

# Digitising Planning Services - Key for People Centered Planning

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## **Planning and Assessment**

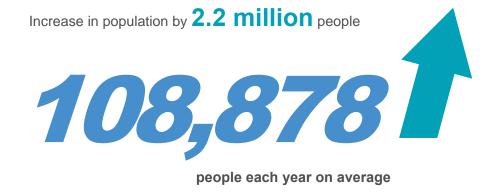
- Assessment of State significant projects
- Digitisation of planning system
- Improve assessment practices and information systems
- Ensure industry compliance
- Support councils in rezoning's and new LEPs
- Implementing strategic planning in rural and regional NSW
- Supporting Planning Panels throughout NSW





### **The Broad Context**

**By 2036** 



Of these 1.74m will be in Sydney and almost

of them in Western Sydney











### **State Priority (last FY)**

Halve assessment time - 149 days





## **Key Achievements – State Significant Projects**

106 Projects S183

**Capital Investment of** 





## **Key Achievements – Compliance and Enforcement**

























# There is a great awareness across the organisation that the information challenges need to be dealt with

"Several teams pay separately for the same data from agencies." Quote from interviews "We have a whole bunch of geo databases just on our standard network drives." Quote from Interviews

"Currently there are a lot of silos and heavy processes to deal with"

"And then there have been turnovers and so now the people in the department have very little knowledge of some of those systems." Quote from Interviews

"Because part of the problem with local government is we did an audit of their information gathering, and they all collect their information differently, it is not straight forward Quote from Interviews

"I was searching for a dataset, however no one knows where it's stored, and we have therefore lost a complete dataset." Quote from Interviews



"We collect the same data as another team but they are not interpreting the same way as we are interpreting" Quote from interviews

> "Some external parties don't like giving us the data which is the biggest issue we have." Quote from interviews

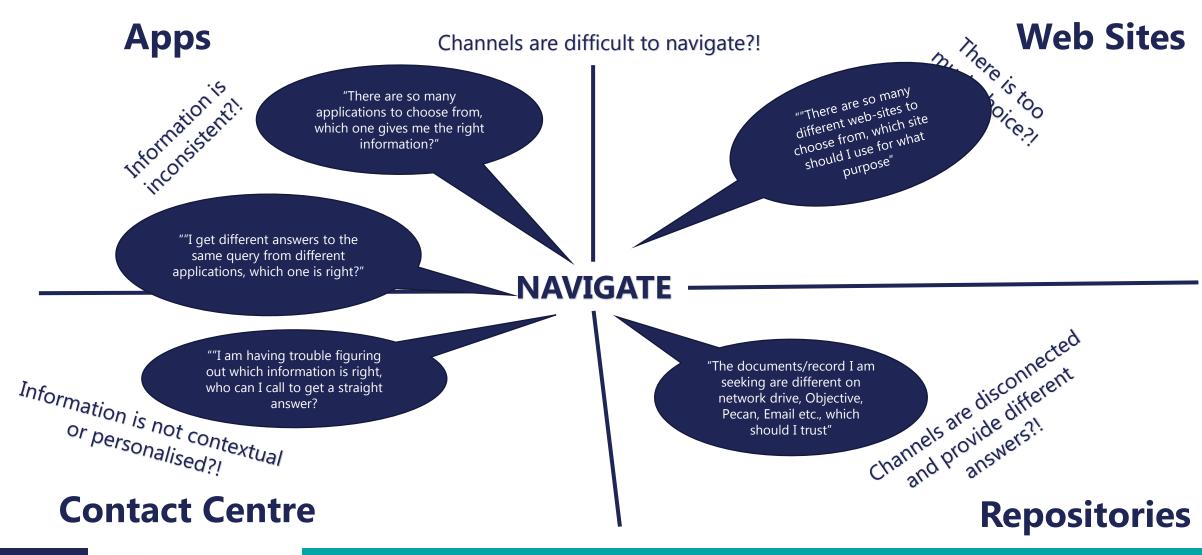
"But we know that there are other teams within the departments that are also doing the same thing, so there's a huge overlap of data going from agencies from completely different people" Quote from interviews

