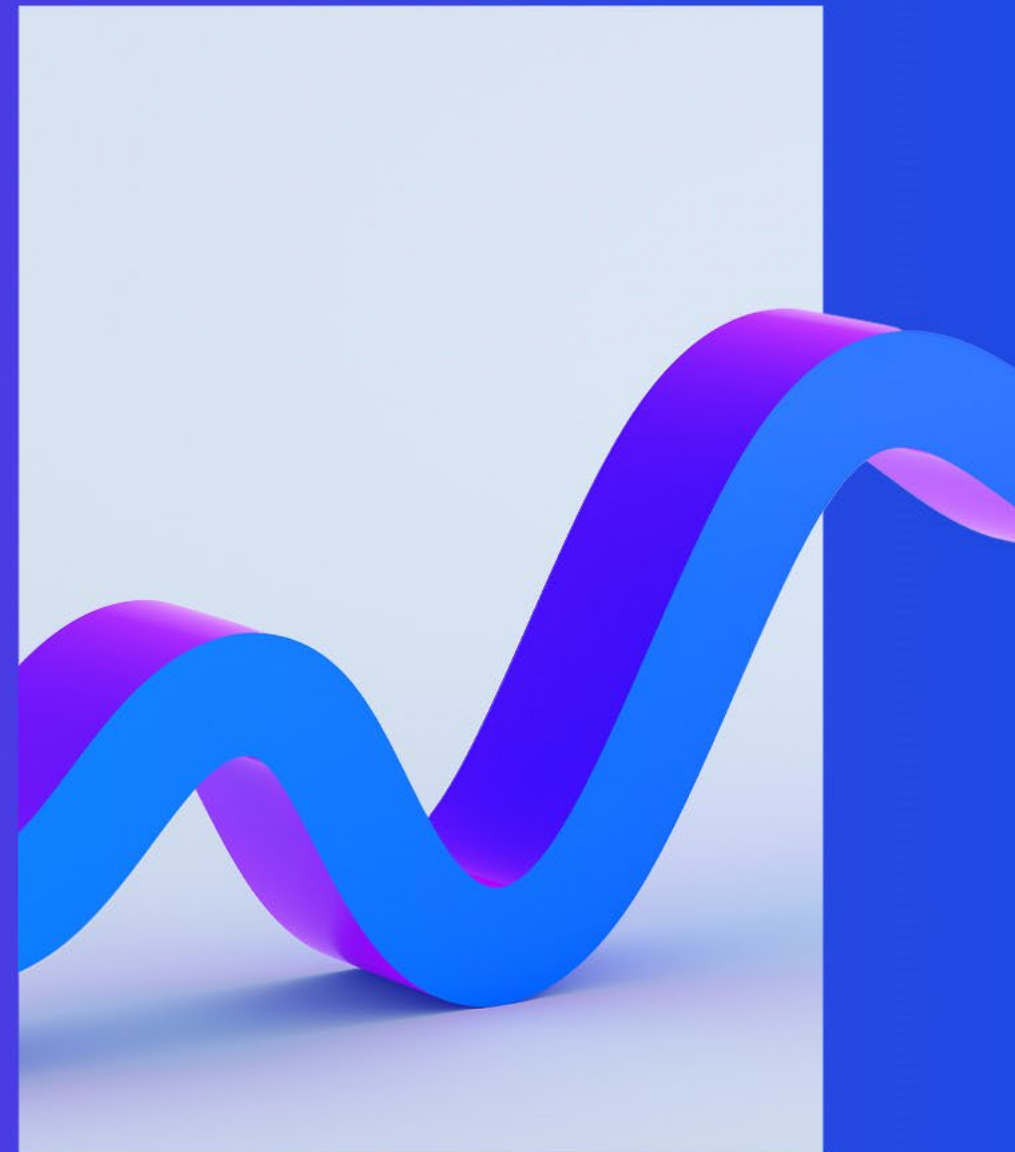




# The power to innovate through software Intelligent Automation

April 2023



# KPMG Lighthouse

Our Digital Lighthouse and Ignition network provides many of the core technical skills across Low-Code, RPA, AI, Analytics, and Innovation

23 local Lighthouses established, with another 11 in progress

Insights Centers established or in development globally, which bring our AI solutions to life

 23 + 11

 20



2022 Investment for AI, Analytics, and Automation across Global and US to support R&D, and deployment of platforms and solutions

 \$80+ M

Automation Delivery Employees in Advisory globally

13,000

Dedicated AI Experts & Data Scientists

3,800+

Low-Code Technology Expert\* Employees globally

1,000+

\*Employees with certifications or significant experience in Appian, Outsystems, Pegasystems, and/or ServiceNow

