

# The Low-Down on Low-Code

# Agenda/ Introductions

## Low-Code/No-Code Concepts

Peter Ransome : CEO REVTECH

“Art of the Possible”

The Microsoft approach with Power Apps

Real World Business Impact

NAVApp : Power Apps for managing the Homelessness Crisis

Anne Sprute: Founder and President REVTECH

# Low-Code Platform Impact

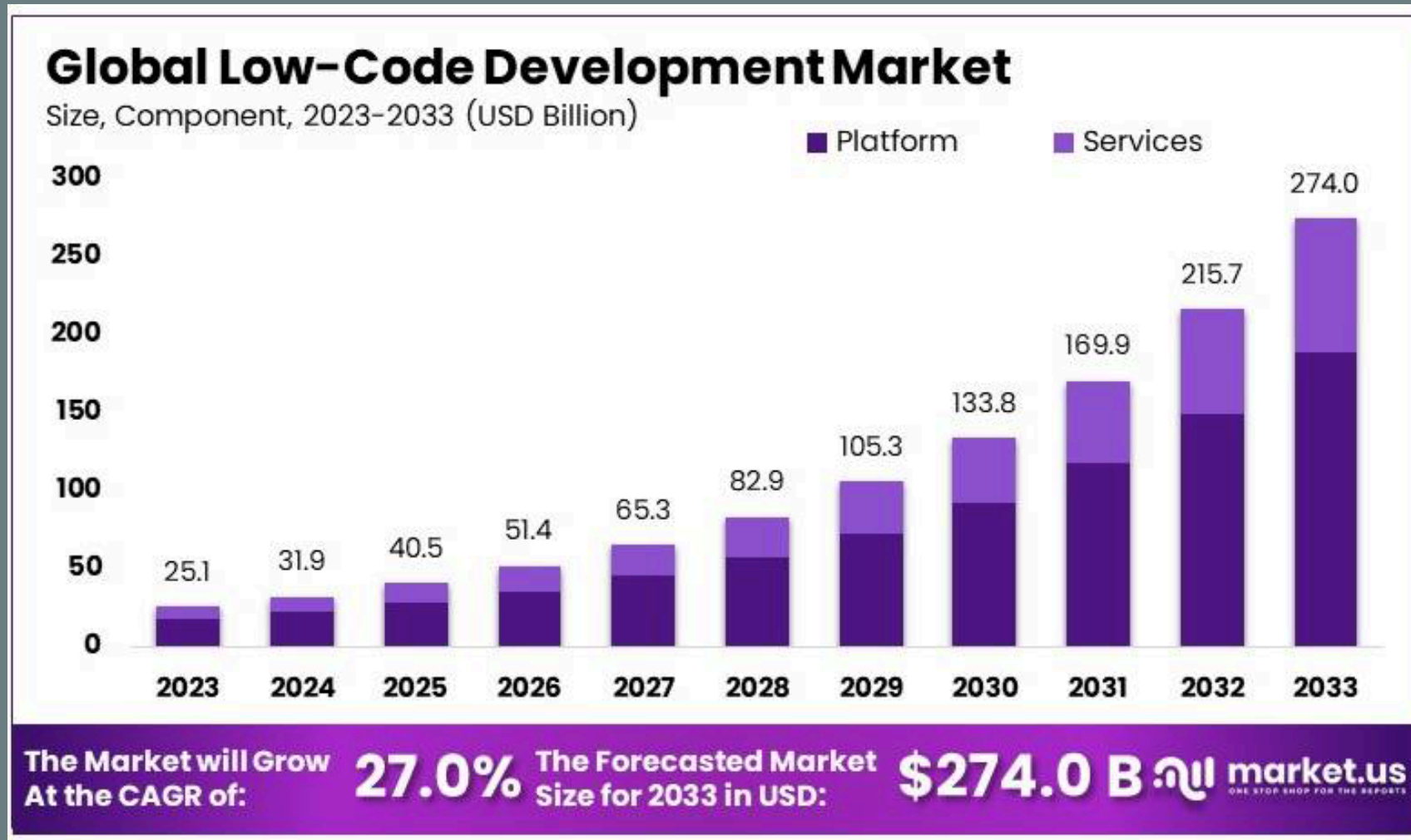
**Growing Adoption:** The adoption of low-code/no-code platforms is rapidly increasing, with a projected market growth rate of over 20% annually as organizations seek to streamline their development processes.

**Wider Range of Tools:** The proliferation of these platforms means more options for citizen developers, leading to greater adoption and experimentation.

**Summary:** the impact of low-code and no-code software on citizen developers is profound, driving innovation, efficiency, and engagement across organizations.

# Low-Code Platform Growth Projections

REVTECH



# It's a New Day and there is a New Way

## Significant Financial Impact on Organizations

- Drastically reducing development costs
- Accelerating time to market for new applications
- Optimizing resource allocation, and
- Enabling non-technical users to build solutions,
- Leading to faster innovation cycles
- Business units can respond faster to market needs
- NOTE: Most business processes are not so complex that a LOW Code /No Code approach wont work



***“The pace of innovation is so fast that we are now having to slow down to match the business, because that’s the kind of architecture we now have in place”***

# No Code Example

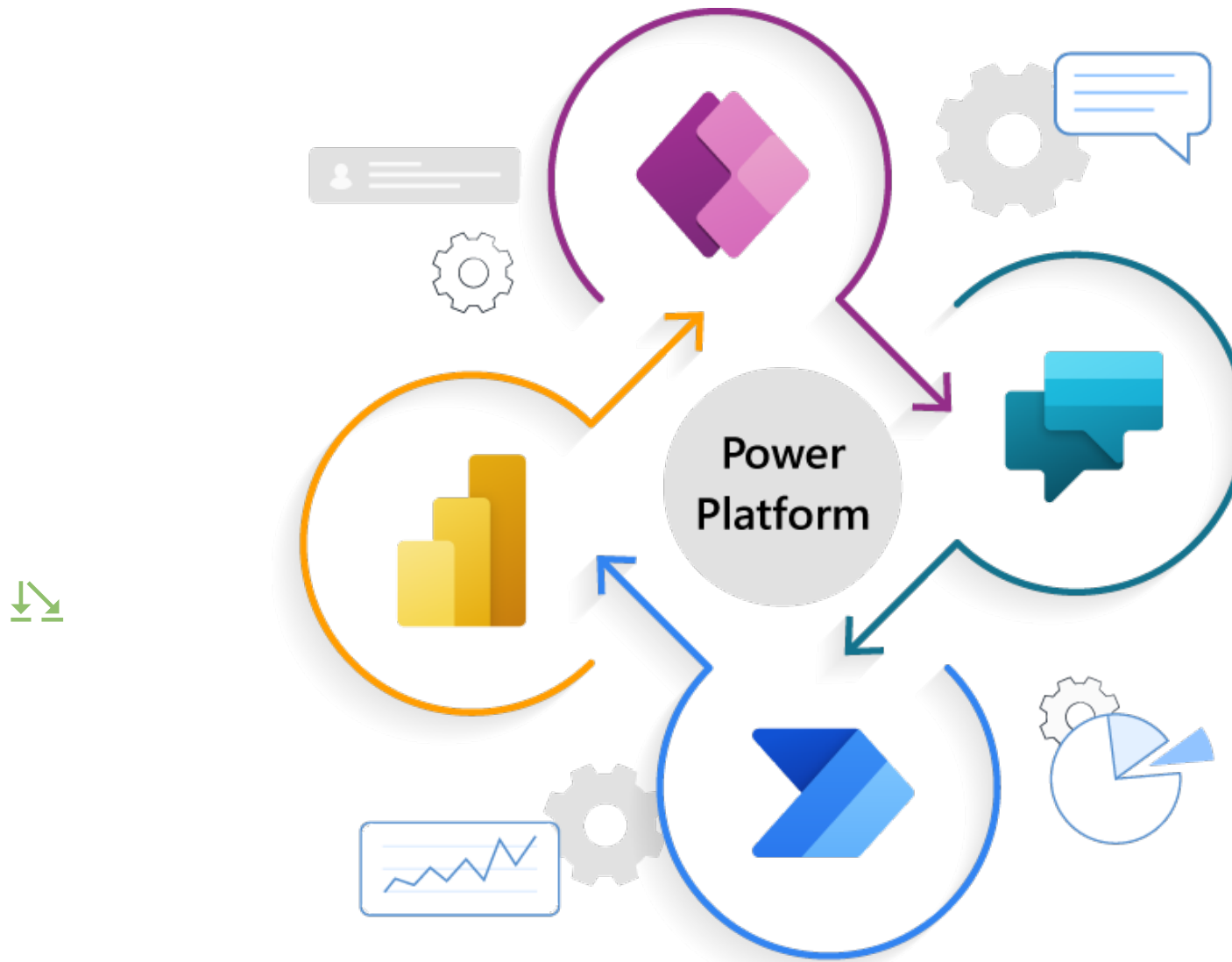
```
Dim pptApp As Object
    Dim pptPres As Object
    Dim slideIndex As Integer
    Dim slide As Object

' Create a new PowerPoint application and presentation
Set pptApp = CreateObject("PowerPoint.Application")
pptApp.Visible = True
Set pptPres = pptApp.Presentations.Add

' Slide 1: Title Slide
Set slide = pptPres.Slides.Add(1, ppLayoutTitle)
slide.Shapes(1).TextFrame.TextRange.Text = "Benefits of Low-Code/No-Code Software"
slide.Shapes(2).TextFrame.TextRange.Text = "Empowering Citizen Developers"

' Slide 2: What is Low-Code/No-Code?
Set slide = pptPres.Slides.Add(2, ppLayoutText)
slide.Shapes(1).TextFrame.TextRange.Text = "What is Low-Code/No-Code?"
slide.Shapes(2).TextFrame.TextRange.Text = _
    "Low-code and no-code platforms allow users to create applications with minimal or no programming knowledge."&vbCrLf&_
```





