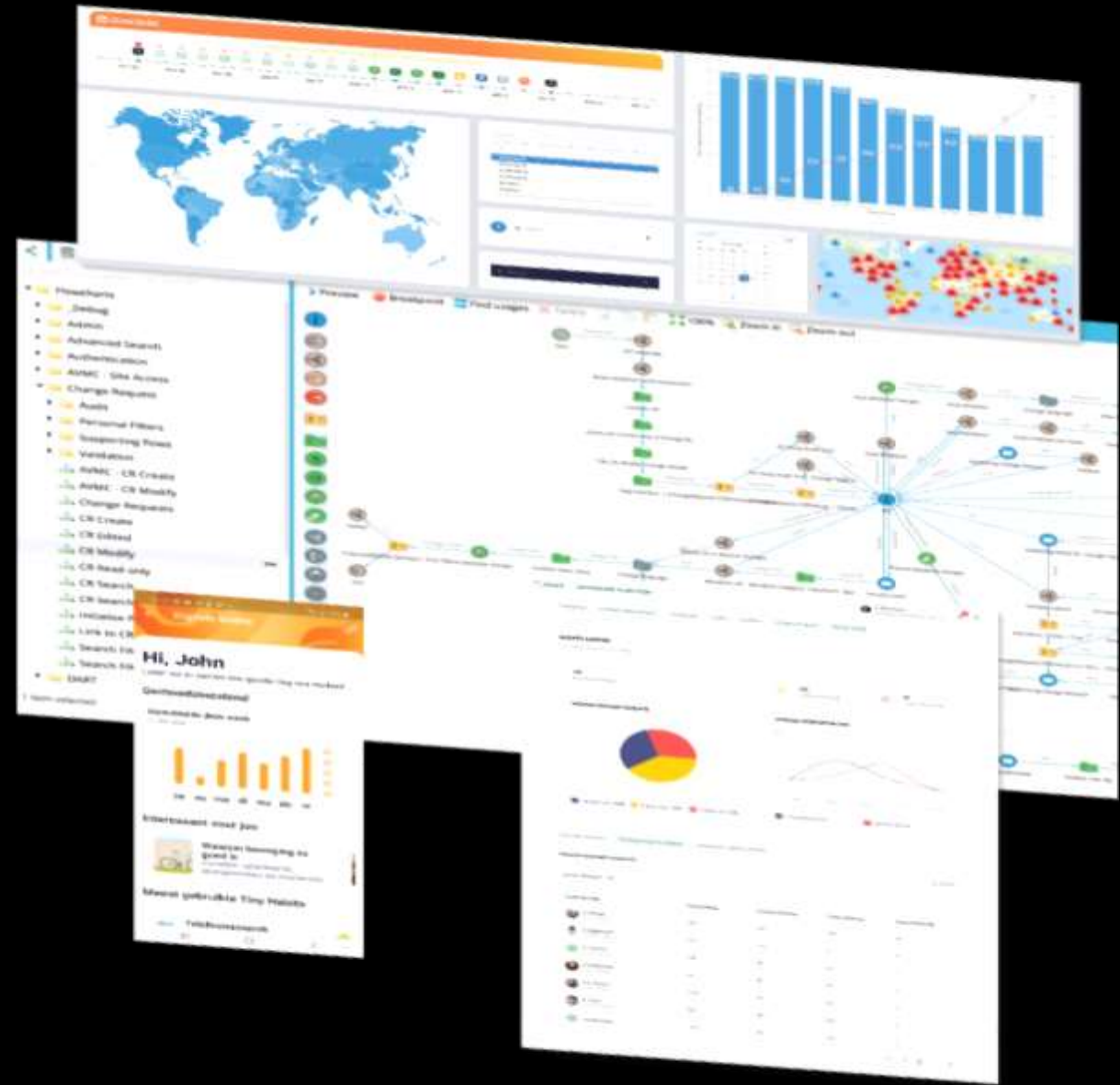




# S-Square - LowCode/NoCode (LC/NC) Enabling Technology Presentation

Jeff Friedman,  
VP, Sales & Customer Success

Version - 20221215\_V1



# Current Challenges in Traditional Application Development

## Long Development Timelines

- Custom development with standard SDLC processes
- Long incubation period before seeing a MVP
- Minor changes require long turn around time for design, build and testing.

