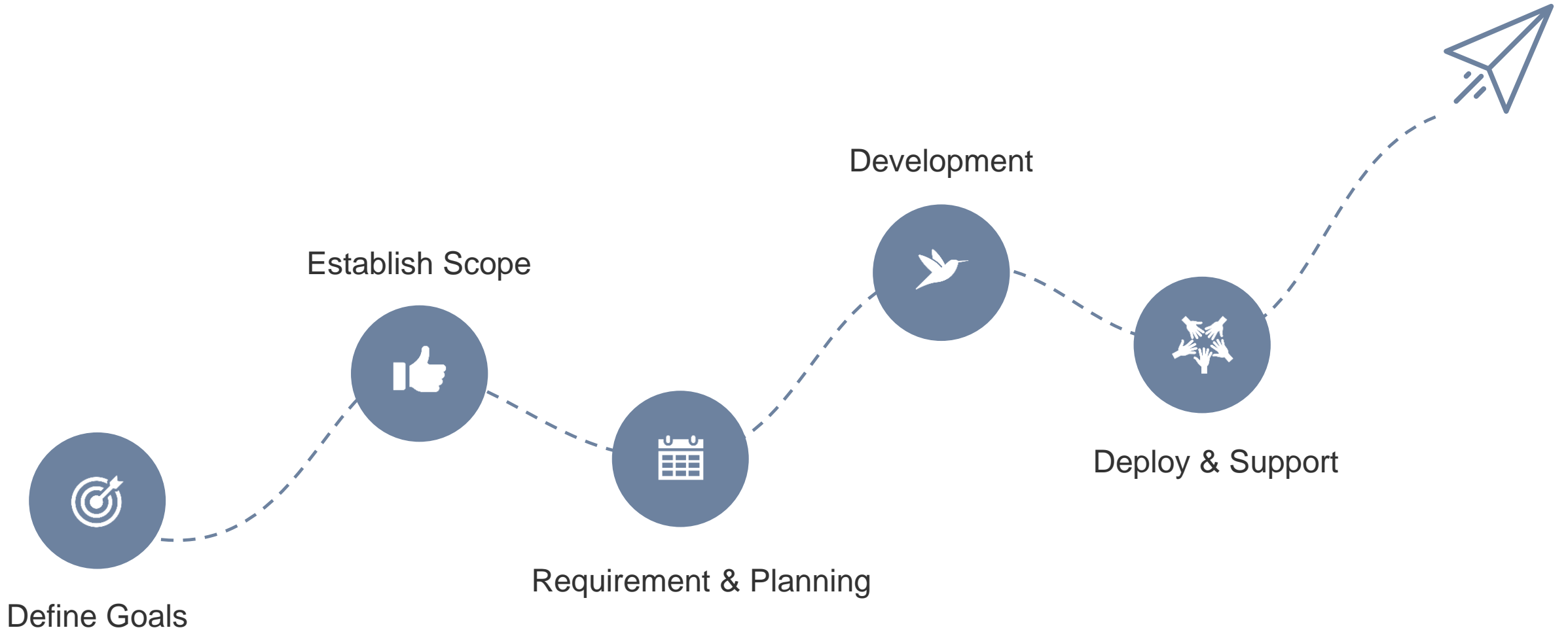
Refactor

Optimize existing code on the backend without changing front end behavior or features

Rebuild

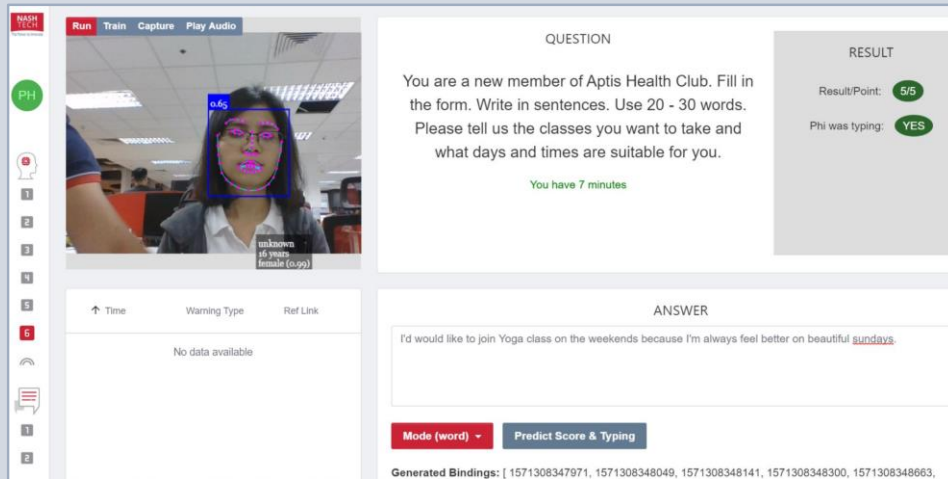
Build new applications from scratch but with a similar function and scope

