



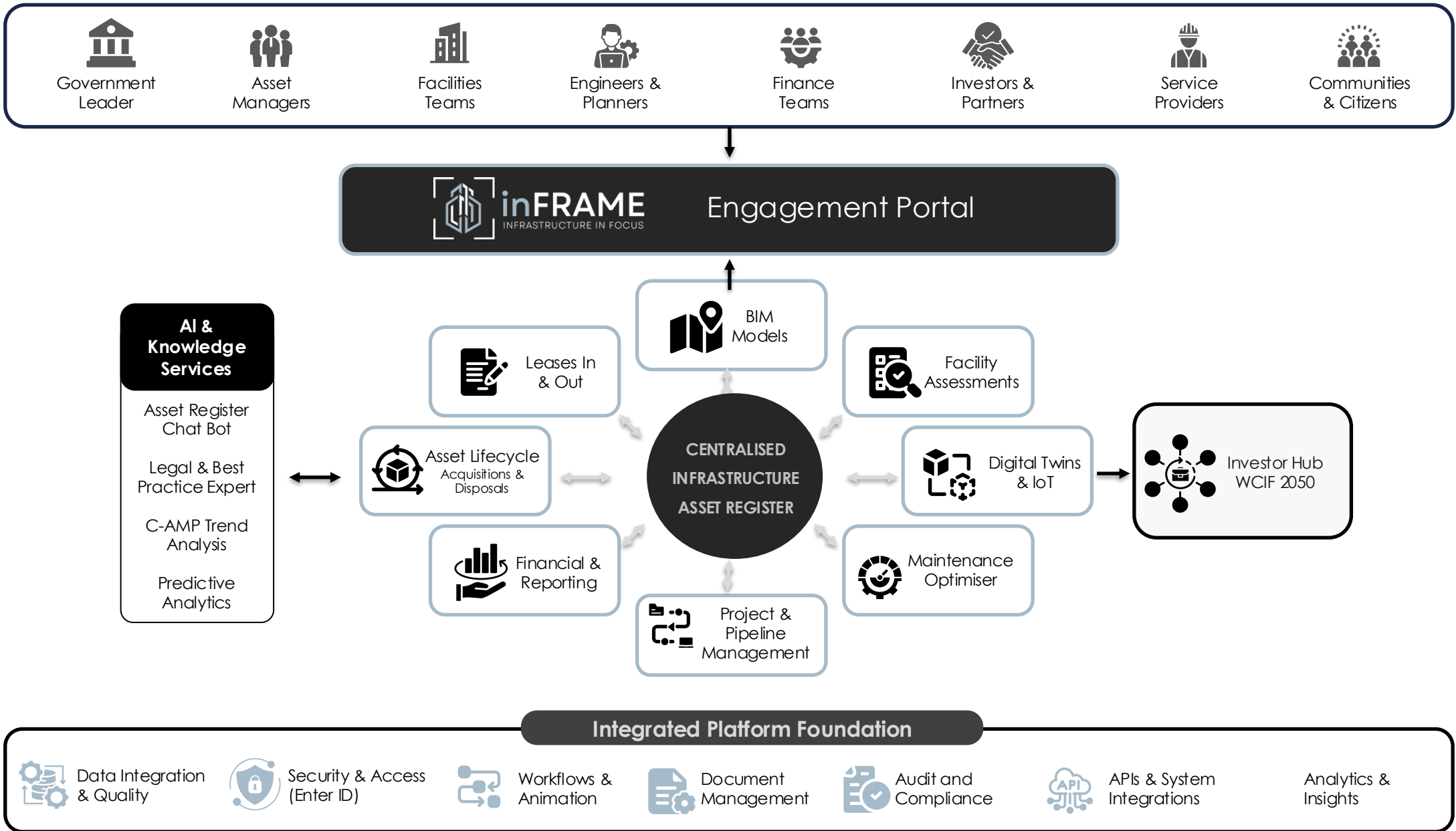
Welcome to inFRAME – Infrastructure in Focus

An integrated innovative technology platform, managing the full infrastructure asset lifecycle