## High Capital Expenditure and Operating Costs

- Investment in Software platforms and Infrastructure for custom development
- Higher support costs due to diverse support requirements

## Disparate Technology Landscape

- Multiple small projects using disparate technologies
- No uniform platform to manage small developments

## Developer Shortages

- Developer shortages and skill-set challenges
- Multiple small productivity projects get deprioritized

# 6 Generations of Programming Languages

First generation (1GL) - machine-level programming language used to program first-generation computers

Examples: machine-level programming languages

Second generation (2GL) - assembly languages. Examples: Assembly

Third generation (3GL) - more machine-independent (portable) and more abstract therefore more programmer-friendly than previous generations of languages

Examples: Fortran, COBOL, BASIC, Pascal, C, C++, Perl, Python, Java, JavaScript, Ruby, PHP, C#

Fourth generation (4GL) - include support for database management, report generation, mathematical optimization, GUI development, or web development. Examples: ABAP, Unix Shell, SQL, PL/SQL, Oracle Reports, R

Fifth generation (5GL) - any programming language based on problem-solving using constraints given to the program to make the computer solve a given problem without the programmer, rather than using an algorithm written by a programmer. Examples: Prolog, OPS5, Mercury

Sixth generation (6GL) - programming language based on visual development. The overall umbrella term for these is "NoCode". Examples: Appian, WEM.io, Bubble.io

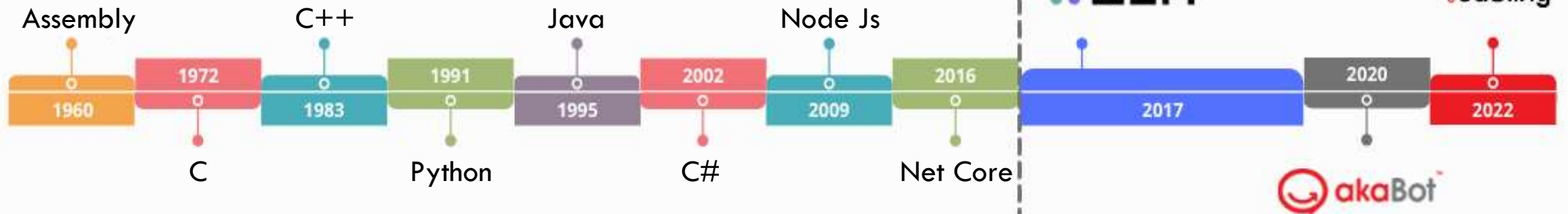
# Reinventing Software Development

## Traditional Coding

Requiring expensive, hard to retain code-linguists

## No-Code

Empowering transforming support to employ business-knowledgeable techno-functional resources



Traditional computer languages require programmers to translate their thinking process into code built for the CPU and memory

Optimized for how we humans think. Converting natural thinking process into working software



Digital Transformation.  
Legacy Modernization.  
Business Velocity.

80%

COST REDUCTION

Empowers employing business knowledgeable (techno-functional) resources instead of costly, hard to retain code-linguists to build, deploy and maintain secure scalable enterprise-grade software.

10%

FASTER TIME-TO-MARKET

View app development in real-time. Deploy and update applications with a single click. Deliver software 10 times faster than traditional programming methods.

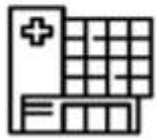
100%

ALIGNED TO BUSINESS

Translate innovative business ideas to custom software built with no code app builder at the speed of, and fully aligned with, business requirements.