MODERNIZATION PROCEDURE

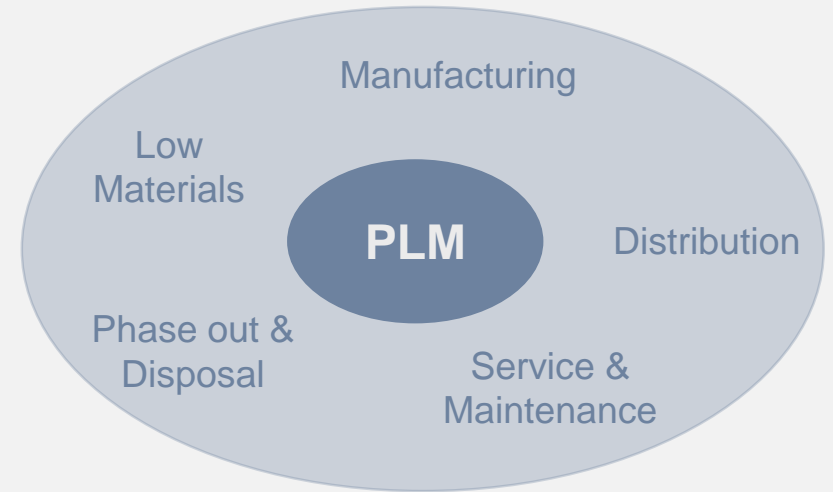


SAMPLE ENGAGEMENT

Adopting emerging technologies for disruptive business services



Applying AI in Online Training System ...



Applying Blockchain in PLM ...