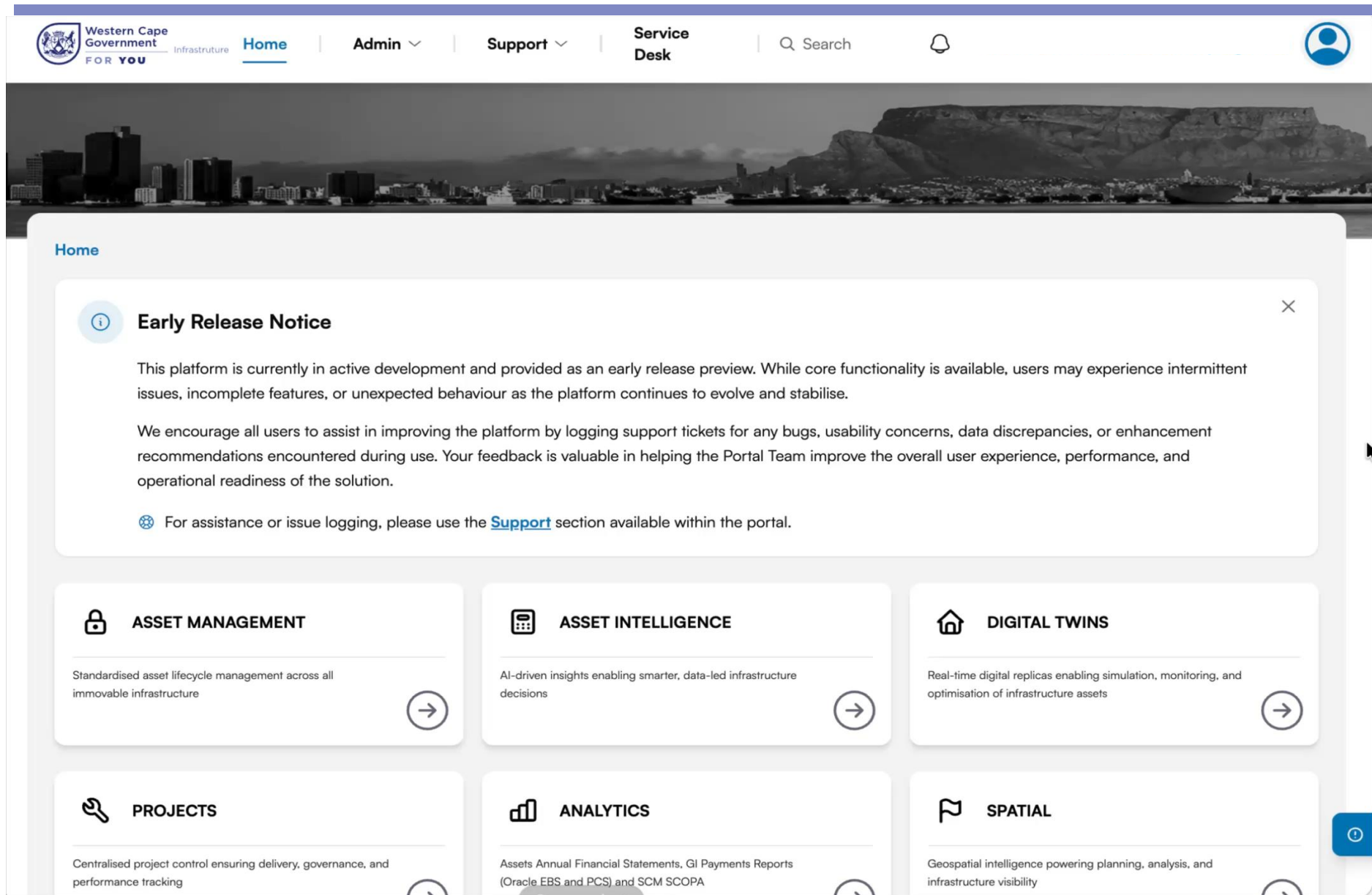
The inFRAME Initiative represents the Department's integrated approach to modernising how infrastructure is **understood**, **planned**, **managed** and **delivered** across the Province.