"One of the key messages coming from community and stakeholders is that the current planning system is impossible to navigate, and until there is an understanding how planning works in a practical and concrete way on the ground, engagement with people is almost impossible" Quote from Interviews





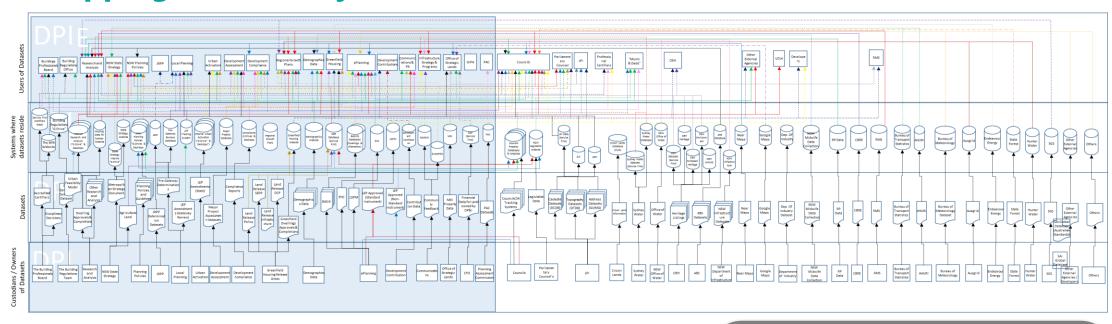
### **Customer Perspective**







# The current information architecture is complex and fragmented with overlapping datasets, systems, sources and custodians



- Custodians: More than 50 different custodians, sources and data providers of datasets has been identified
- **Datasets:** More than **60** different datasets or groups of datasets are currently being used within the department\*
- **Systems:** The datasets are dispersed across more than the **65** different systems, databases, websites that has been identified\*\*
- **End Users:** There are more than **40** end-user groups of planning data

There is a huge overlap of data coming from agencies into the agency.

There is also a lack of transparency between what needs to be collected and who should be collecting it

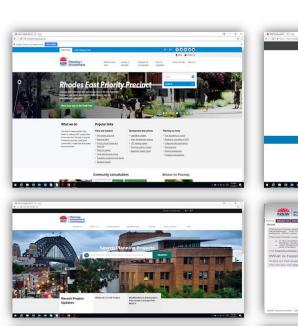




<sup>\*</sup> Some of the data providers create multiple datasets

<sup>\*\*</sup> Does not include all the variety of internal "G-Drives", Desktops, Councils different property systems etc.

### **Web Channels**













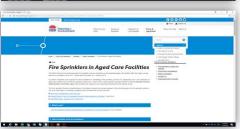
















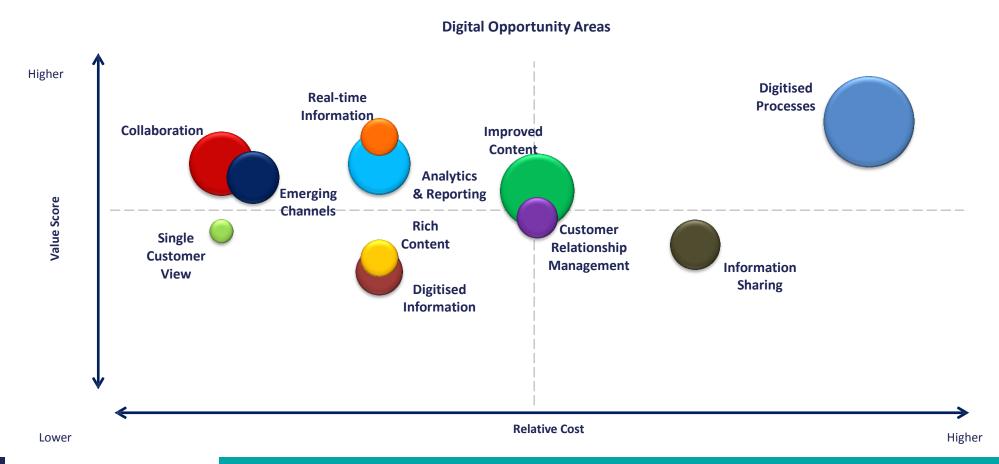






## **Opportunity areas by importance to DPIE**

Each Opportunity Area is represented below in terms of relative importance to the organisation (the bigger the bubble the more opportunities) and measured against the strategy objectives.