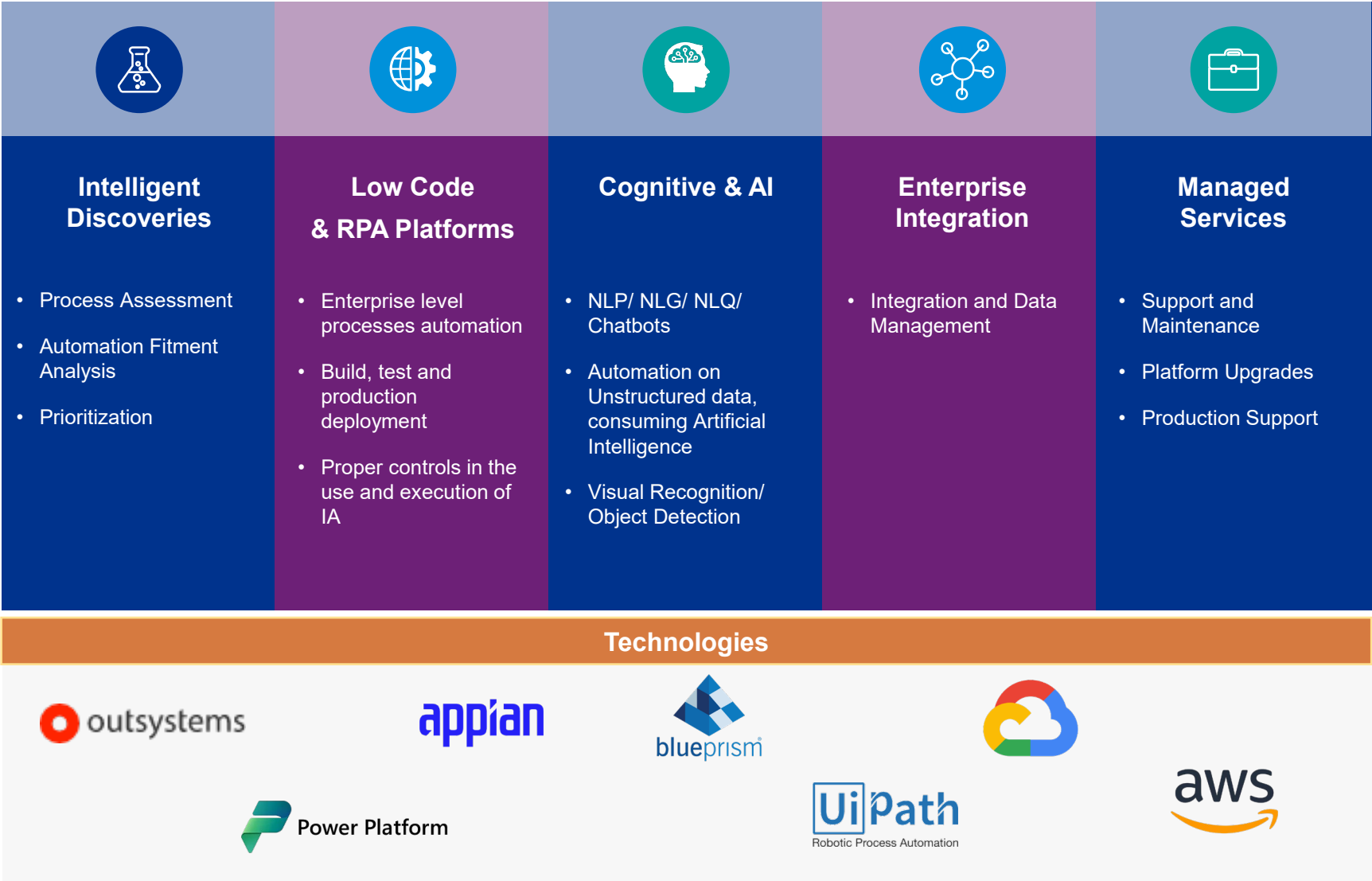


# We believe the future of Intelligent Automation will...

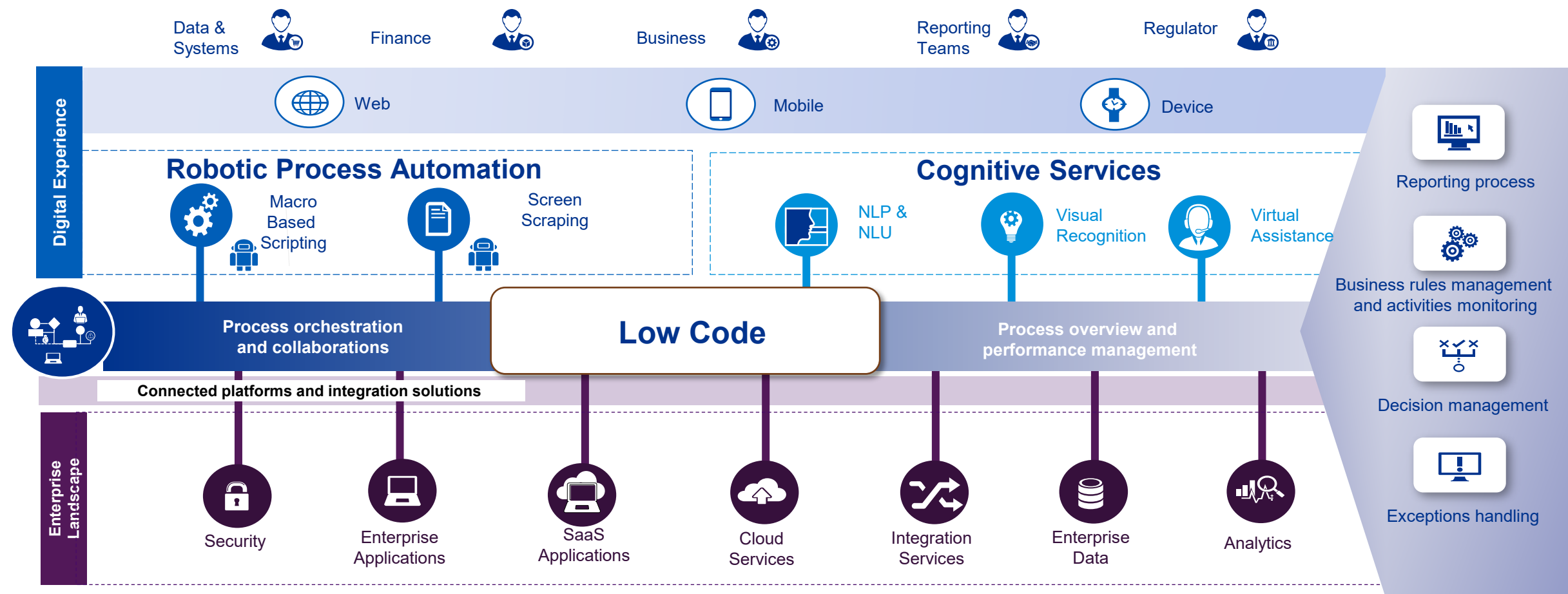


**IA-driven transformation permeates the entire enterprise**

# Intelligent Automation – what we do



# Intelligent Automation – our vision





# Focus - What is Low-Code?

```
6 'use strict';
5 var multimatch = require('multimatch');
4 var findup = require('findup-sync');
3 var path = require('path');
2 var resolve = require('resolve');
1 var guttil = require('gulp-util');

1 function arrayify(e1) {
2   return Array.isArray(e1) ? e1 : [e1];
3 }

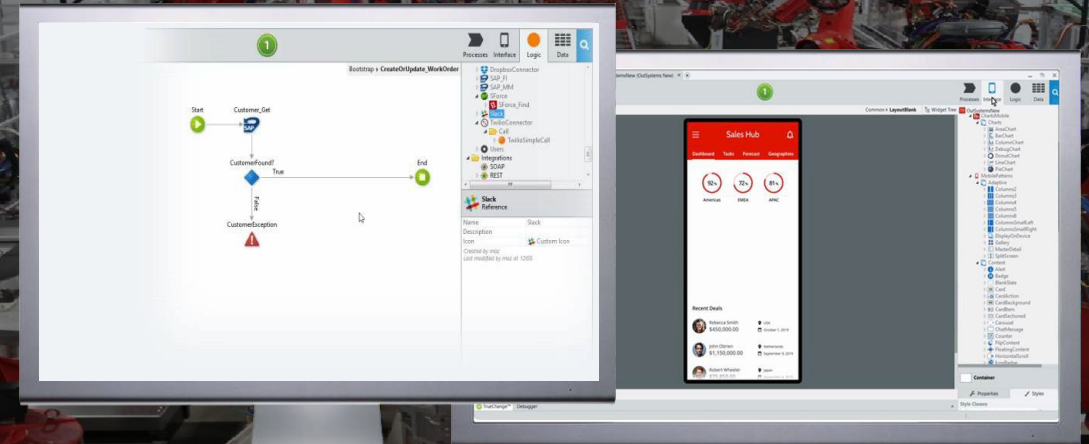
5 function camelize(str) {
6   return str.replace(/-([a-z])/g, function(m, p1) {
7     return p1.toUpperCase();
8   });
9 };

10 module.exports = function(options) {
11   var finalObject = {};
12   var configObject;
13   var requireFn;
14   options = options || {};
15 }

~/git/gulp-load-plugins/index.js [javascript.jsx]
"index.js" 131L, 3958C written
```

## Traditional Development

( Manual (Human error), Slow, Resource Intensive )



## Low Code

( Automated, Standardized, Fast, Optimized )

# What is Low-Code?

Low-Code is an **app development approach**. It combines tools that simplify the entire development process to enable accelerated delivery of business applications. Low-Code requires **little to no coding** skills.

It's a visual approach to software development such as graphical user interfaces, drag-and-drop options and point-and-click interfaces that can be applied **without having to write traditional code**. That in combination with numerous out-of-the-box accelerators (e.g., BI module, workflow engine, etc.) allow organizations to build **better** enterprise grade applications **faster** hence lowering the time-to-market of solutions.

Due to the **easy adoption**, Low-Code allows for **quicker** development and deployment of solutions with **easier** access to resources due to easier training, reskilling and upskilling of professionals vs. traditional development and thus enabling users to be **productive** quicker.