Singapore

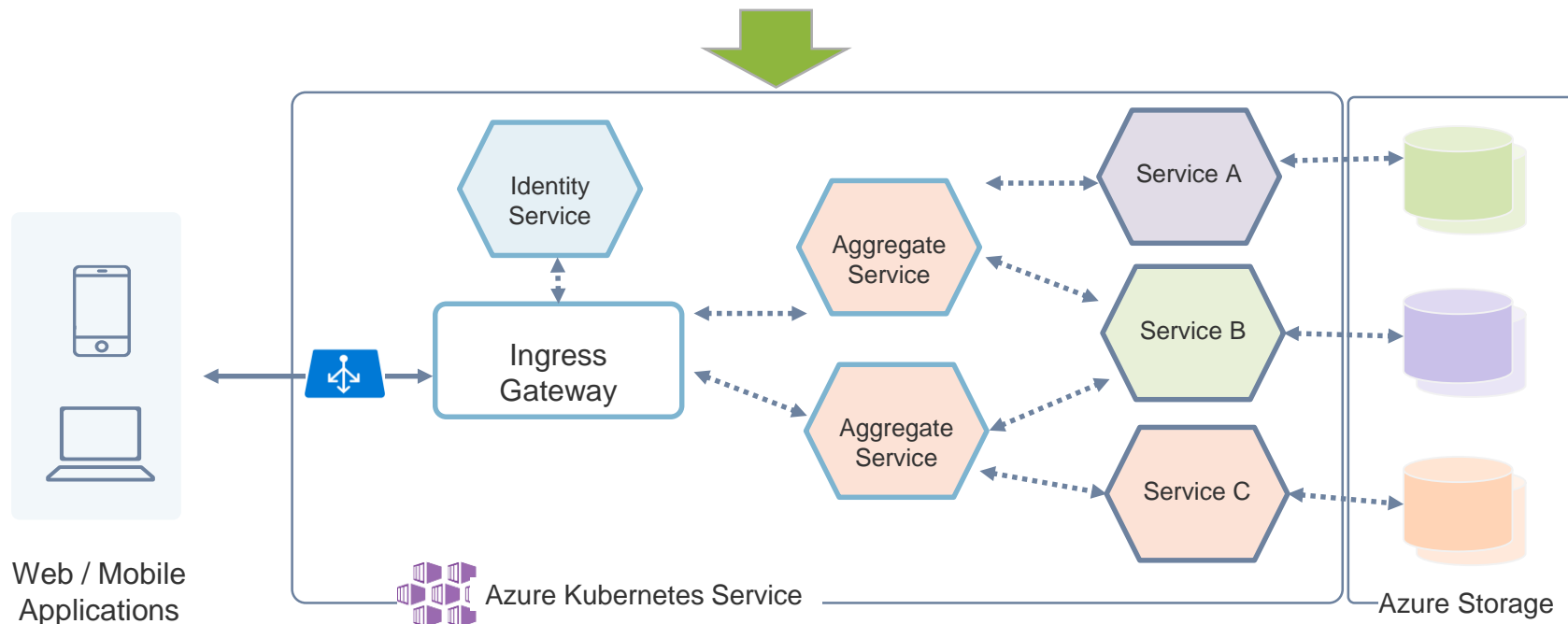
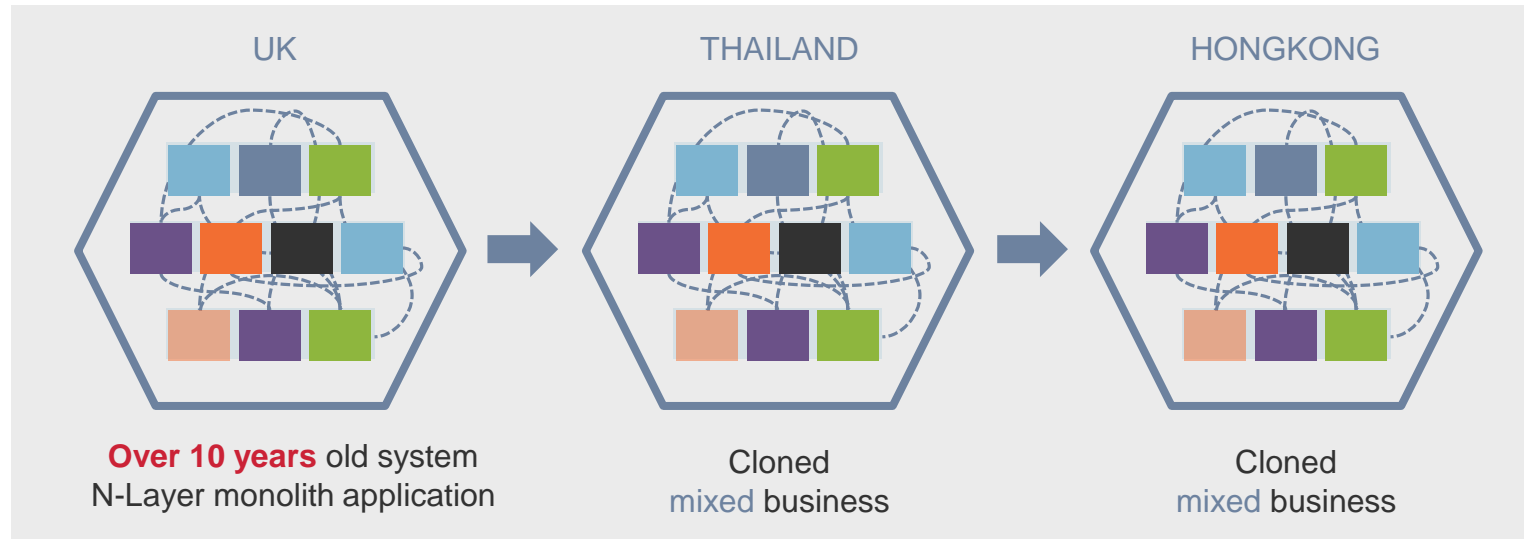
Vietnam

Applying Digital Reality in Construction Industry ...

Applying RPA & Conversational bots ...

SAMPLE ENGAGEMENT

Re-architect sample...