The technology platform delivering the WCIF 2050 vision



The Infrastructure Asset Register



Single source of
Infrastructure Assets

Automated Financial
Statements

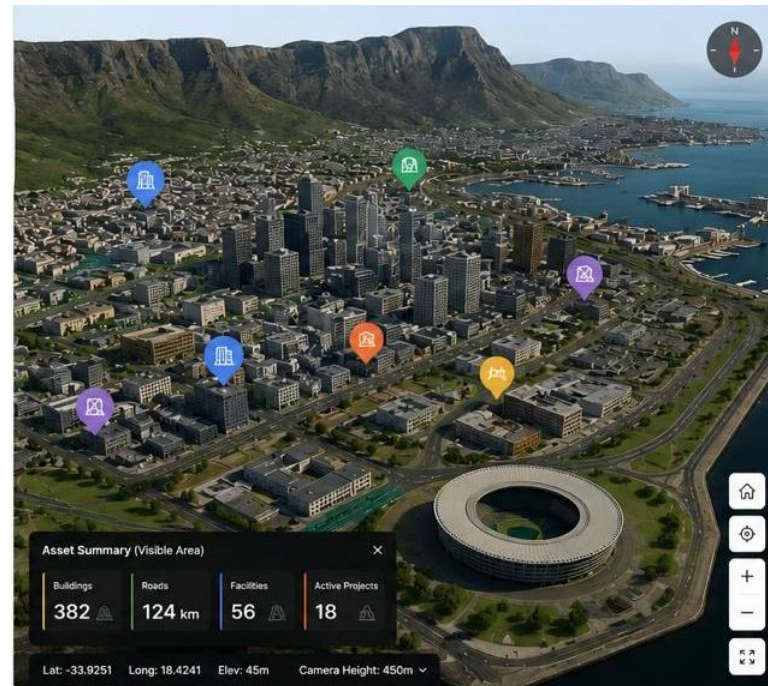
All Infrastructure Asset
Documentation in
one place

Digital Twin Evolution

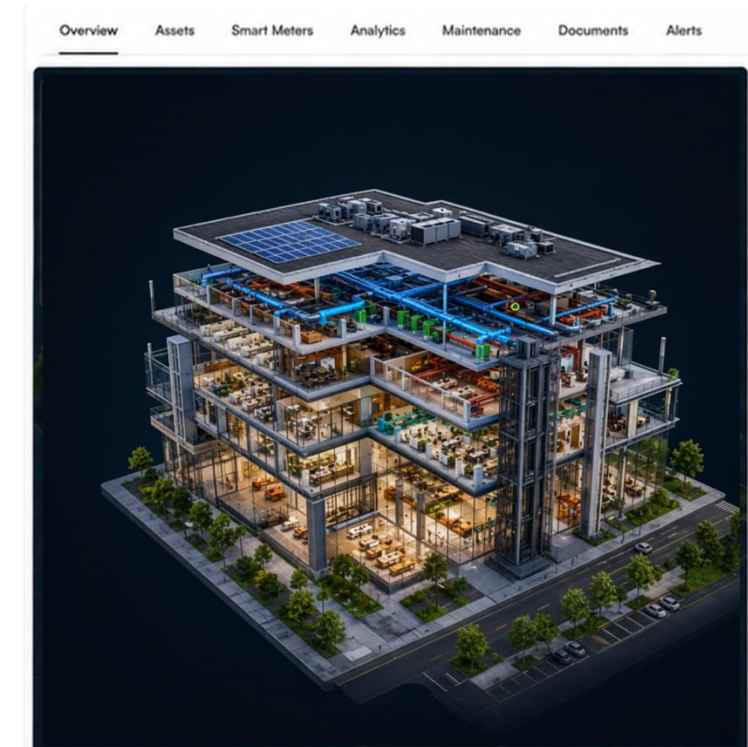
Digital Model (BIM)



Digital Shadow



Digital Twin



Building Information Models (BIM)



Western Cape Government
FOR YOU

Infrastructure

Department of Infrastructure

Home

Articles

Portal Login

Dashboard

Asset Management

Asset Intelligence

Digital Twins

Overview

Digital Twins

BIM Models

Projects

Analytics

Spatial

Human Settlements

Documents

Surveys

Reports

Administration

Collapse

BIM Models

Browse and manage your Building Information Models.

Search models...