If set up properly, Low-Code programs can deliver **solutions** with limited involvement of IT departments, support improved collaboration, adopt **agile** ways of working, and reduce the IT backlog.

Low-Code **bridges** the gap between the IT infrastructure and the business users to fulfil their specific process requirements.

Low-Code gives organisations the flexibility to **reuse** solution components (e.g., SSO) in various applications reducing the total cost of ownership. Most Low-Code platforms offer multi-device experiences out-of-the-box, providing end users with a consistent experience on any device.

Additionally, 70% of users who had no experience before using Low-Code platforms **learned in one month or less** to develop meaningful apps. This allowed them to **quickly** build smaller scale applications for their departments themselves. A well-structured master data management as well as a sophisticated governance strategy are prerequisites for incorporating such apps into the organisation. Low-Code not only enables organisations to **solve distinct problems** like RPA (robotic process automation), workflow customization and business intelligence. It also allows for **maximum flexibility** in times of increased demand for digital transformation.

# Why is Low-Code Important?

## Advantages of Low-Code

Low-Code increases **agility** through tailored solutions for each company and department on a stable platform and provides a higher cost-efficiency through the utilization of citizen developers. The technology **reduces maintenance** and contains **flexible** roll out of updates due to the use of pre-built modules.

Gartner states that

up to **70%**

of all business applications will be developed through Low-Code platforms.<sup>1</sup>



Analysts predict that Low-Code will become the preferred software development method by