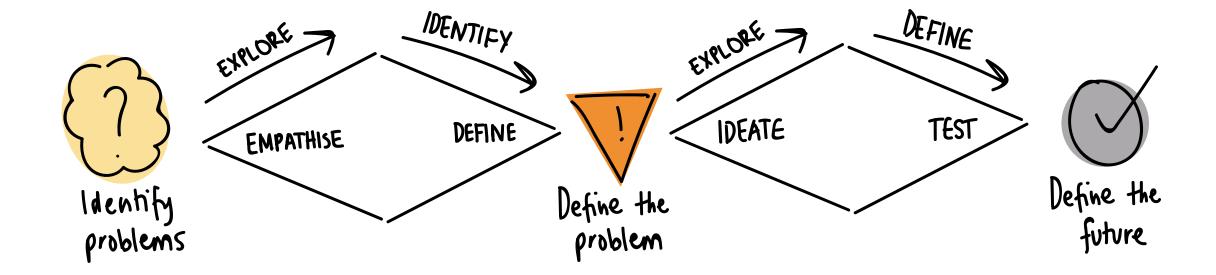






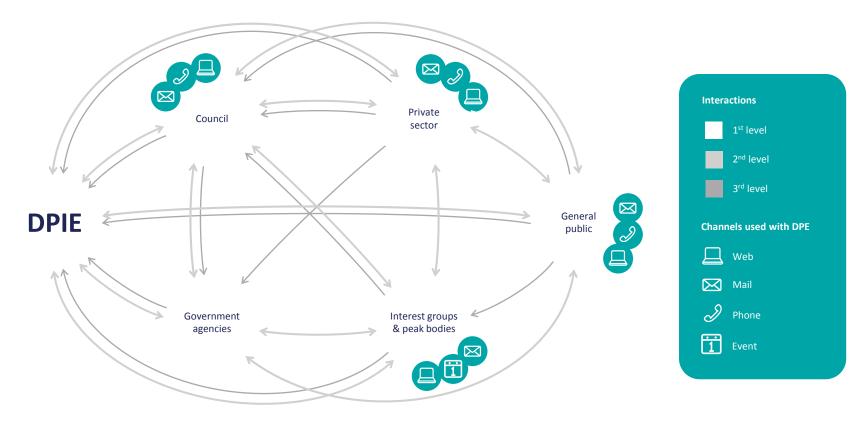


# Our approach was firmly founded in design thinking and humancentred design





# How customers interact with you and each other



Represents the interactions customers from the research had directly and indirectly with DPIE and other customers. This is not an exhaustive illustration of all possible interactions, but rather a representation of their involvement/interaction with DPIE and other customers across their entire end-to-end journeys.





### Users and their jobs to be done

#### **Assess & investigate**

Research location based guidelines and parameters to assess feasibility or compliance. Make a decision for appropriate action based on assessment.

#### Lodge & track

Collate required information for a proposal according to guidelines. Lodge proposal and track its progress through the process.

#### Government

Government agencies (e.g. FACS, TfNSW) and Councils.

Assess feasibility of a development idea Assess land for rezoning Assess development proposal

Lodge development/planning proposal for approval

#### **Private sector**

Planners, architects and developers

Assess feasibility of a development idea Assess land for rezoning Certify developments Lodge development/planning proposal for approval Lodge proposal on behalf of client

#### **General public**

Individuals, everyday citizens

Find out if/how to build a structure to ensure they are compliant

Lodge development proposal for approval

#### Interest group

Community and interest groups

Assess whether developments are compliant







### Users and their jobs to be done - continued

### **Keep informed**

Become aware of, and consume information to stay up to date on changes to topics of interest.