Filter

Upload BIM Model

24

Total Models

12

Live Twins

8

In Review

4

Archived



9 Dorp Street Office

Live

Commercial • Office

Model Version: v1.8

Updated: Today, 09:15 AM

Size: 186 MB

View Details

Back

9 Dorp Street Office – BIM Model

Live

Screenshot

Documents

More



Model Information

File Name

9Dorp_Office_v1.8.ifc

IFC Version

IFC 4

Model Version

v1.8

Author

eMerge BIM Team

Discipline

Architectural

Uploaded

Today, 09:15 AM

File Size

186 MB

View Properties

Model Elements

Buildings

1

Storeys

6

Spaces

182

Doors

246

Windows

512

Objects

2,846

View in Model Browser



Western Cape Government
FOR YOU

Infrastructure





Department of Infrastructure
Building a better Western Cape

in

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Home



Dashboard



Digital Twin



Assets



Projects



Work Orders



GIS Maps



Reports & BI



AI Insights



Documents



Data Hub



Administration

Layers

Layers

Themes

Search layers...

Assets

- ☒ Buildings
- ☒ Roads & Bridges
- ☒ Facilities
- ☐ Pipelines
- ☐ Water Infrastructure
- ☐ Electrical Assets
- ☐ Other Assets

Environment

- ☒ Terrain
- ☐ Satellite Imagery
- ☐ Flood Zones
- ☐ Environmental Zones

Projects

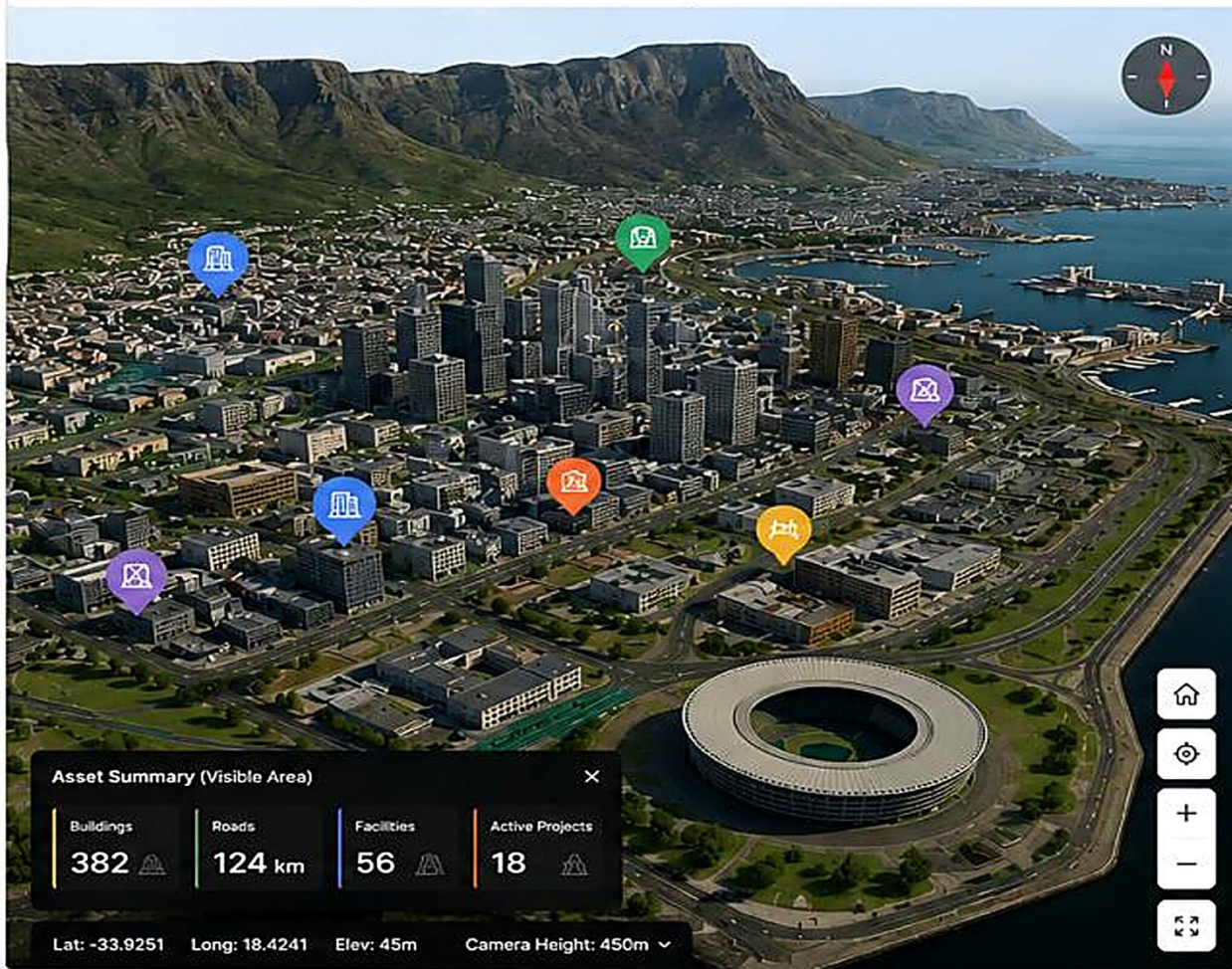
- ☒ Active Projects
- ☐ Completed Projects