**2025.**



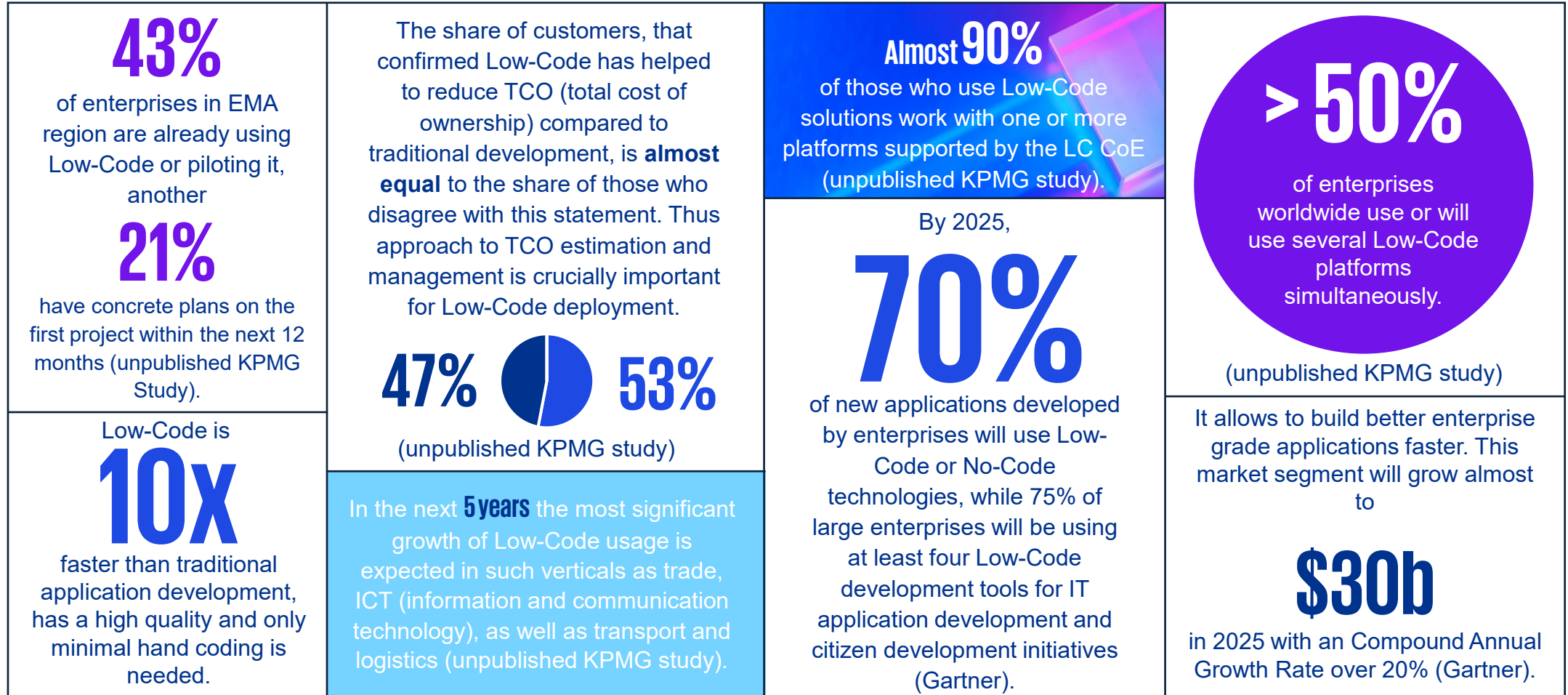
Low-Code supports **innovation** by speeding up development cycles. It is a gradual and modular replacement of legacy systems and delivers systematic workflow automation in a very short time. Filtered data insights allow for **easy accessibility**. Moreover, Low-Code reduces relevant administrative processes driven by Optical Character Recognition (OCR), Machine Learning (ML) and automation.