# Power Platform 101

# Microsoft Power Platform

The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications



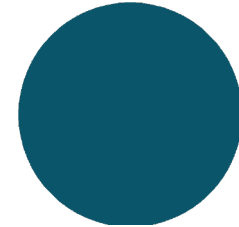
Power BI  
Business analytics



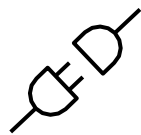
Power Apps  
Application development



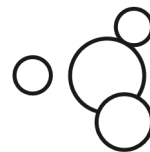
Power Automate  
Process automation



Power Virtual Agents  
Intelligent virtual agents



Data connectors



AI Builder



Dataverse



# Gain insights from your data anywhere

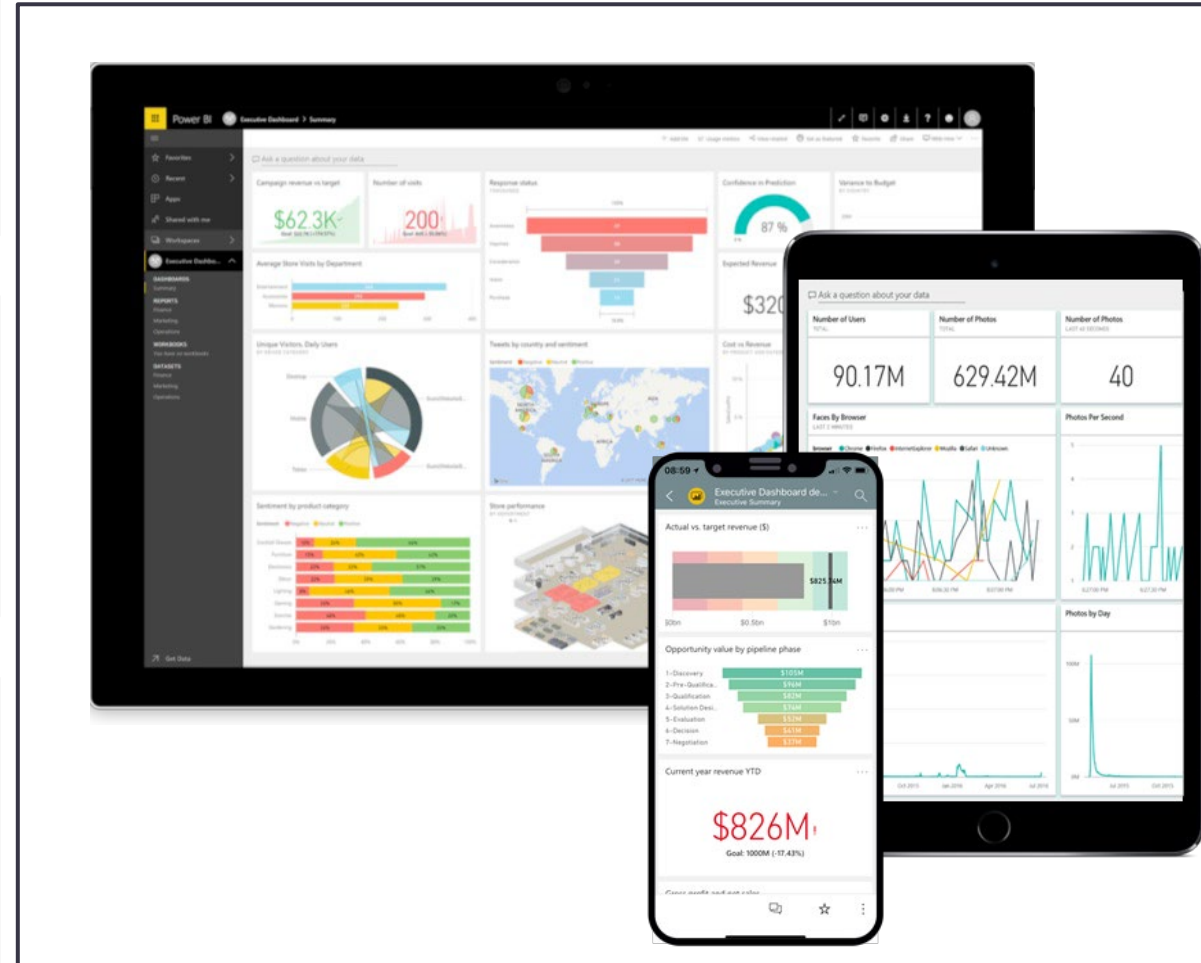


..Take Action

**Connect to all your data** and get a consolidated view across your business through a single pane of glass

Create **ad-hoc analysis, live dashboards** and interactive reports that are easy to consume on the web and across mobile devices

**Build smart apps by infusing insights** from your data and drive action with the power of Microsoft Power Platform



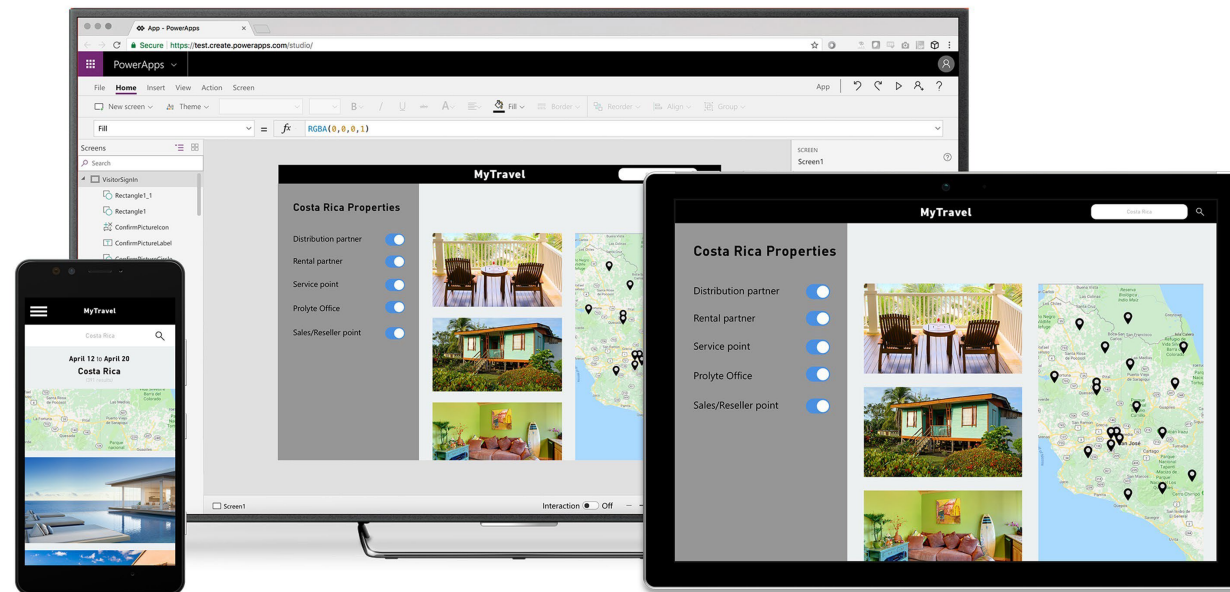
# Build solutions for web /mobile with Power Apps



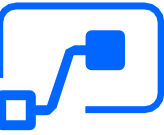
Build highly customized task- and role-based apps with data from one or multiple sources

Generate immersive model-driven apps, starting from your data model and business processes

Consume fully accessible apps across web and mobile, embedded or standalone, on any device