#### Have your say

Comment on a development or policy through submission or informal channels. Digest feedback provided and respond to issues raised.

#### **Educate & empower**

Source and share specific content from different sources to inform and educate a particular audience.

Keep up to date with policy, plans, major projects and topics of interest Create change about something of interest Consult with DPE about developments /policy Provide feedback on developments / policy

Keep community / public informed

Keep up to date with policy and plans, projects and developments

Consult with DPE about developments /policy Provide feedback on developments / policy

Educate clients on what the limitations are or why a plan doesn't comply

Be notified of changes that affect me

Create change about something of interest Provide feedback / comment about a development or rezone

> Provide advice and inform people of their rights

Active education & communications

Keep up to date on topics of interest to my audience / community

Consult with DPE about developments /policy Provide feedback on developments / policy







# **Customer journey**

#### A parcel of land



Many different customers interact with you through different journeys and jobs to be done. At the centre of all this is a parcel of land and

This current state journey follows the process of a piece of land from rezoning to development. It shows how different customers interact with you and some of the difficulties they encounter.

Depending on the type of owner the kind of development can vary.

#### Government agency

Developments can range from a new light rail route to a single residence for social housing.

#### Council

Developments can range from a new library or a new suburb.

#### Developer

Developments can range from an apartment block to a shopping centre.

#### Individual

Small scale developments such as a granny flat or house extension.

Oevelopment ide

I want to build something on my property.

aezone lang



The land needs to be rezoned in order to build my idea.

create plans



I need to make sure the plans of my development are compliant.

∿ssess impac,



I need to consider the impact of my development. Lodge application



I lodge my development for approval before building.



Private sector Assess the feasibility

Awareness: Changes to policy aren't effectively communicated, professionals only becoming aware from other sources or while researching that topic area.

"Notification normally doesn't come from them (DPE), I read it in the Sydney Morning Herald or Google search 'Department of Planning news'."



General public Find out about

building restrictions on my property

Jargon: The legal and technical way information is written make it difficult for the general public to understand and find the answers they are looking for.

"Too much jargon, you need to be on the 'inner' to know what things mean."



Government Assess planning proposal for rezoning

Consolidate information: Relevant Information is scattered

across different websites and related content is not always linked.

"Look at up to a dozen sources; typically DPE, LEP tracker, JRPP, MP, legislation, Council, RMS, pre-gateway, Google maps (etc.)"



Private sector context to inform a

Accessible information: Some information required comes from sources outside of what may be viewed as needed for a 'regular' development.

"Need to work out what's going to happen in the future ... what is the government doing with the city in the next couple of years?"



Private sector Ensure plans are compliant

Interpretation: There are inconsistencies in information across different levels of government and the council can interpret regulations differently to DPE, often there are grey areas where it is unclear what policies mean.

"The document is 500 pages long, legislation cannot be understood by anyone... I was told to get my own legal advice."



General public Ensure plans

Easy access: Customers struggle to find the information they need in the place they think that information should be.

"I couldn't find any definite sizing restrictions for my zone."



Interest group Provide advice on the npact of a development

Accessibility: The format of information should make it easier for users to find the information they need not hinder their search.

"Sometimes there are documents you can't search sometimes it's just a scanned copy. If documents are searchable it would make our lives easier."



Private sector on behalf of a client

Easy access: Important information is often found in different locations, spread across various documents. Users often need to download multiple PDFs to ensure they have all the information abut a certain topic.

"It requires a lot of digging. I will go back and forth to double check information."



Private sector

Ease of use: It is not always clear to users where to lodge submissions and sometime struggle to find where digital lodgment sits on the websites.