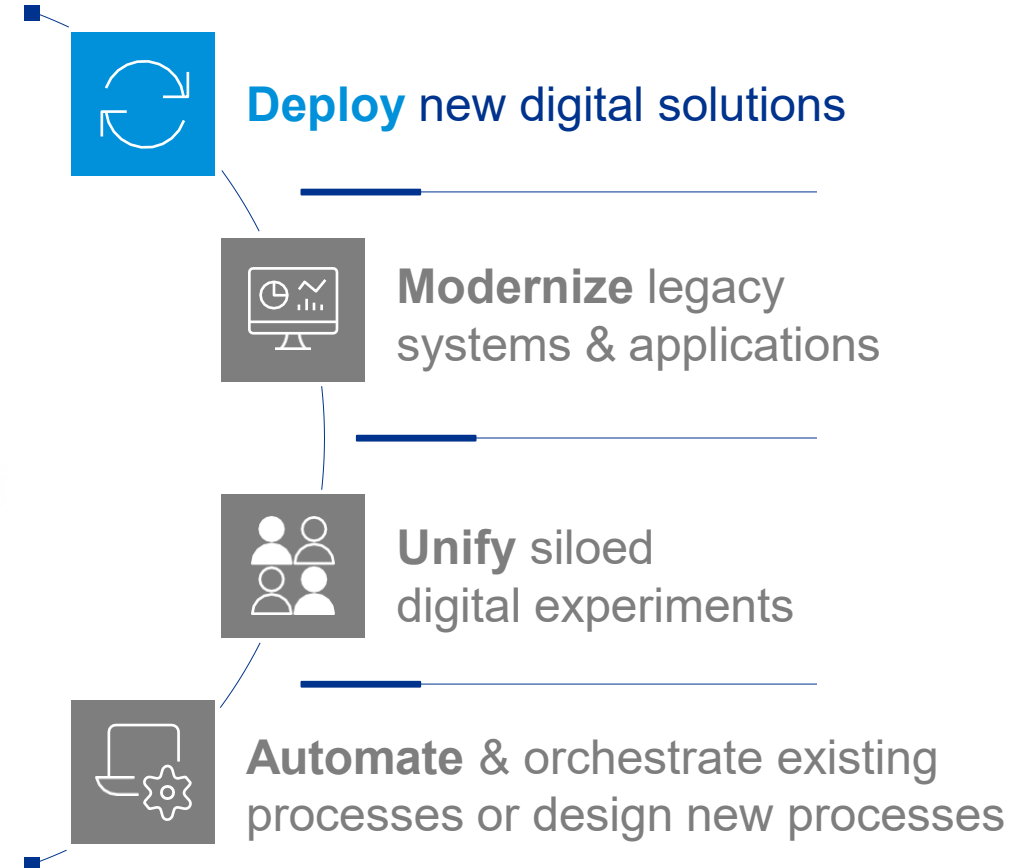
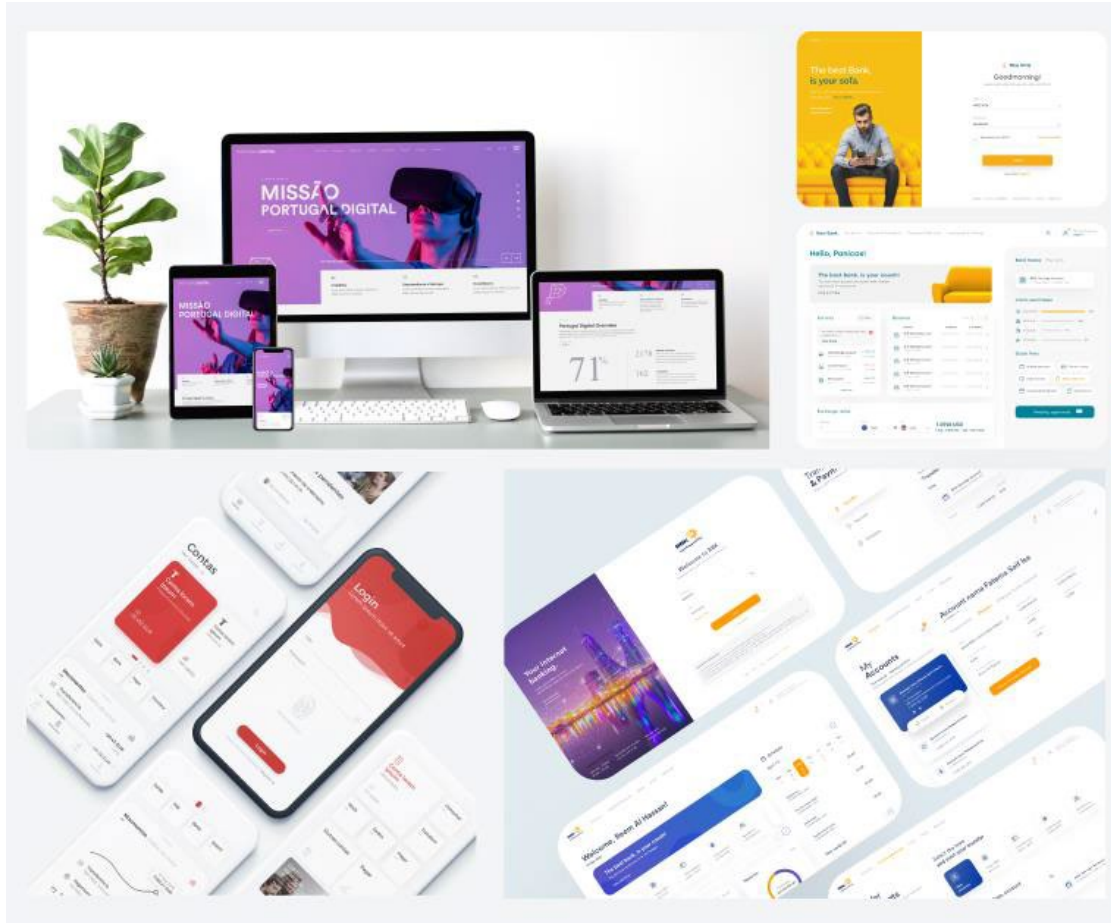
<sup>1</sup>Source: Forecast Analysis: Low-Code Development Technologies, Gartner, 22.01.2021



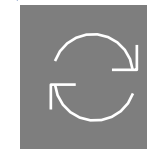
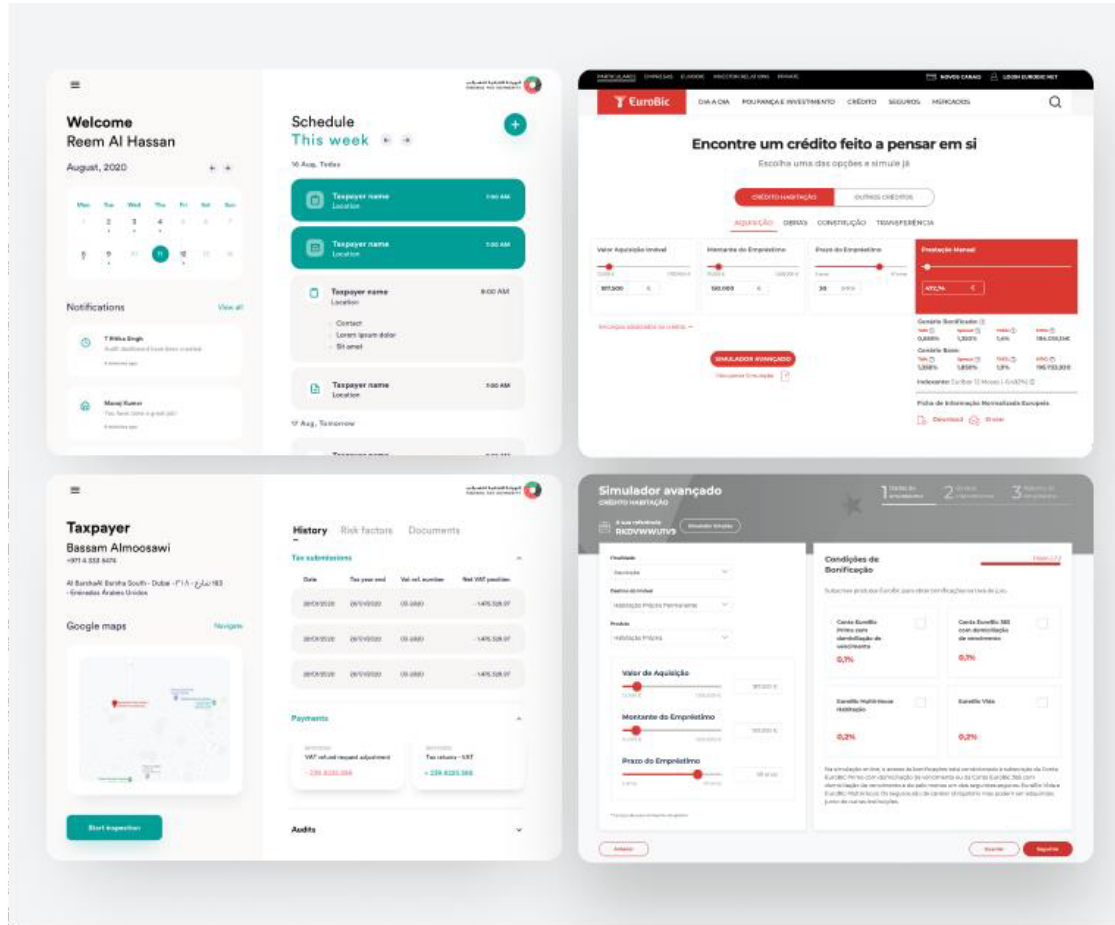
# Global Low-Code Trends