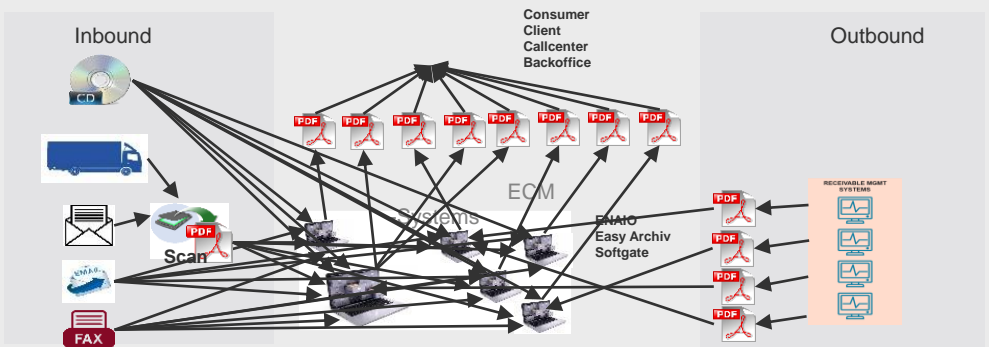
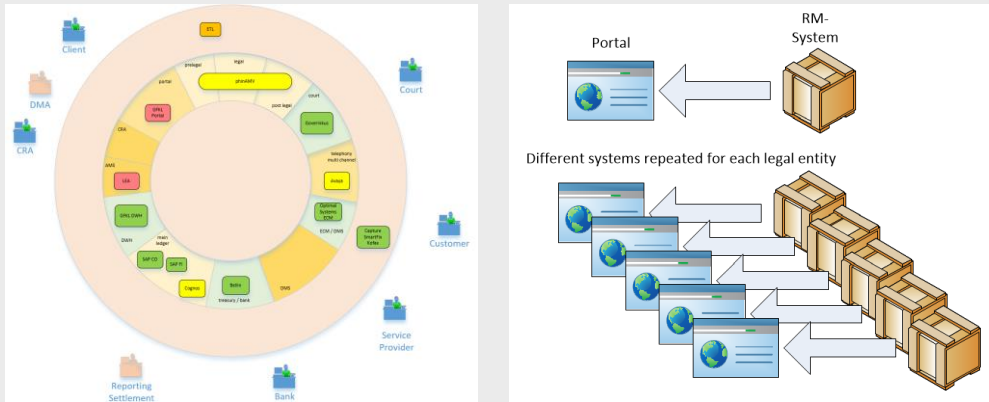
- **6** months to launch for new market
- Too many **errors**
- **Scary** deployment time
- **Hard** to maintain

- **One-Click** to launch for new market
- Better **quality** control
- **One-Click** deployment time
- **Easy** to maintain

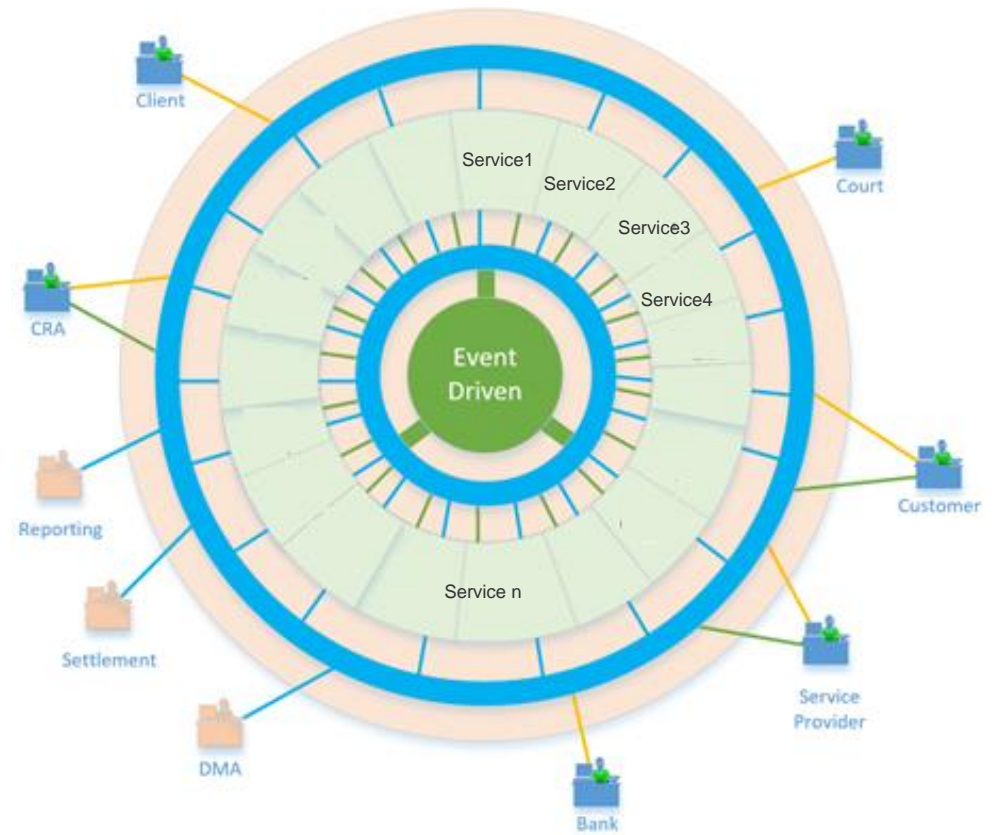
SAMPLE ENGAGEMENT

Transforming & Replacing ...

As-IS



Expected



Old legacy systems are getting **transformed** into and then **replaced** by a new System



THANK YOU

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