Government Lodge application for major project

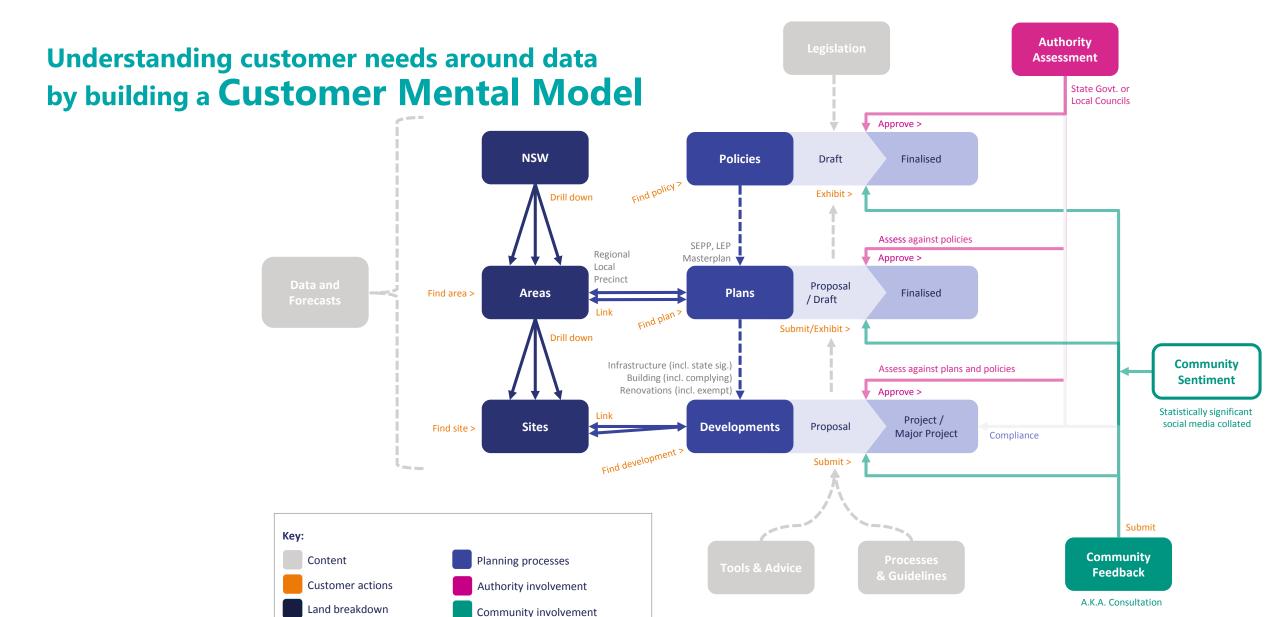
Using other channels: Digital isn't always best channel for submitting. Larger organisations prefer to send through their own internal systems or via email, making applications easier to track internally.

"We send things via email or through our internal document management system so we have a record of what we send (DPE)."









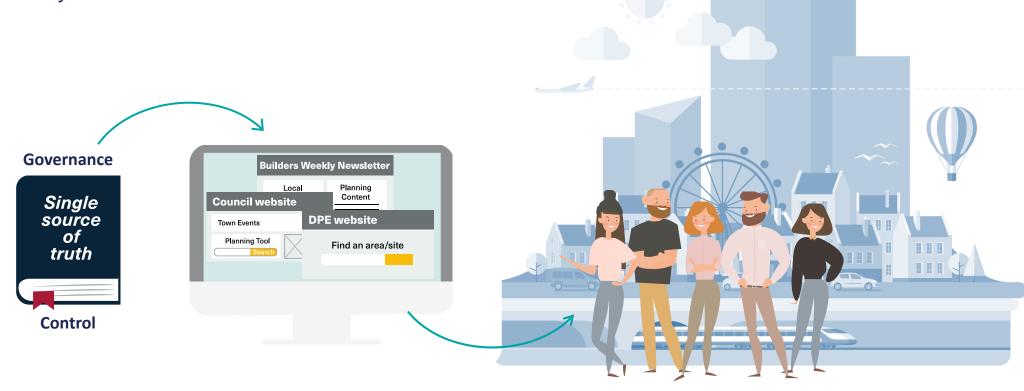






# The future vision for DPE is a unified digital presence

 By extending your content and services beyond DPE's own channels, you can better support customer's in their planning journey.