# Leading enterprises are adopting low-code to accelerate the digital journey



# Leading enterprises are adopting low-code to accelerate the digital journey



Deploy new digital solutions



Modernize legacy systems & applications

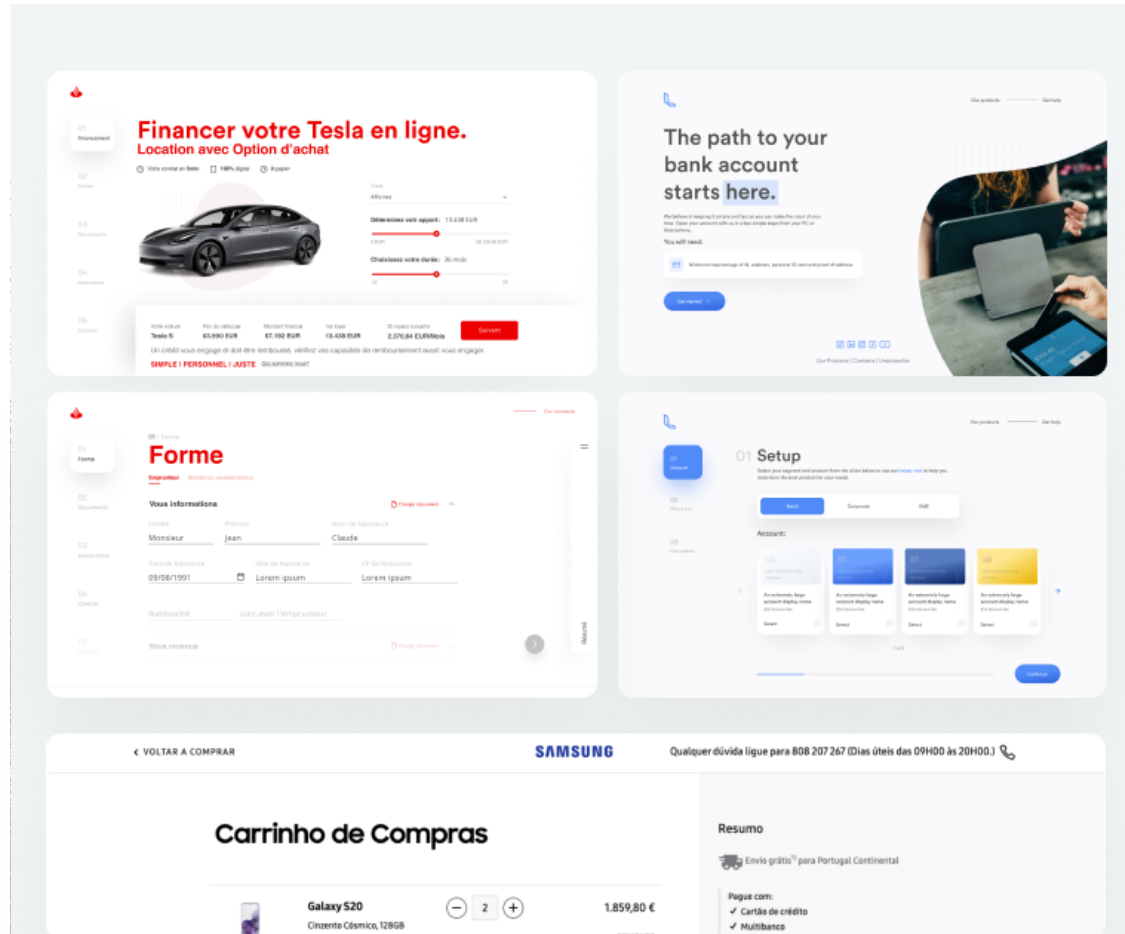


Unify siloed digital experiments



Automate & orchestrate existing processes or design new processes

# Leading enterprises are adopting low-code to accelerate the digital journey



**Deploy** new digital solutions



**Modernize** legacy systems & applications

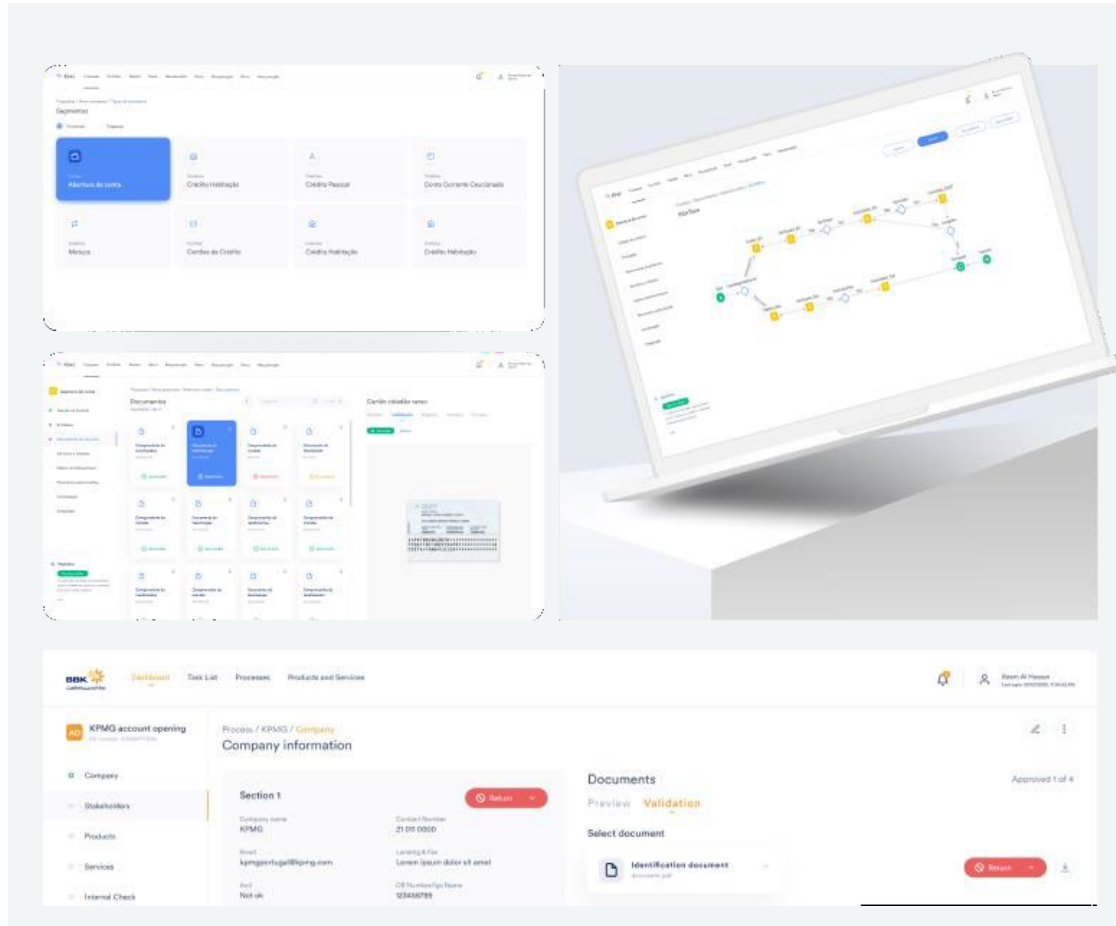


**Unify** siloed digital experiments



**Automate & orchestrate** existing processes or design new processes

# Leading enterprises are adopting low-code to accelerate the digital journey



**Deploy** new digital solutions



**Modernize** legacy systems & applications



**Unify** siloed digital experiments