# Power Automate & integrate business processes

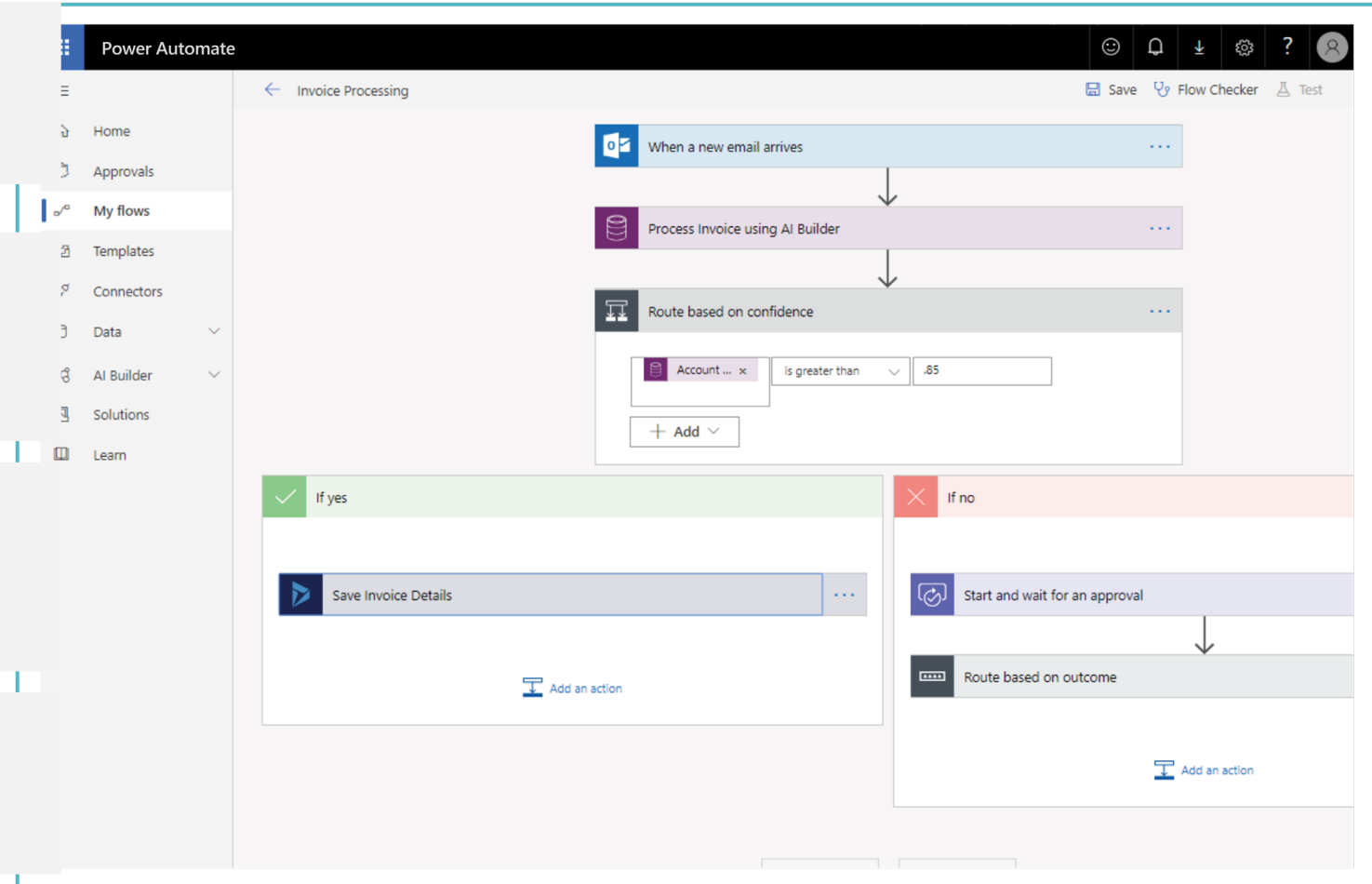


**Automate and model business processes across your apps and services**

From simple automations to advanced scenarios with branches, loops, and more

Trigger actions, grant approvals, and get notifications right where you work

**Automate legacy, on-prem and cloud-based applications and services**

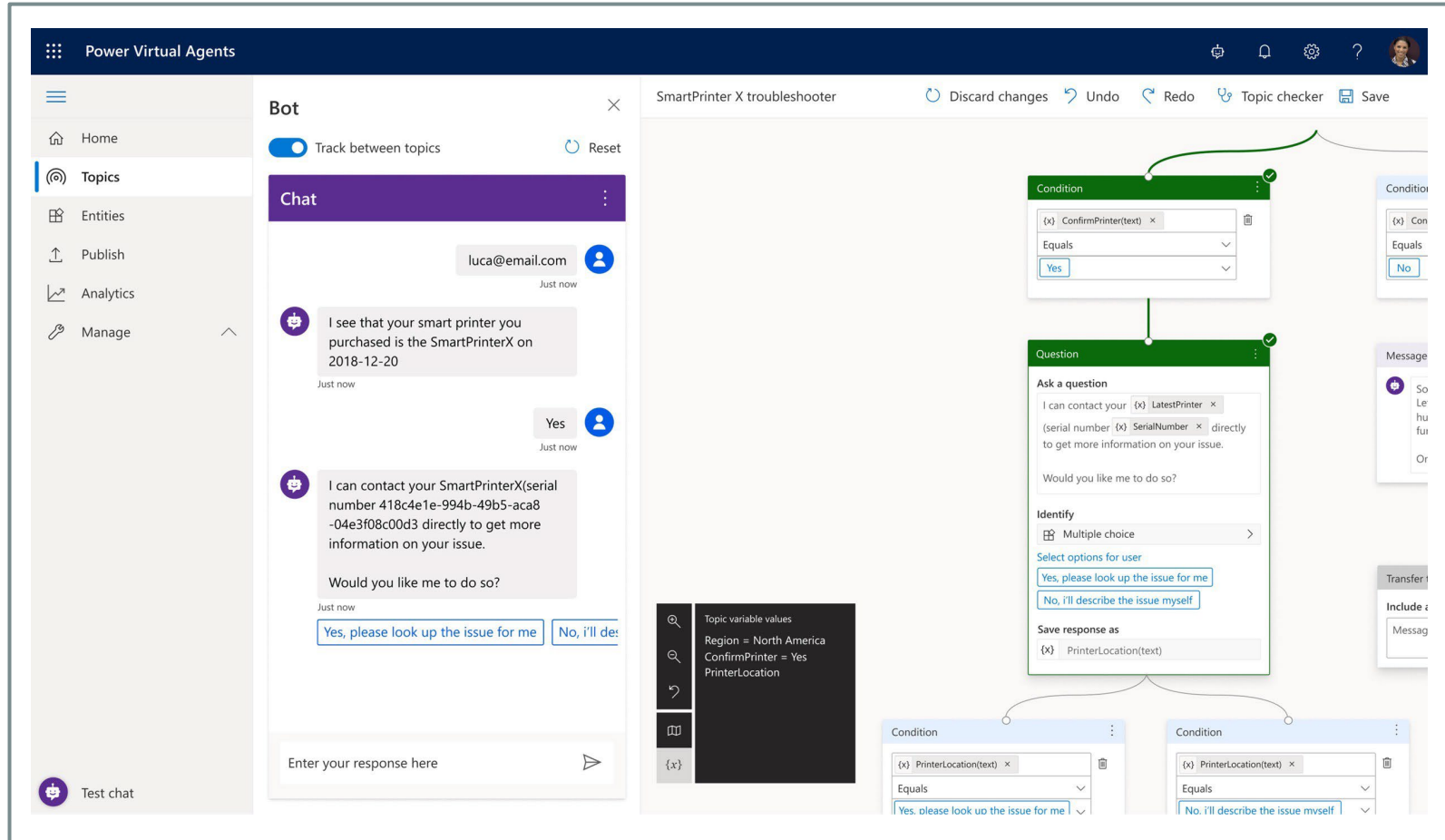


# Build powerful chatbots w/ Power Virtual Agents

Enable subject matter experts to easily create powerful chatbots using a guided, no-code graphical interface—all without the need for data scientists or developers

Enable the virtual agent to act on the customer's behalf. Easily integrate your virtual agent with hundreds of services and systems out of the box or create custom workflows

Keep an eye on how your virtual agent is performing by using conversational metrics and dashboards. **Get in-depth AI-driven insights to improve bot performance**



The screenshot displays the Power Virtual Agents interface. On the left, a sidebar contains navigation options: Home, Topics, Entities, Publish, Analytics, and Manage. The main area is divided into two panes. The left pane, titled 'Bot', shows a chat conversation with a user 'luca@email.com'. The bot's responses are: 'I see that your smart printer you purchased is the SmartPrinterX on 2018-12-20' and 'I can contact your SmartPrinterX(serial number 418c4e1e-994b-49b5-aca8-04e3f08c00d3 directly to get more information on your issue. Would you like me to do so?'. The user has responded 'Yes, please look up the issue for me'. The right pane, titled 'SmartPrinter X troubleshooter', shows a workflow diagram. It starts with a 'Condition' block (ConfirmPrinter(text) Equals Yes), followed by a 'Question' block (Ask a question: I can contact your LatestPrinter (serial number SerialNumber directly to get more information on your issue. Would you like me to do so?). The 'Identify' block shows 'Multiple choice' options: 'Yes, please look up the issue for me' and 'No, I'll describe the issue myself'. The 'Save response as' block is set to 'PrinterLocation(text)'. The workflow then branches into two 'Condition' blocks based on the user's choice.