+ Add Layer

CAPE TOWN CBD

2D

3D



Asset Summary (Visible Area)

Buildings

382

Roads

124 km

Facilities

56

Active Projects

18

Lat: -33.9251 Long: 18.4241 Elev: 45m Camera Height: 450m

Asset Details



Cape Town Civic Centre

Building

Overview

Details

Documents

History



Asset ID	BLD-CT-000123
Asset Type	Government Building
Directorate	Infrastructure Delivery
Condition	Good
Year Constructed	1964
Gross Floor Area	42,350 m²
Value (Replacement)	R 1,245,000,000
Data Source	Asset Register
Last Updated	16 May 2024

View Details

Create Work Order

Scenes



Cape Town CBD
Current View



Western Cape
Province



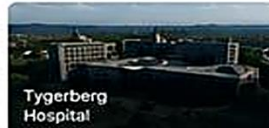
Infrastructure
Corridor N2



Cape Town
Harbour



Bellville
Precinct



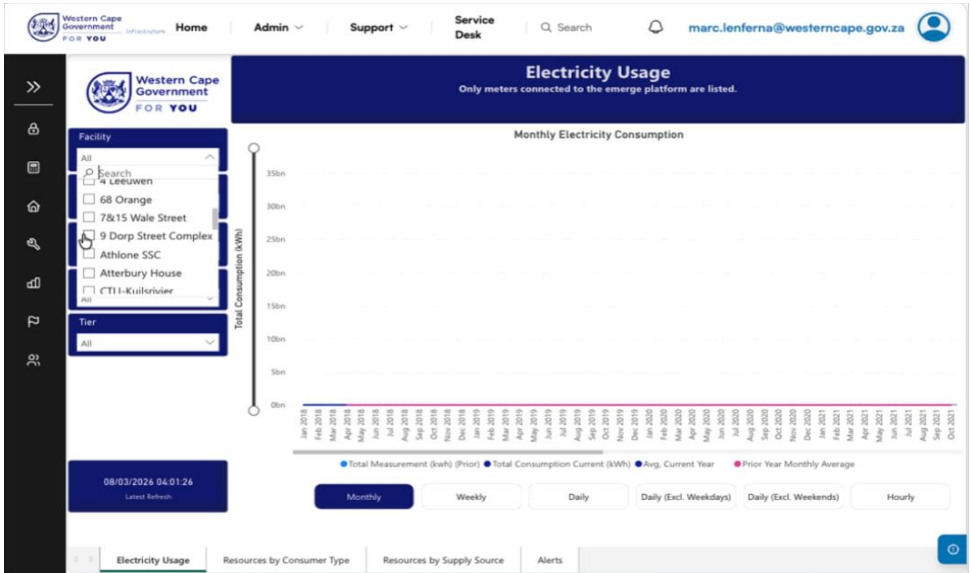
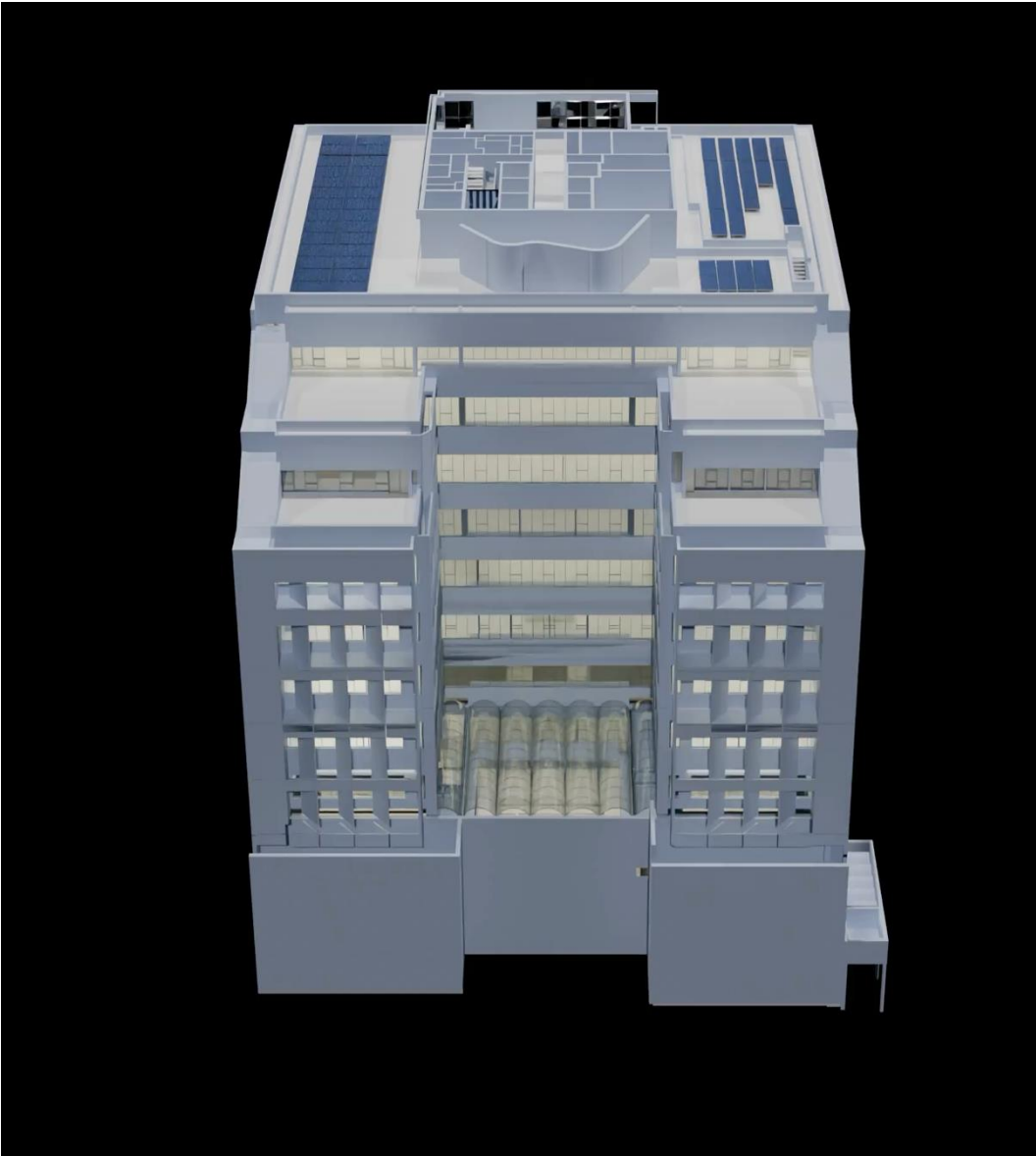
Tygerberg
Hospital