**Automate & orchestrate** existing processes or design new processes



# Low-Code Landscape

## Niches and Functionality

### BPM / DPA Platforms

Business Process Management (BPM)/ Digital Process Automation (DPA) platforms offer advanced process and workflow automation capabilities leveraging visual process builders, business rule engines and case management abilities.



### Citizen Development Platforms

No-Code platforms enable business users to quickly deliver app-based solutions for simple business use cases using an interface that doesn't require coding skills.



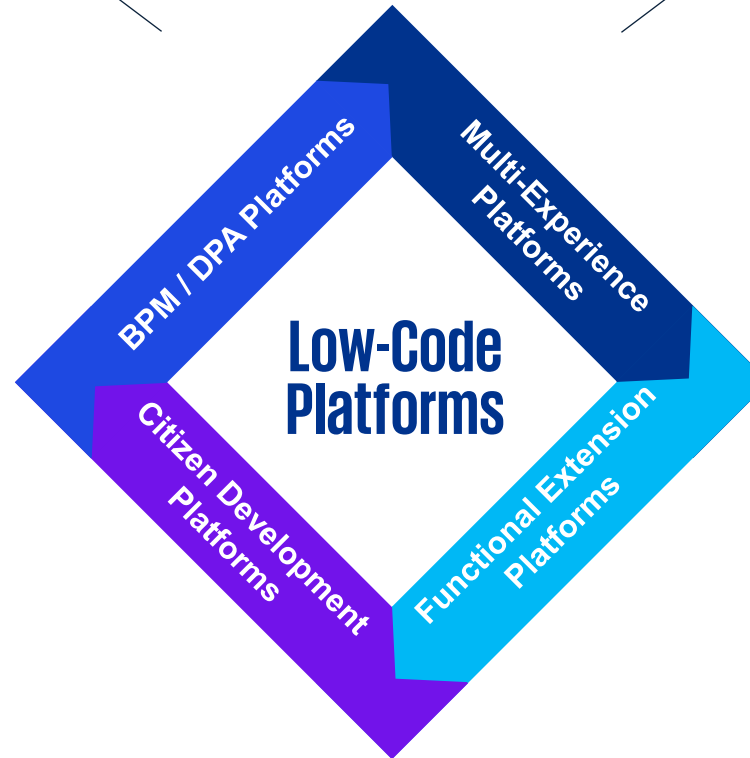
### Multi-Experience Platforms

Low-Code/Multi-Experience platforms enable a quick delivery of apps which can be deployed across multiple digital touchpoints with functionalities for AR/VR and other intelligent automation to drive feature-rich interconnected user experiences.