Power Virtual Agents

SmartPrinter X troubleshooter

Discard changes Undo Redo Topic checker Save

Bot

Track between topics Reset

Chat

luca@email.com Just now

I see that your smart printer you purchased is the SmartPrinterX on 2018-12-20 Just now

Yes Just now

I can contact your SmartPrinterX(serial number 418c4e1e-994b-49b5-aca8-04e3f08c00d3 directly to get more information on your issue. Would you like me to do so? Just now

Yes, please look up the issue for me No, I'll describe the issue myself

Enter your response here

Test chat

Condition

{x} ConfirmPrinter(text) x

Equals

Yes

Question

Ask a question

I can contact your {x} LatestPrinter x

(serial number {x} SerialNumber x directly to get more information on your issue.

Would you like me to do so?

Identify

Multiple choice

Select options for user

Yes, please look up the issue for me

No, I'll describe the issue myself

Save response as

{x} PrinterLocation(text)

Condition

{x} PrinterLocation(text) x

Equals

Yes, please look up the issue for me

Condition

{x} PrinterLocation(text) x

Equals

No, I'll describe the issue myself

Topic variable values

Region = North America

ConfirmPrinter = Yes

PrinterLocation



# Put all your data to work with Dataverse

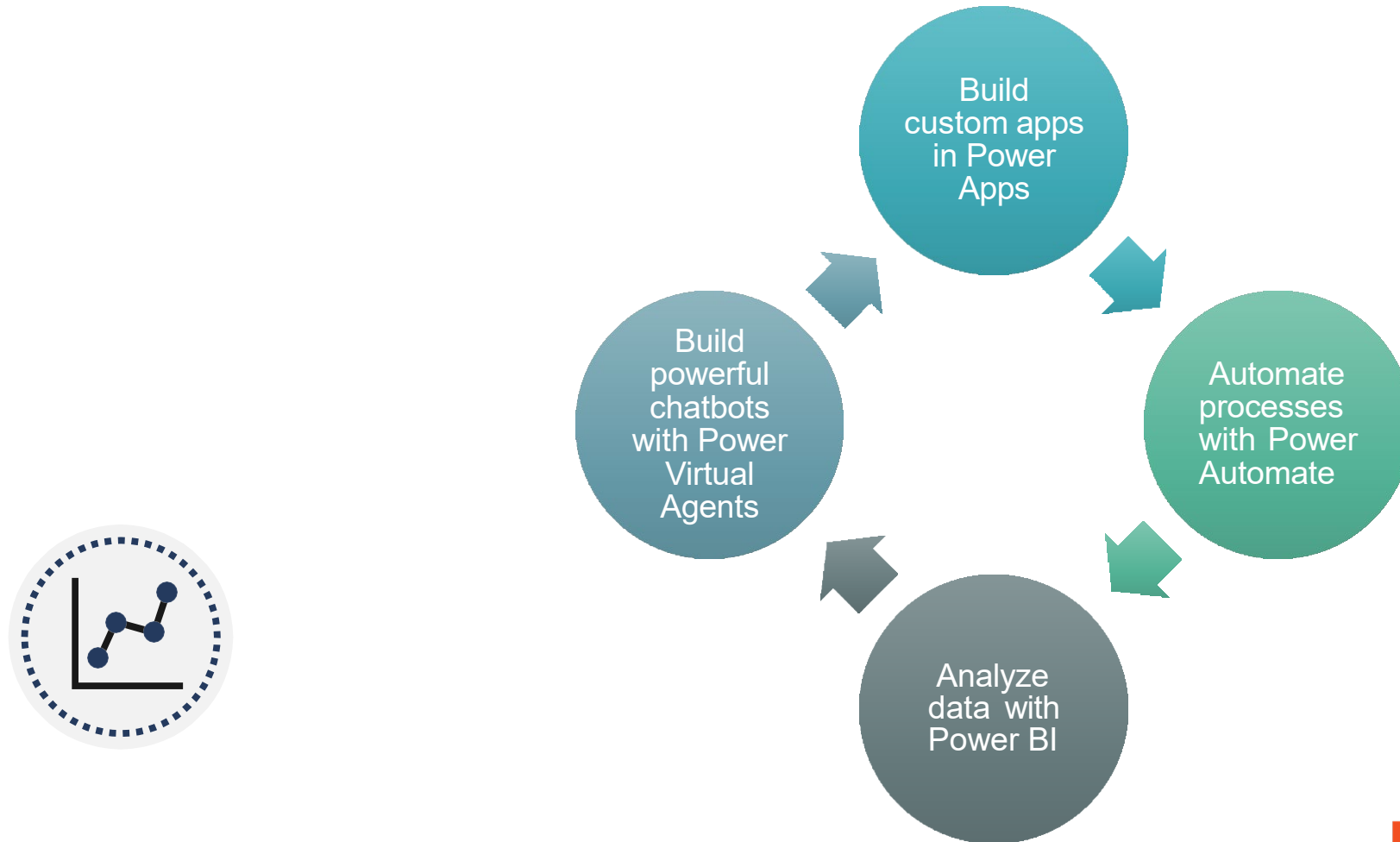
Jumpstart apps using a standardized data model with business logic, security and integration built-in

Extend to your own needs and integrate across your apps and services

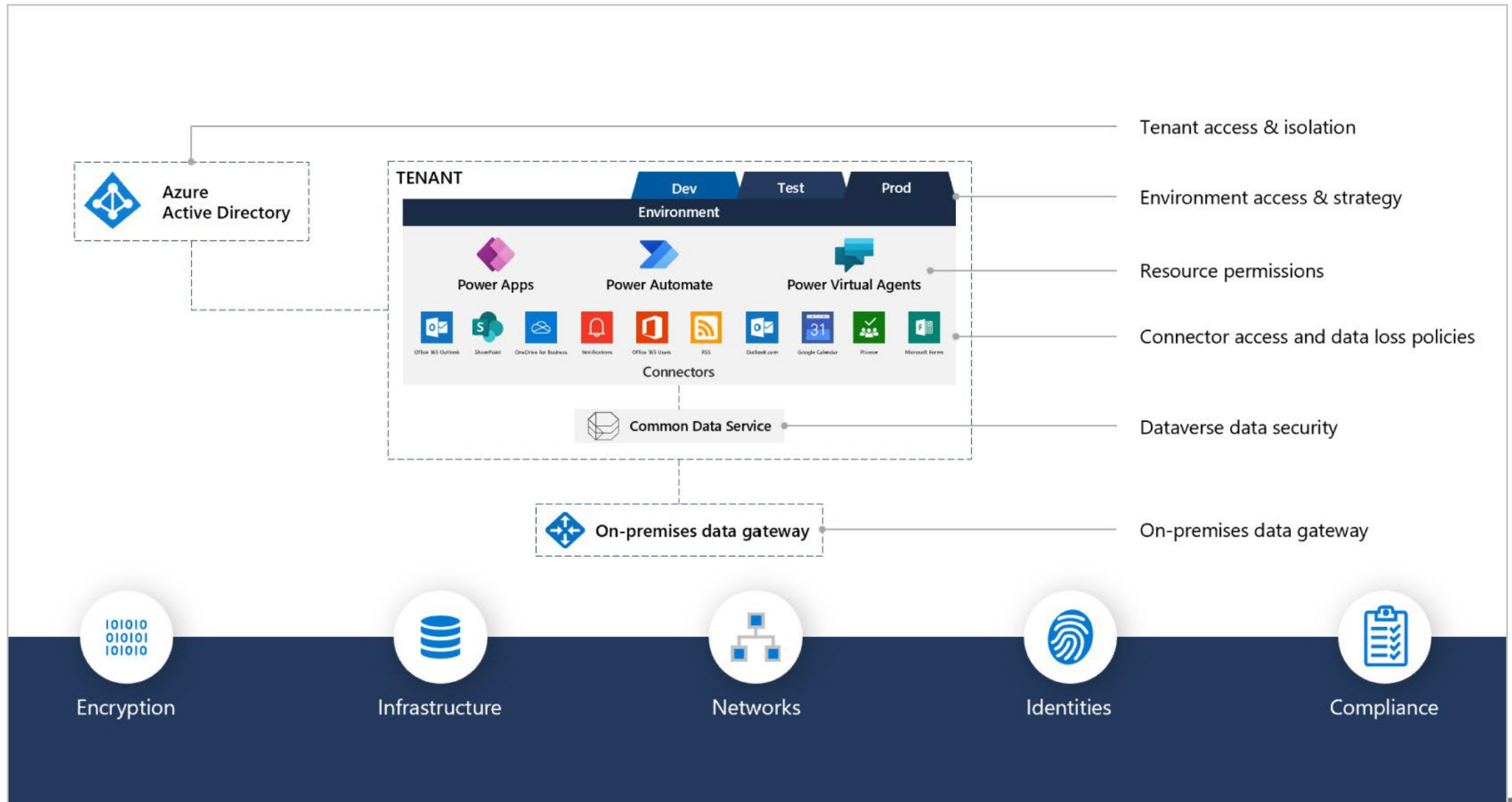
Seamless Dynamics 365, Office 365, and Azure integration, augmented with data from industry partners