Add Scene

Collapse

Digital Twins



The next step is linking our building models to live IoT sensors

Facility Condition Assessments



Western Cape Government
FOR YOU

Financial Year Comparison Summary Table

El; GI; HI

Portfolio

Multiple selections

Property Ownership Status

OWNED

Facility Type

All

Utilisation

All

Description	2026	2027	Difference
Facility Count - All	2585	2667	82
Facility Count - Single User	2463	2463	0
Facility Count - Shared	26	26	0
Effective Site Area (sqm)	5,759,475,860	4,535,542,390	-1223933470
Constructed Area - sqm	9,476,485	9,451,186	-25,299
Estimated CRC of Improvements (R)	R137,404,727,933	R137,158,349,637	-R246,378,296
Estimated value of used Land (R)	R39,890,411,227	R41,402,732,261	R1,512,321,034
Estimated FCA survey cost (incl VAT)	R418,400,386	R403,869,404	-R14,530,982
Escalated FCA Total Repair Needs Cost Estimate (R incl VAT)	R19,978,395,649	R17,462,780,385	-R2,515,615,263
Project expenditure on repairs since last FCA	R1,464,126,981		-R1,464,126,981
Repair Cost Estimate balance (Removal of (-))	R19,396,833,661		-R19,396,833,661
Modelled Total Property Replacement Value	R177,295,139,160	R178,561,081,898	R1,265,942,738
Long Term Annualised Renewal and Repair Need (R incl VAT)	R5,150,123,611	R5,143,644,542	-R6,479,069
Long Term Annualised Minor Maintenance Need (R incl VAT)	R1,990,767,167	R1,987,527,818	-R3,239,348
Total LC cost p.a.	R7,140,890,778	R7,131,172,361	-R9,718,417
CGI – GIAMA (from last FCA) rolled up on CRC	3.26	3.37	0.11
Deteriorated/Improved CGI - Portfolio - GIAMA	3.18	0.00	-3.18
Municipal Value from IAR	R35,100,650,135	R35,100,650,135	R0
Number of Facilities Poor (C2) and Very Poor (C1)	1030	530	-500
Repair cost estimate for Poor and Very Poor	R8,282,543,631	R87,625,937	-R8,194,917,694
CRC of Facilities in C1 based on Deteriorated/Improved CGI (GIAMA)	R10,623,882,217	R0	-R10,623,882,217
CRC of Facilities in C2 based on Deteriorated/Improved CGI (GIAMA)	R29,205,682,479		-R29,205,682,479
CRC of Facilities in C3 based on Deteriorated/Improved CGI (GIAMA)	R86,150,963,595		-R86,150,963,595
CRC of Facilities in C4 based on Deteriorated/Improved CGI (GIAMA)	R10,630,424,475		-R10,630,424,475
CRC of Facilities in C5 based on Deteriorated/Improved CGI (GIAMA)	R793,775,167		-R793,775,167