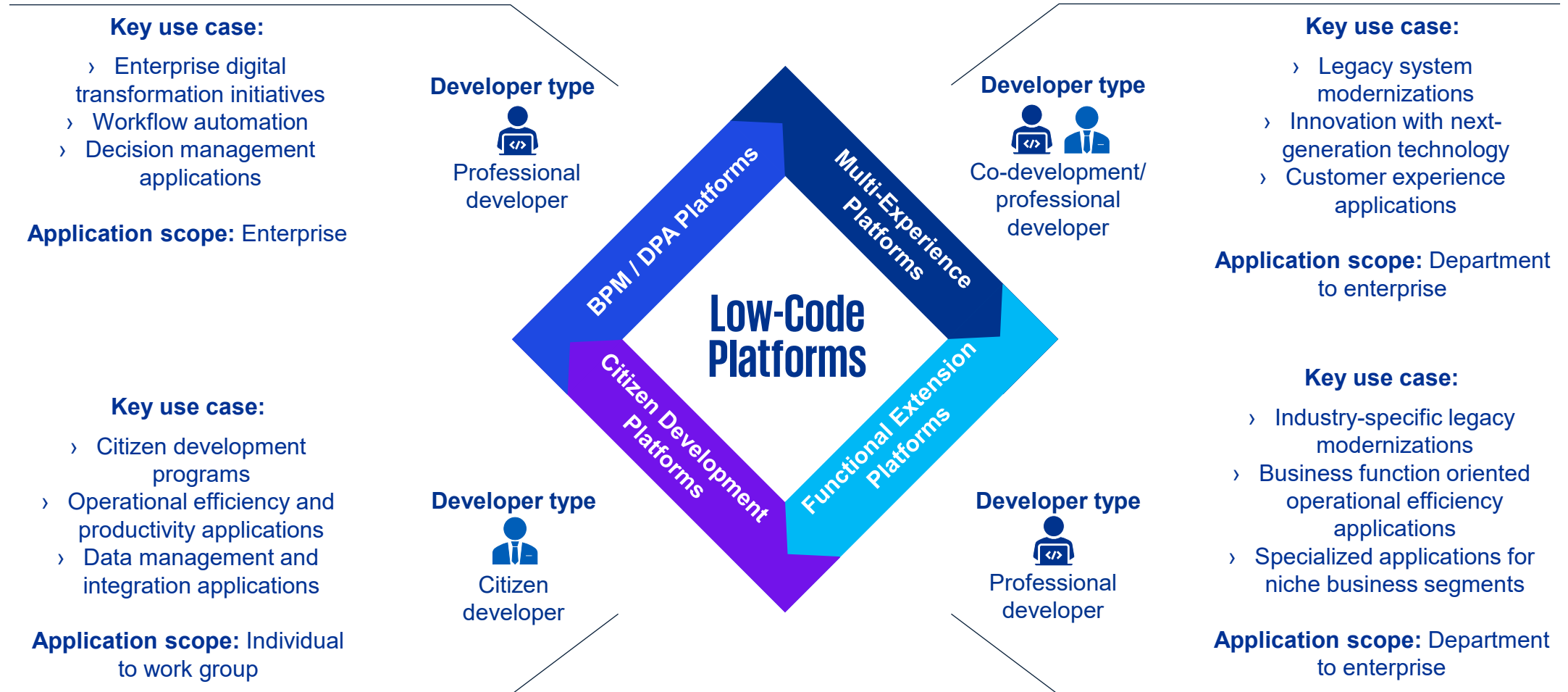
### Functional Extension Platforms

Functional extension Low-Code platforms are primarily used for developing and accelerating solutions to support business/industry-specific needs and use cases.



# Low-Code Landscape

## Capabilities



# Exercise

# Real Life Scenario

**ACME Co. is struggling with its workforce time report.**

Employees do not report on time (every week) their time spent on each work item as well their expenses (hotel, air and train ticket, meals and others).

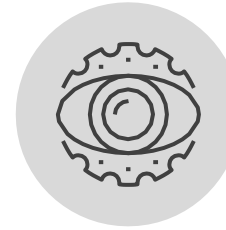
**ACME is asking SOFTWARE INC. to design and build an app** to collect time report for the employee via web and mobile leveraging its low code platform.

Split in 5 groups (7 people each) and design on powerpoint or better on DRAW.IO a **wireframe of the UX of the app** as well show the link between the different wireframes, in particular:

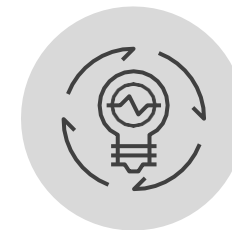
- **Home page for the employee**
- **Time report page**
- **Expense report page**

Show the result in a brief presentation of 5 minutes each

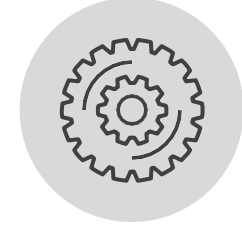
## Success Criteria



**Navigation  
between pages**



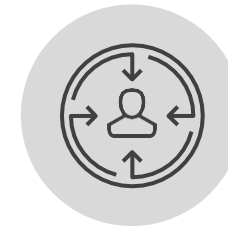
**Simple  
UI**



**Business  
Rules to  
check data**



**Deploy to any  
device**



**Time and  
Expense  
management**



**Built-in Security  
by default**



[kpmg.com/socialmedia](https://kpmg.com/socialmedia)

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