#### **SYSTEMS OF ENGAGEMENT - CUSTOMERS**















WEB

**EMAIL** 

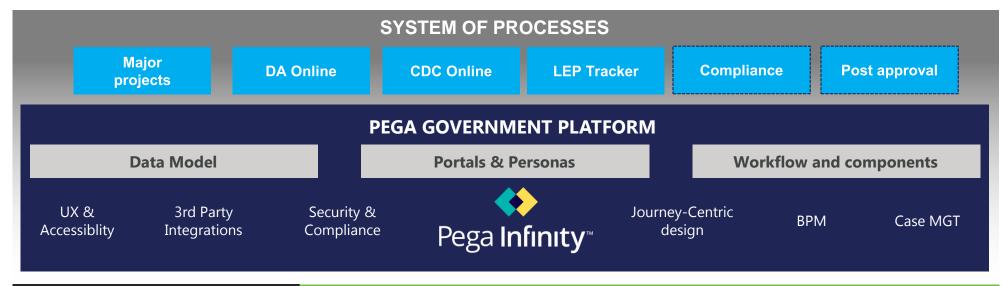
CHAT

**SOCIAL** 

**MOBILE** 

**EVENTS** 

CALL CENTER



**SYSTEM OF INTELLIGENCE** 

**PowerBI Platform** 

**SYSTEMS OF RECORD** 

CM9

ArcGIS

SALESFORCE

**SYSTEMS OF ENGAGEMENT - EMPLOYEES** 





SAP







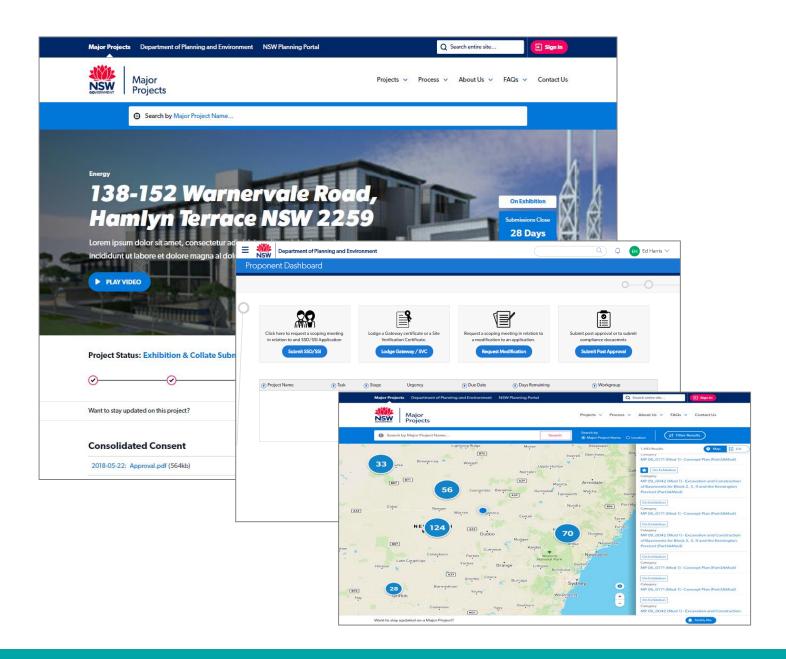






### **New Planning Portal**

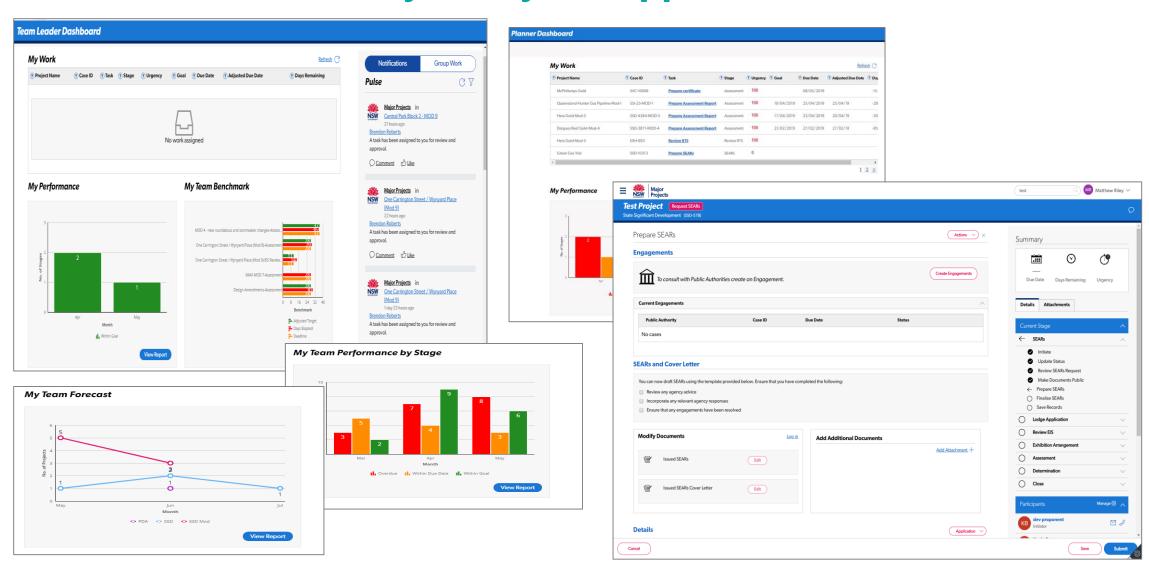
- Making it faster and easier to do business with us.
- A 'one-stop-shop' where customers can:
  - Easily search and find what they need to prepare, lodge and track applications
  - Track the status of applications
  - Subscribe to receive project update alerts