# Pulling it all together “Lego Style”

Microsoft Power Platform helps to add value to any business by analyzing, acting and automating

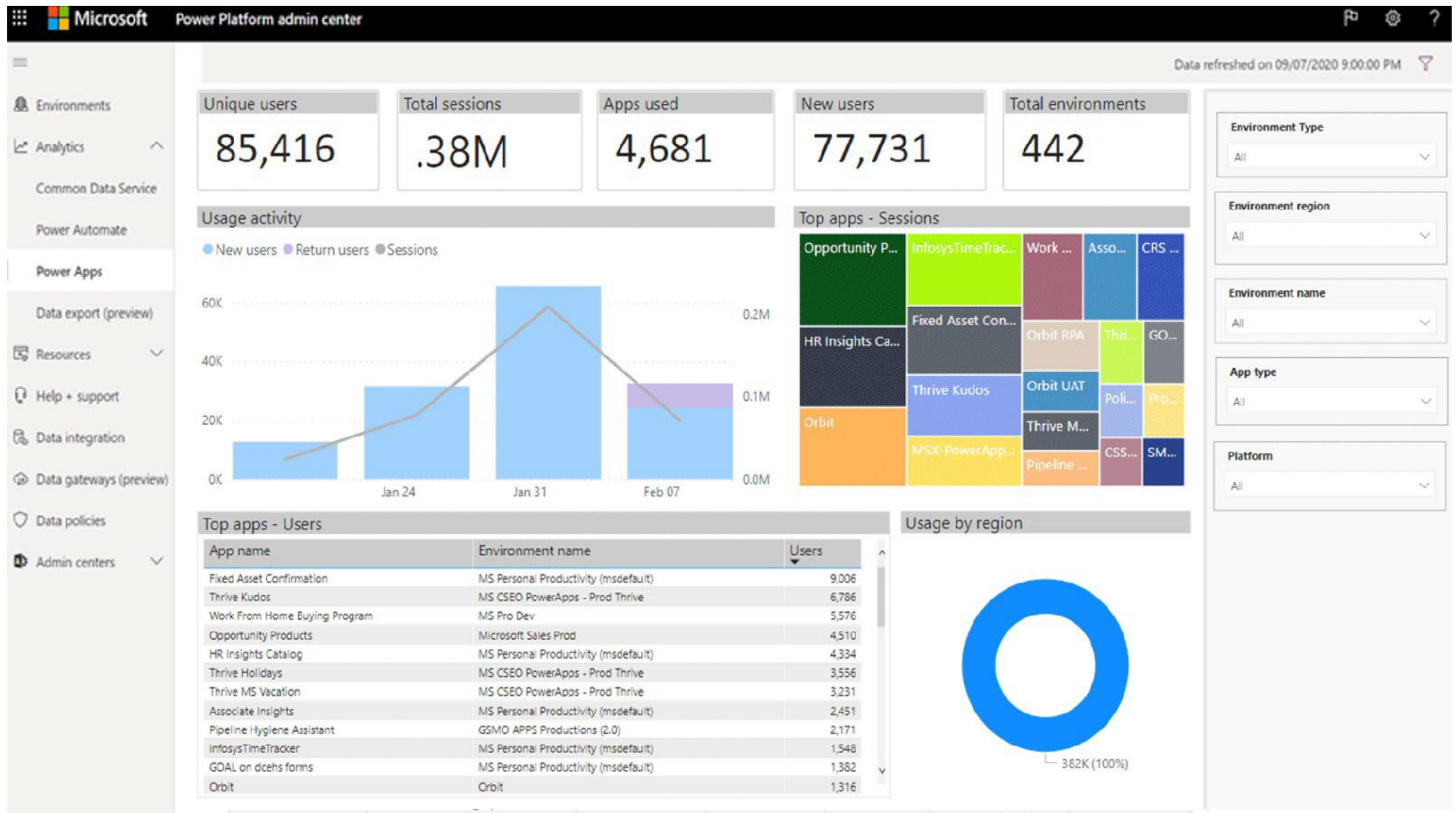


# Power Platform Security Administration





# Governance





# Galleries and Templates





# Forms for Data Capture integrity

Text = fx Parent.DisplayName

Screens

Assets

Card: AssetID

\* AssetID

4545444

ApproverEmail

Ben.Change@contoso.com

AssetType

Tablet

AssignedTo

Jack

DeviceName

iPad Air 4

ImageThumbnailURL

https://www.apple.com/br/pr/products/in

ImageURL

http://store.storeimages.cdn-apple.com/8544/as-images.apple.com/is/image/AppleInc/aos/published/images/i/pa/ipad/air/ipad-air-select-gold-201410-GE0-AU?

Options Advanced

Form customization ?

Assets

SharePoint

Refresh

☒ Snap to columns 1

Layout

Vertical

Fields + Add custom field

<input checked="" type="checkbox"/>	AssetID	123	...
<input checked="" type="checkbox"/>	ApproverEmail	abc	...
<input checked="" type="checkbox"/>	AssetType	Tablet	...
<input checked="" type="checkbox"/>	AssignedTo	abc	...
<input checked="" type="checkbox"/>	DeviceName	abc	...
<input checked="" type="checkbox"/>	ImageThumbnailURL	abc	...
<input checked="" type="checkbox"/>	ImageURL	abc	...
<input checked="" type="checkbox"/>	SecurityCode	abc	...
<input type="checkbox"/>	ID		

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# Meet REVTech

We believe growing relationships with our team, partners, and clients results in extraordinary impact. We are real people inspired by what we learn from each other. We are more than just a tech company; we are your trusted advisors.

## OUR VISION

“REV”olutionize our client’s business to drive performance, productivity, potential, profit, and purpose through technology and trusted service.

## OUR MISSION

Solve complex business problems through proven results in technology enablement and professional services at scale.

## OUR PURPOSE

We dream big and deliver bigger. Our ethos does not limit what we can accomplish, it empowers us to solve real-world challenges and strategically minimize risk, supporting our clients' short and long-term goals. Business is defined by opportunity. With a proactive, people-centered approach, we help you develop actionable strategies that support your workforce, minimize risk, and enable scalability.

### OUR STRENGTHS LIE IN

- Competence & Versatility
- Dedication to Excellence
- Desire to Engage & Collaborate
- Ability to Solve Complex Challenges
- Software Solution Expertise

### REVTech is;

- Led by a team of cross-industry domain experts with extensive track records in commercial and public sectors.
- Certified Woman Owned Small Business
- Certified Service-Disabled Veteran Owned Small Business (SDVOSB)



- ✓ Responsive User-Friendly Design (Web, Tablet, Mobile)
- ✓ Rapid Implementation & Highly Configurable
- ✓ Data Security and User Permissions
- ✓ Multi Agency Support
- ✓ Rapid Client Intake
- ✓ Housing Management & Booking
- ✓ Site & Individual Location Tracking
- ✓ Site Activity Management & Tracking
- ✓ Geo-Fencing & Custom Mapping Layers
- ✓ Customizable Risk Assessment & Calculation
- ✓ Workflow Management/Automation
- ✓ Advanced Power BI Reporting
- ✓ Referrals and Outcomes
- ✓ Easily Integrate with External Systems
- ✓ Community Response & Outcome Tracking



## Continuum of Care

# Efforts to Outcomes

01

### Intake

Rapidly collect key data for families & individuals with easy-to-use intake forms.

02

### Assessment

Complete assessments to determine needs, eligibility, and priority for services or housing.

03

### Housing

Manage housing availability, coordination, expenses, and room booking in real time.

04

### Services

Coordinate services based on client needs. Capture follow ups to ensure completion.

# OUR IMPACT TO DATE



## USERS IN THE FIELD

- 400 people using our application
- 103 Trained



## PEOPLE

- 25,337 people engaged
- 170 people managed in our system



## PLACES

- 2,005 Encampments assessed
- 526 follow up site visits
- 23 encampments closed
- 18 encampments cleaned up



## SERVICES

- 3,400 individuals referred to a service or support agency

**The Process**



# NAVApp

## Care Coordination for SUPPORTING COMMUNITIES SERVING THE HOMELESS POPULATION

- NAVApp is individuals experiencing homelessness are connected to resources empowering find meaningful opportunities.
- Assistance spans across .....
- NAVApp Teams are assigned to service areas and individuals to develop tailored opportunity plans around 8 pillars. Services across many domains provide a network of networks, affording individuals the ability to connect within communities no matter where they are located.