Summary Charts

Master Facility Summary

C-AMP Ann 2 – Performance

C-AMP Ann 3 – Lifecycle

Portfolio Overview

Summary Charts

Maps

Latest FCA Outputs

FCA Programme Roll-out

Field Capture

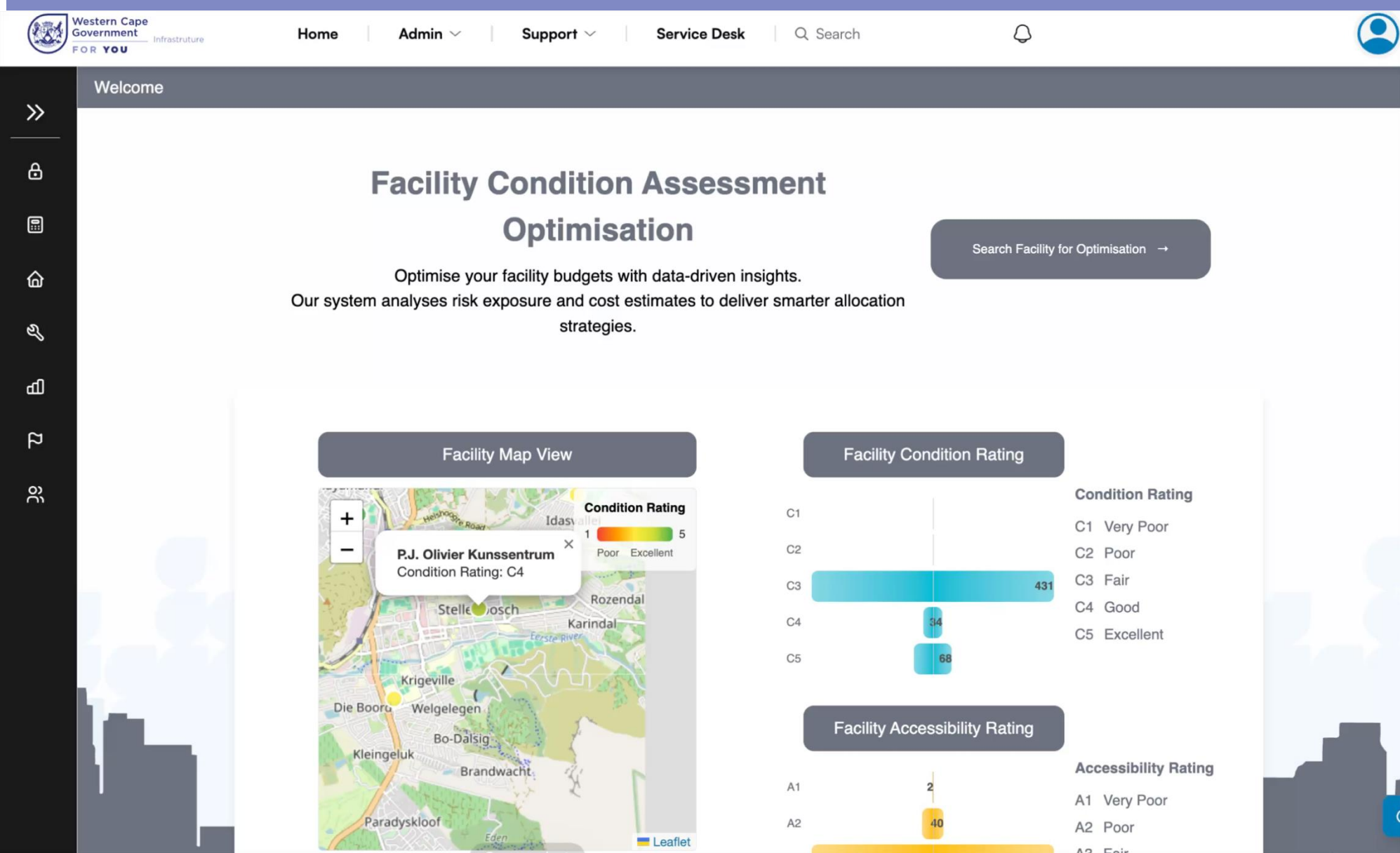
Remote Sync to eMerge

Reporting and Analytics

Connected to Asset Register



Maintenance Budget Optimiser



Prioritise
Maintenance
Budget

Improve value for
money delivery

Evidence based
infrastructure
investment

C-AMP Trend Analysis with AI

Earlier identification
of maintenance
priorities

Improved long-term
maintenance
planning

Data-driven
infrastructure
investment
decisions

>>

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⚙️

>

Your C-AMP AI Business Intelligence Expert

I'm a handy supervisor-led multi agent expert that connects to a SQLite database of the C-AMP data tables. You can ask me Business Intelligence and Data Visualization Questions regarding the data in the database.

Example Questions ▾

🏠 How can I help you?

📄 🔄 🗑️

Prepare a table of all assets where Asset Type is Clinic with a Remaining Life % greater than 0.8 for the financial year 2024/2025, including their Asset Description, Physical Address, Condition Assessment and Applicable Strategy.

ASSET DESCRIPTION	PHYSICAL ADDRESS	CONDITI...	APPLICABLE STRATEGY
Buffelsjagrivier Clinic	C/o Olivedale and Stout Avenue, Buffelsjagrivier	C4	Group A - Preventative Ma
Kuyasa Clinic	Qhawa Street, Thembaletu, George	C4	Group A - Preventative Ma
Windmeul Clinic	R44 Windmeul Winery, Vryguns Road, Wellington	C4	Group A - Preventative Ma
Thembaletu Chc	Ngcakani Rd, Thembaletu, George	C4	Group A - Preventative Ma

A digital landscape featuring a wireframe city skyline on the left and three wireframe wind turbines on the right, set against a dark, hazy background with a grid-like terrain in the foreground.

Building the Digital Ecosystem for the Future of Infrastructure