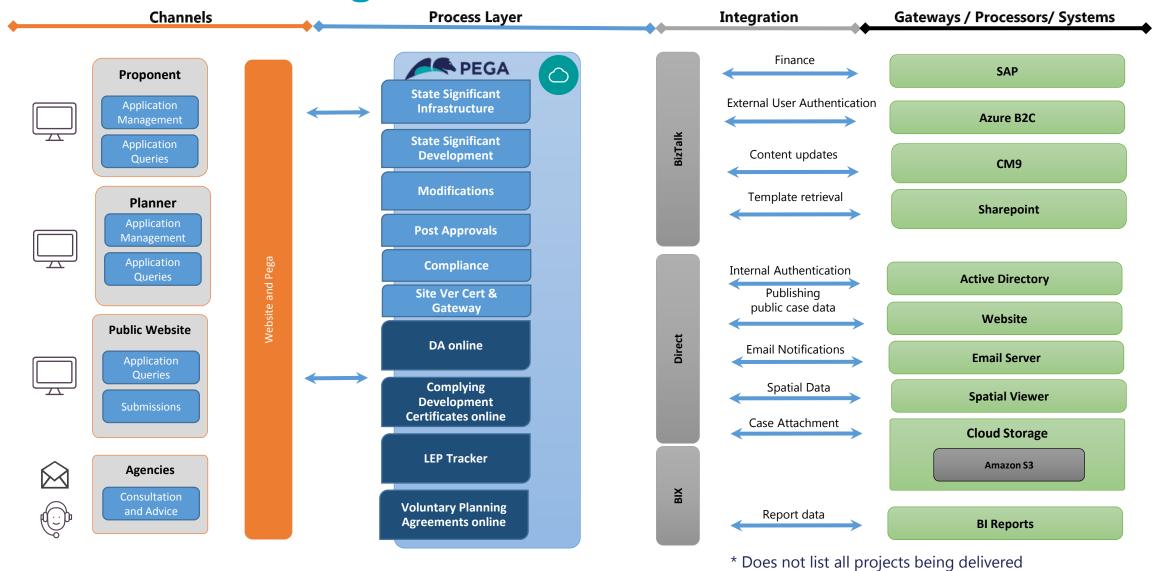
## **Major Projects Application**







# **High Level Architecture\***





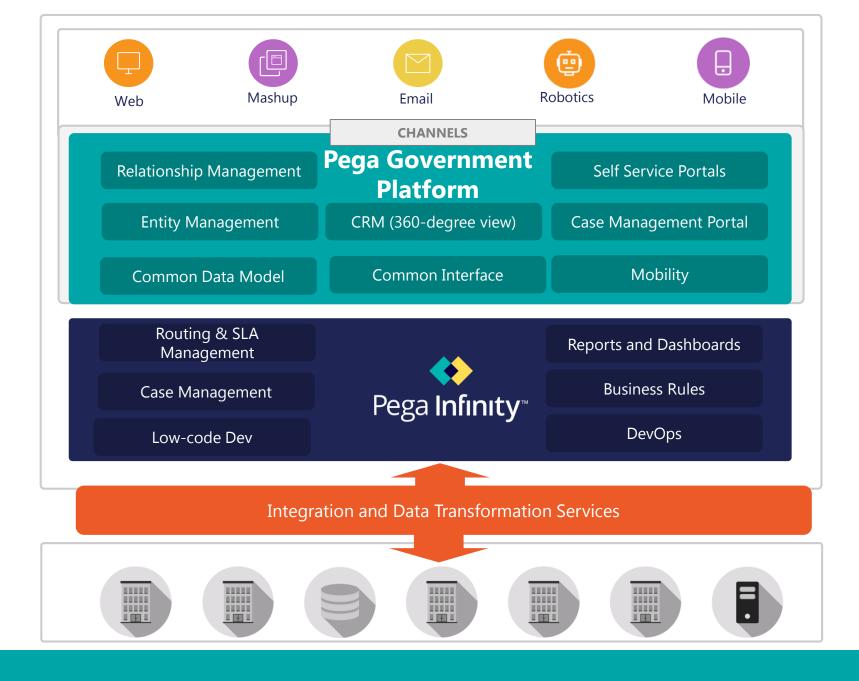


# Pega Government Platform

**Data model** 

**Portals & personas** 

**Government workflows** & components







## **Major Projects Application – User Statistics**









64







Website - New Users

79K+





# **Applicants**



Make it easier for applicants and consultants to transact with the Department by allowing all services (assessment, post approval and compliance) to be conducted online.

Legacy	Major Projects
8	
8	
8	
8	
8	
	<ul><li>✓</li><li>✓</li><li>✓</li></ul>



# **Community**



Make it easier for the public to stay informed and to have their say on major projects.

Functionality	Legacy	Major Projects
Make Submissions		
Track Applications		
Receive Email Alerts	8	
View Post Approval Decisions*	8	
View Compliance Actions*	8	
Make Complaints*	8	
Provide Feedback Outside the Exhibition Period*	<b>&amp;</b>	



# **Authorities**



Improve collaboration by streamlining the way the Department requests and receives advice from Government agencies.

Functionality	Legacy	Major Projects
Make Submissions		
Provide Assessment Advice	8	
Forecast Upcoming Requests for Advice	8	
Review Performance	8	
Receive and Respond to Consultation from Proponents*	<b>&amp;</b>	



### **Value Add To Our Customers**

The new Major Projects website and digital platform is designed to address customer feedback and deliver a far more user friendly experience



### 1. Search

Make it easier for people to browse and find projects



### 2. Up-to-date Information

Display up-to-date information on project pages that is relevant overtime



### 3. Navigation

Improve navigation between projects, modifications and other related projects



### 4. Subscriptions

Enable people to stay informed about projects that matter to them



### 5. Submissions

Improve the submission making process



### 6. One-Stop-Shop

Create a one-stop-shop for lodging applications and documents



### 7. Agency Advice

Simplify the way the Department seeks and receives agency advice



### 8. Process Information

Provide information about the State significant assessment process