HOUSING



EMPLOYMENT



HEALTH & WELLNESS



BENEFITS



EDUCATION



FINANCIAL  
WELLNESS



FAMILY PROGRAMS

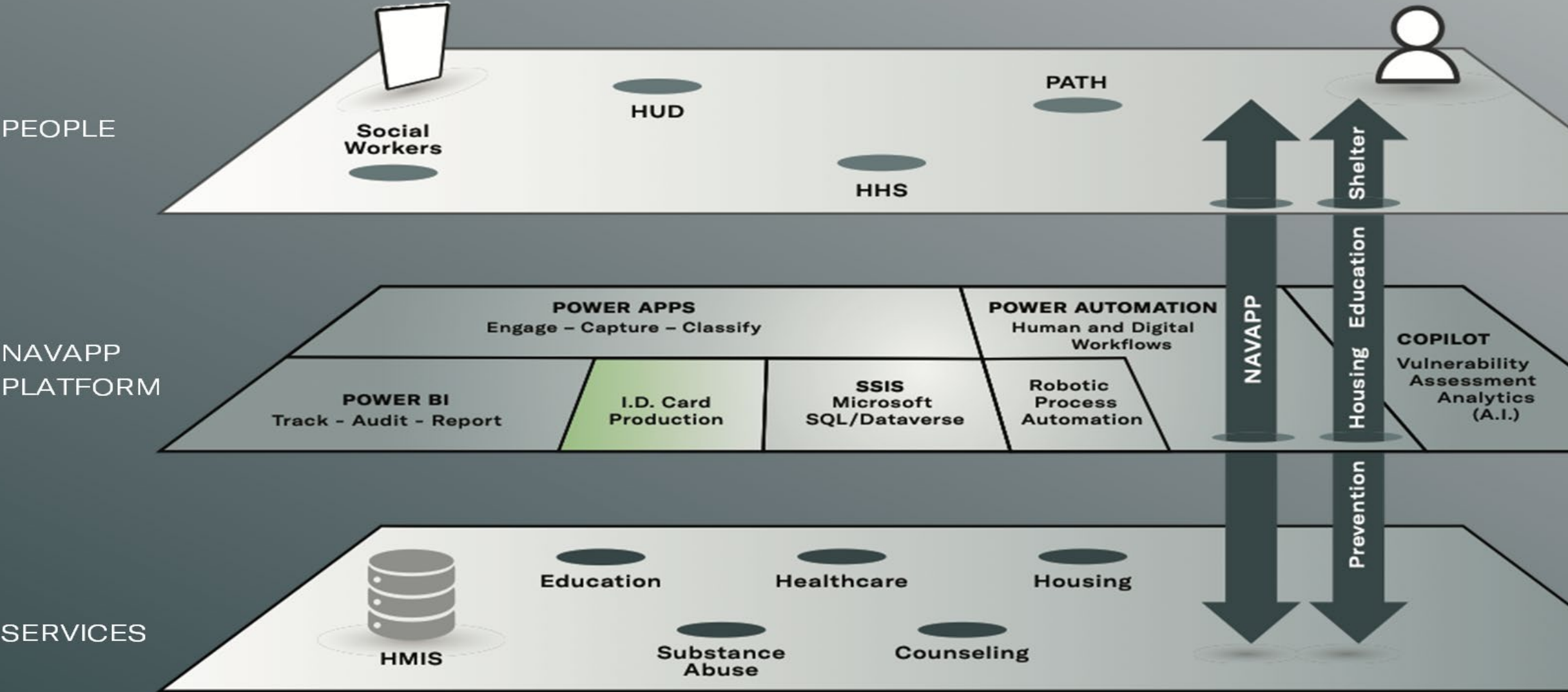


LEGAL



# NAVAPP INTEGRATION

DATA – INSIGHTS – ACTION – RESULTS





REVTECH



## Power APP DEVELOPMENT

REV built an efficient, shareable, single-source “Front Door” to other systems, a contact management solution that fosters a greater understanding and personalized approach to the cities' integration with its over 10,000+ chronic homeless and underserved homeless population. REV focused on a human-centered design (HCD) approach, modernizing technology.



### MOBILE SOLUTIONS

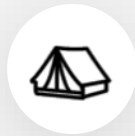
NAVApp offers an easy-to-use mobile solution that enables the leverage of cross-agency and NGO resources to deliver the right services to individuals in need faster and more efficiently while providing government leaders with the reporting and insights needed to optimize investments in programs.

### MAPPING WITH GEO-FENCING

One of the innovative features of NAVApp is the encampment mapping feature and proprietary risk rating. Showing not just points on a map, but the area the encampment as well as the need to address based upon evidence-based risk scoring. This enables real-time visual mapping of encampments, as well as data-driven tracking and mapping of outcomes by population such as Migrants coming into the State.

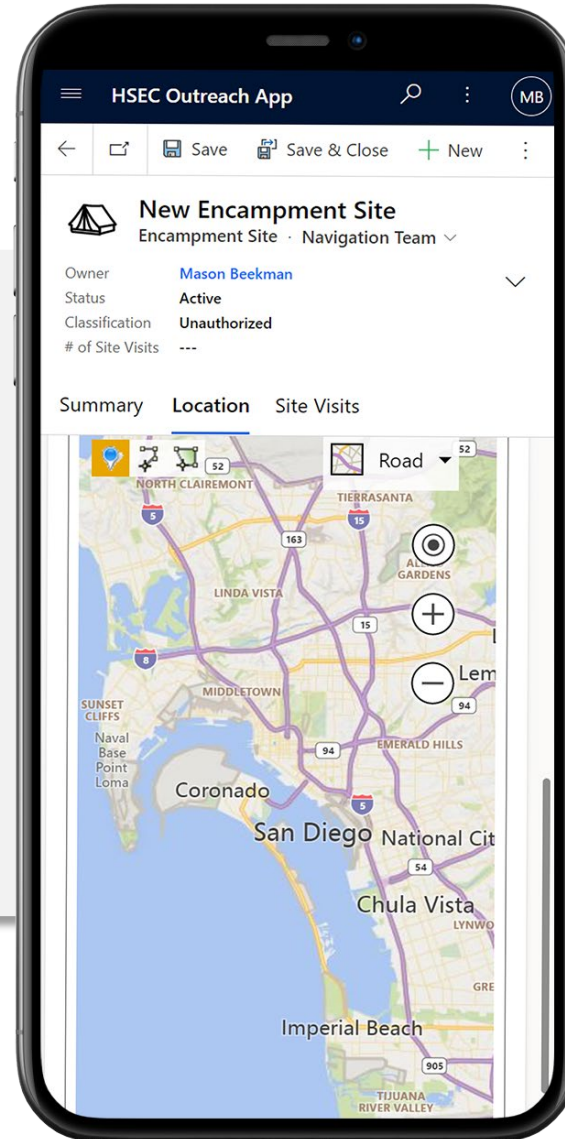
## Encampment Creation

Learn how to create new Encampment Sites within the outreach App!



## Mapping Features

Become familiar with the mapping features.