Banks,  
Financial  
Services and  
Insurance >



Healthcare >



Telecommunication  
>



Education &  
Training >



Manufacturing  
>



Public Sector  
>



Automotive  
>



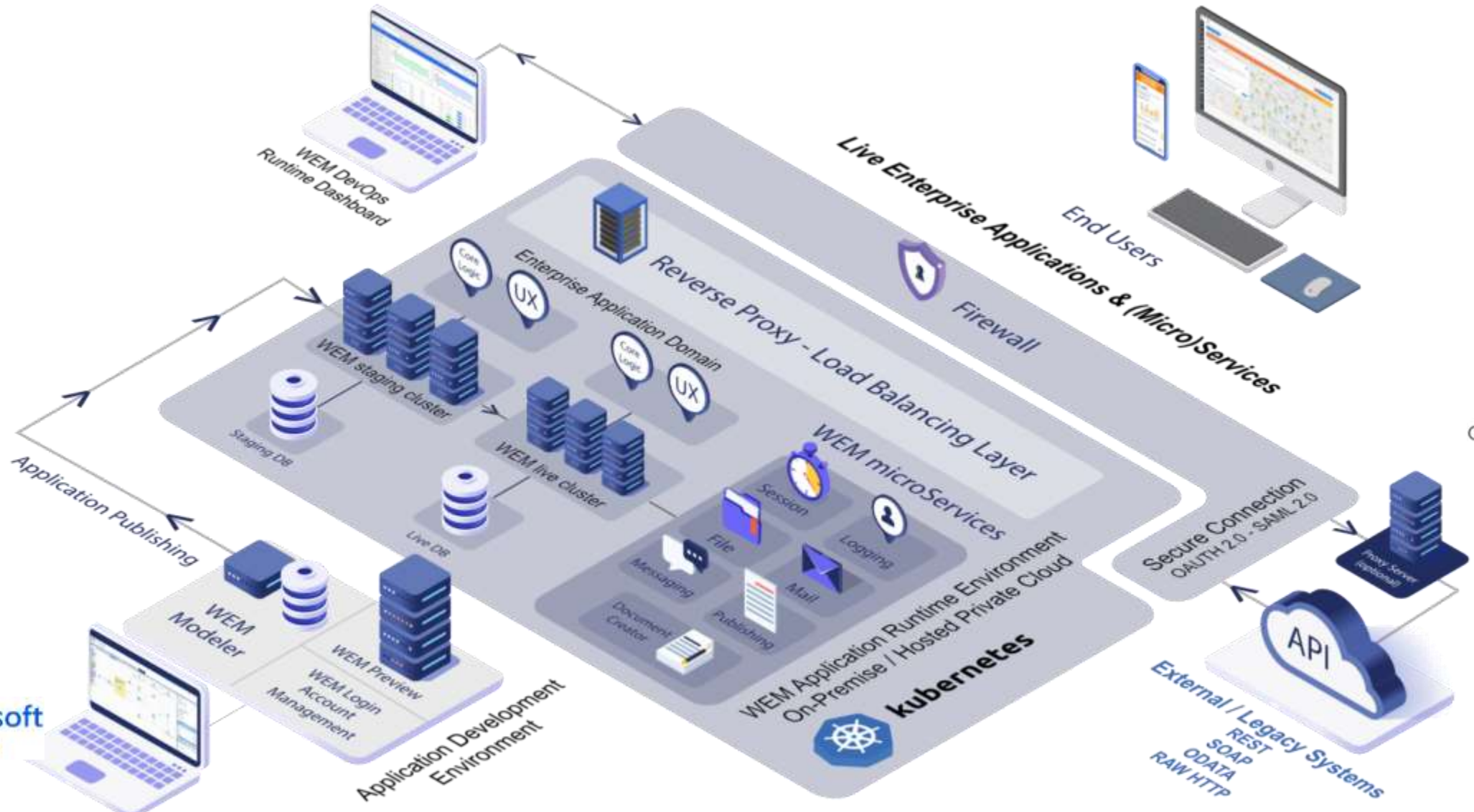
Real Estate  
>



# SCALABLE, SECURE CLOUD ARCHITECTURE



Google Cloud Platform



FLEXIBLE DEPLOYMENT OPTIONS FOR SHARED HOSTING, ON-PREMISE APPLIANCE AND PRIVATE APPLICATION CLOUD

# 3<sup>rd</sup> Party LCNC Marketplace Product Evaluation



Criteria	WEM	Betty Blocks	Power Apps	OutSystems	Mendix
Category	No Code	Low code	Low code	Medium to high code	Low code
Platforms	Web, native apps	Web apps	Web, native apps	Web, native apps	Web, native apps
Data Model	Drag & Drop	Visual Editor	Tables	Visual Editor	Visual editor
Visual Editor	Web-based	For backend apps	Web-based	Many designer	Web-based, desktop-based
Workflows	Drag & Drop	Action Modeler	MS Flow	Visual modeler	Visual modeler
Look & Feel	Custom templates	Custom js/css/html	Customizable	Custom js/css	Custom js/css
Environment	Public, private cloud, on premise	Public cloud, on premise	Public, private cloud, on premise	Public, private cloud, on premise	Public, private cloud, on premise
Release Management	Fully	Fully	Partially	Fully	Fully
Integration	All API standards	JSON, SOAP/REST	Office365, REST	SOAP/REST	SOAP/REST

# Use Case – Process Automation Network Change Management

This company is the largest telecom service provider in Thailand with a base of more than 41 million customers and has been in business for over three decades. They are committed to providing digital tools to respond to changing lifestyles. They provide a variety of telecom and digital offerings catering to the varying needs of the customers.

## PROBLEM

They wanted to develop a network change request management system. The whole change management process requires various steps and is a complex one, therefore it was being difficult for the company to carry it out manually.

## SOLUTION

We created an application for the network change request management system. The application built with WEM had all the levels of the process integrated into it. The application was capable of managing changes needing to be made to the network, allocating them to the vendor organization to perform the network changes and tracking the assignment until completion.

### CUSTOMER CHALLENGES

- Implementation of an already existing manual process system into an application.
- Integration was required to incorporate vendor organization system
- A tracking system was to be implemented which must show real-time updates.

### WEM ADVANTAGES

- **A complete transformation of manual process digitally**
- **Agile development, week to week results**
- **Cloud solution, accessible from anywhere**
- **Easy to extend the application**
- **Fast return on investment**



# Representative WEM Enterprise Customers



# Thank You

Jeff Friedman,  
VP, Sales & Customer Success

**S-Square Systems, Inc.**

4225 Executive Square Suite 600

La Jolla, CA 92037

+1 858-213-7063, +1 858-764-4441



**S-Square**

TRUSTED . TESTED . COMMITTED