## Contact Records

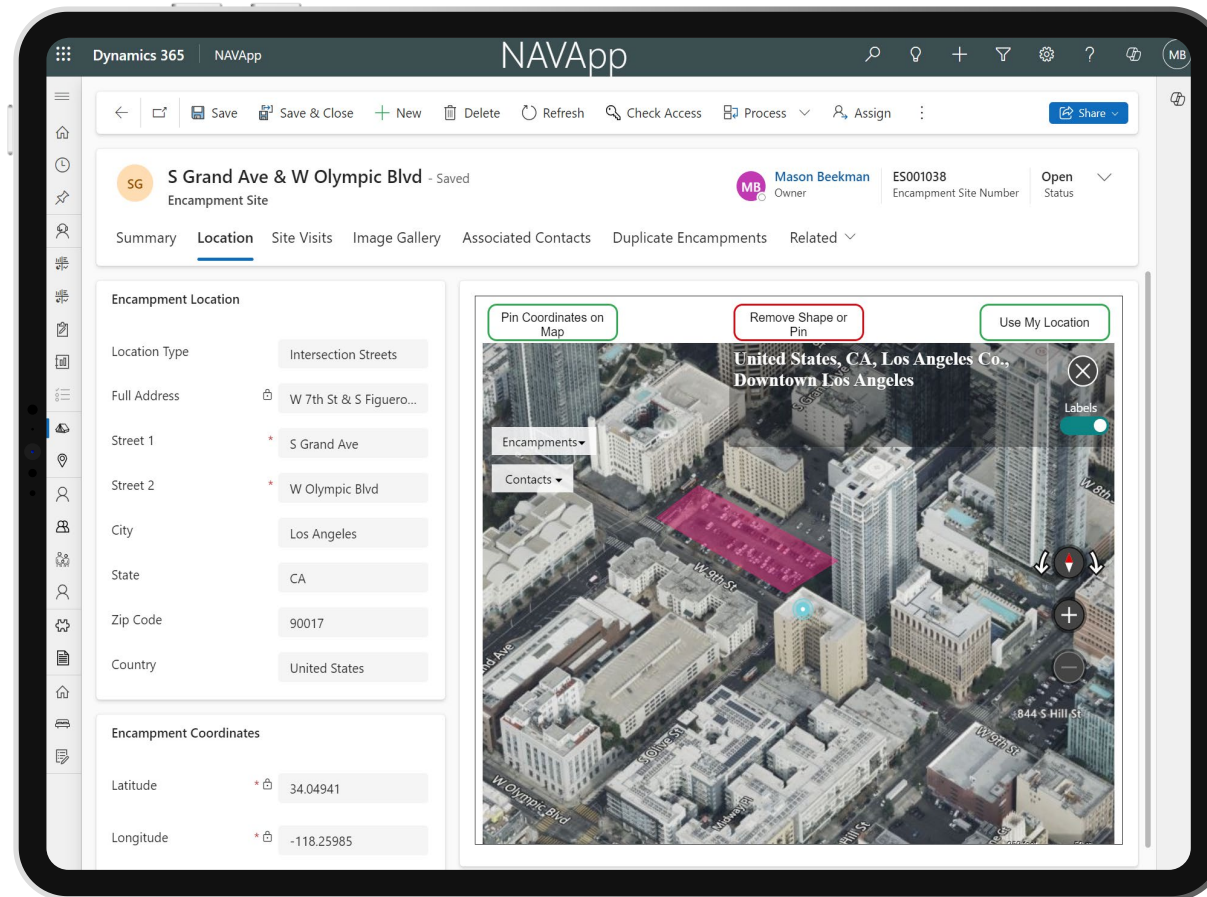
Create client records and collect information to enable better outreach.



## Engagement & Services

Log engagements and services requested for clients while in the field.





# Site Management

- Track site characteristics, location, population, activities, images, community reports, associated individuals, and a timeline of actions taken.
  - NAVApp will automatically generate coordinates based on intersections streets, full address, or user location.
  - GIS layers can easily be integrated or built in house to generate specific zone reporting based on KPIs.
- Advanced mapping allows users to draw site borders, enable mapping layers, and provide key data metrics.

Overview

Encampment Site

104th Ave SE & Bellevue

Date

2024-07-22

Type

Site Assessment

Vulnerable Populations

Perceived Elderly

☒

Perceived Infants/Children

☐

Perceived Youth

☐

Perceived Couples

☐

Perceived Wounds

☒

Perceived Not- Ambulatory

☐

Symptom of Physical Illness or Injury

☒

Presence of Pets

☐

Near Facilities for Children

☐

Near Facilities for the Elderly

☐

Near Sensitive Facility

☐

Risk Score: 15 | Low Risk

Public Health/Biohazard

Presence of Urine

---

Presence of Feces

Minimal

Discarded and/or Rotting Food

Minimal

Mice Activity

---

Improperly Discarded Needles

☒

Presence of Vomit

☐

Rats Activity

☐

Fly Activity

☒

Cockroaches

☒

Chemical Waste

☐

Near any Bodies of Water

☐

Risk Score: 20 | Low Risk

Public Safety Concerns

Near or In an Abandoned Property

☒

Near Infrastructure or Bridges

☐

Near Heavy Traffic Areas

☐

On or Near Private Property

☐

In or Near Public Park

☐

Weapon

☒

Property Damage

☒

Presence of Alcohol

☐

Presence of Drugs & Paraphernalia

☐

Risk Score: 100 | High Risk

Fire Hazards Identified

Open Burning

---

Burn Damage

---

Gasoline

☐

Generators Presence

☐

Propane

☐

Exposed Wiring

☐

Risk Score: | Low Risk

Solid Waste

Trash and Debris

Minimal

Large Items Garbage

☐

Metal

☒

Polluting Stormwater Systems

☐

Risk Score: 11.11 | Low Risk

Right of Way Concerns

Impeding Bike Lane

Minimal

Impeding Side Walk

---

Impeding Roadway

☐

Impeding Public Transit (bus stops)

☐

Impeding Business Access

☐

Risk Score: 5.26 | Low Risk

Encampment Total Score

Risk Score: 24.44 | Low Risk

Investigator Comments

# Risk Scoring

- Site Assessment – Generate site risk scores by capturing site characteristics.
- Risk scoring can help prioritize site urgency and better understand what actions are needed.
- Provides outreach worker the ability to escalate at risk individuals are prioritize referrals and services.

- Improving the human condition

## Housing

# Bed Management

- NAVApp's Bed Management :From initial intake, temporary housing, Transitional, and permanent housing..
- System/Process management. : Inflow, Exits, Length of Stay, % returning
- Street Outreach, diversity alignment, coordinated entry,...Qualitative and Quantitative

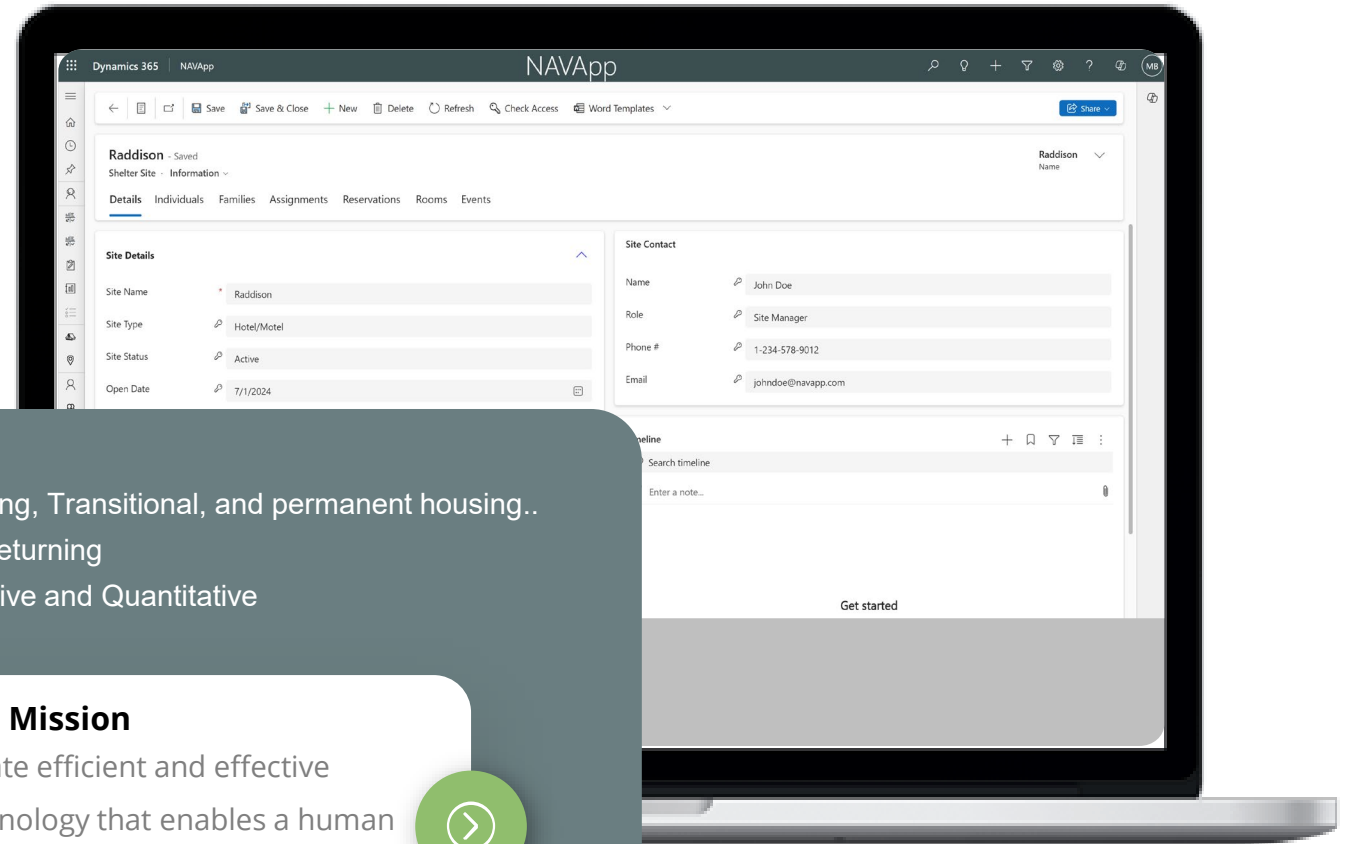
### Our Vision

Well-Being outcomes begin with care coordination, and collaboration, improving the human condition in each community we serve



### Our Mission

Create efficient and effective technology that enables a human centered approach for each engagement, for each outcome



# Intake

Reporting

Reports

People

Families

Individuals

Forms

ETO Corrections

Case Action

Certifications

Housing

Shelter Sites

Rooms

Reservations

Organizations

Organizations

Services

Go back

Save

Save & Close

New

New Family

Mason Beekman  
Owner

Details

Re-Housing

Individuals

Certifications

Reservations

Room

Stabilization

Services

Family Details

Family ID

Family Name

Total Individuals

Last updated:

Current Shelter Site

Head of Household Participant Enterprise Identifier

Head of Household First Name

Head of Household Last Name

Head of Household DOB

\*

Isolation

Currently Isolating

Isolation Location

Isolation Start Date

Isolation End Date

No

Legal and Arrivals

Port of entry into USA

Date arrived in USA

Date arrived in MA

Method of transportation



# Intake : Highly Configurable

Reporting

Reports

People

Families

Individuals

Forms

ETO Corrections

Case Action

Certifications

Housing

Shelter Sites

Rooms

Reservations

Organizations

Organizations

Services

Forms

←

📄

🔗

💾 Save

🗑️ Save & Close

➕ New

🗑️ Delete Family

🔄 Refresh

🔍 Check Access

📄 Word Templates

📄 Run Report

🔗 Share

New Family - Saved

Family

DW David Wade Owner

Details

Re-Housing

Individuals

Certifications

Reservations

Room

Stabilization

Services

Related

Future Certification Status

Future Certification ID		Future Start Date		Future End Date	
Future Certification Status		Meeting with Case Manager #1		Meeting with Case Manager #2	
Future Requirements due		Engagement Activity #1 Status		Engagement Activity #2	
Engagement Activity #1		Engagement Activity #3		Engagement Activity #3 Status	
Engagement Activity #2 Status		Engagement Activity #4 Status		Single- Parent Household	<input type="checkbox"/> No
Engagement Activity #4		Engagement Activity #5 Status		Engagement Activity #6	
Engagement Activity #5		Engagement Activity #7		Engagement Activity #7 Status	
Engagement Activity #6 Status		Engagement Activity #8 Status			
Engagement Activity #8					

# Configurable Application Forms Processing

The screenshot displays a web application interface for processing application forms. The interface is divided into a sidebar on the left and a main content area on the right.

**Sidebar:**

- Reporting**
  - Reports
- People**
  - Families
  - Individuals
- Forms**
  - ETO Corrections
  - Case Action**
  - Certifications
- Housing**
  - Shelter Sites
  - Rooms
  - Reservations
- Organizations**
  - Organizations
  - Services

**Main Content Area:**

The main content area shows a case details form for "CA1120 - Saved". The form includes a header with the case ID, a status bar with user information, and a details section with a dropdown menu for "Case Action".

**Header:** CA1120 - Saved

**Status Bar:** Kenya Mathis (Individual) | Asylum Application Filed (Case Action) | Test Organization (Refugee Legal Service Participant) | Mason Beekman (Owner)

**Details Section:**

- Case ID:** CA1085
- Individual:** Kenya Mathis
- Case Action:** Asylum Application Filed (dropdown menu)
- Refugee Legal Service Participant:**
- Date:**

**Case Action Dropdown Menu:**

- ✓ Asylum Application Filed
- Asylum-Based EAD Filed
- Change of Address (Court)
- Change of Address (USCIS)
- Change of Immigration Court Venue
- Court Date Preparation/Friend of Court
- Full Legal Intake



# Housing Inventory Management

Interagency Emergency Data Manager

Search

+

?

MB

Reporting

Reports

People

Families

Individuals

Forms

ETO Corrections

Case Action

Certifications

Housing

**Shelter Sites**

Rooms

Reservations

Organizations

Organizations

Services

<	Focused view	Show Chart	+ New	Delete Shelter Site	Refresh	Visualize this view	Email a Link	Share
All Shelter Sites								
<input type="checkbox"/>	Site Name ↑	Site type ↓	Site status ↓	Open Date ↓	Close Date ↓	Created On ↓		
<input type="checkbox"/>	Action Minute Man Inn	Overflow Site	Active			5/29/2024 11:35 AM		
<input type="checkbox"/>	Andover Residence Inn	Overflow Site	Active			5/29/2024 11:35 AM		
<input type="checkbox"/>	Arlington Homewood Suites	Hotel/Motel	Active			5/29/2024 11:35 AM		
<input type="checkbox"/>	Auburn La Quinta Inn	Hotel/Motel	Active			5/29/2024 11:35 AM		
<input type="checkbox"/>	Ayer Nashoba Valley Inn	Hotel/Motel	Active			5/29/2024 11:35 AM		
<input type="checkbox"/>	Bedford Plaza Hotel	Hotel/Motel	Inactive			5/29/2024 11:35 AM		
<input type="checkbox"/>	Boston Charles River Inn	Hotel/Motel	Active			5/29/2024 11:35 AM		
<input type="checkbox"/>	Boston Ramada	Hotel/Motel	Active			5/29/2024 11:35 AM		
<input type="checkbox"/>	Braintree Residence Inn	Hotel/Motel	Active			5/29/2024 11:35 AM		
<input type="checkbox"/>	Burlington Extended Stay America	Hotel/Motel	Active			5/29/2024 11:35 AM		
<input type="checkbox"/>	Cambridge Courthouse / Registry of Deeds	Overflow Site				8/9/2024 1:25 PM		

Rows: 98

# Power BI .. Real Time Impact and KPI's

## Power BI

Save Show data table Learn more

Quick summary  
All Shelter Sites

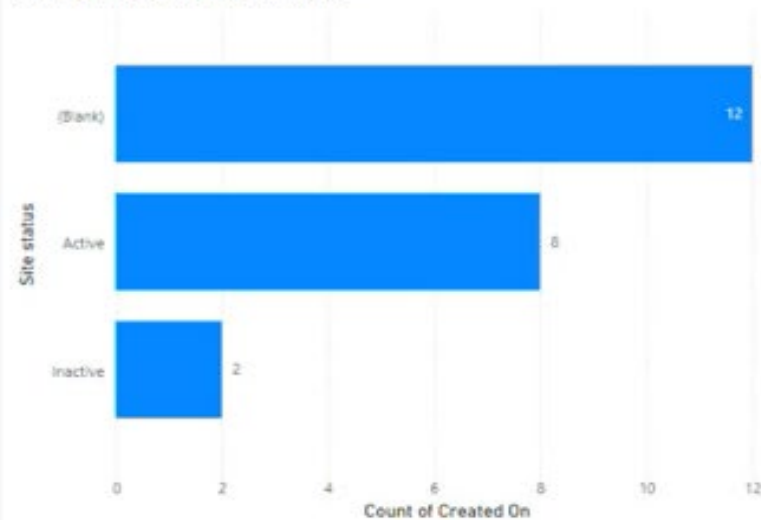
20  
Count of Created On

98  
Count of All Shelter Sites

97  
Count of Site Name

5  
Count of Open Date

Count of Created On by Site status

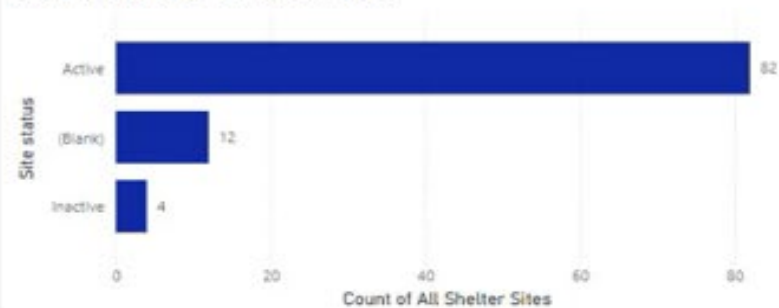


At 12, had the highest Count of Created On and was 500.00% higher than Inactive, which had the lowest Count of Created On at 2.

had the highest Count of Created On at 12, followed by Active at 8 and Inactive at 2.

had 12 Count of Created On, Active had 8, and Inactive had 2.

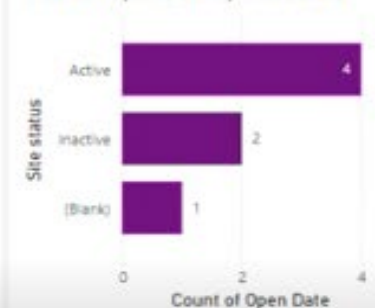
Count of All Shelter Sites by Site status



Count of Site Name by Site status



Count of Open Date by Site status



Your data

Search

- ▼ All Shelter Sites
  - ☐ Count of rows
  - ☐ Close Date
  - ☒ Created On
  - ☐ Open Date
  - ☐ Site Name
  - ☒ Site status
  - ☐ Site type



# REVTECH

Navigating the Path Forward



PEOPLE | PERFORMANCE | PURPOSE

REVTECH

# Thank You!

## Q&A