



The Data Backbone Of Connected Infrastructure

Geospatial + BIM + Digital Twins:
Enabling Connected Infrastructure Systems





VISION

To enable Smarter and Faster decisions for the built environment.

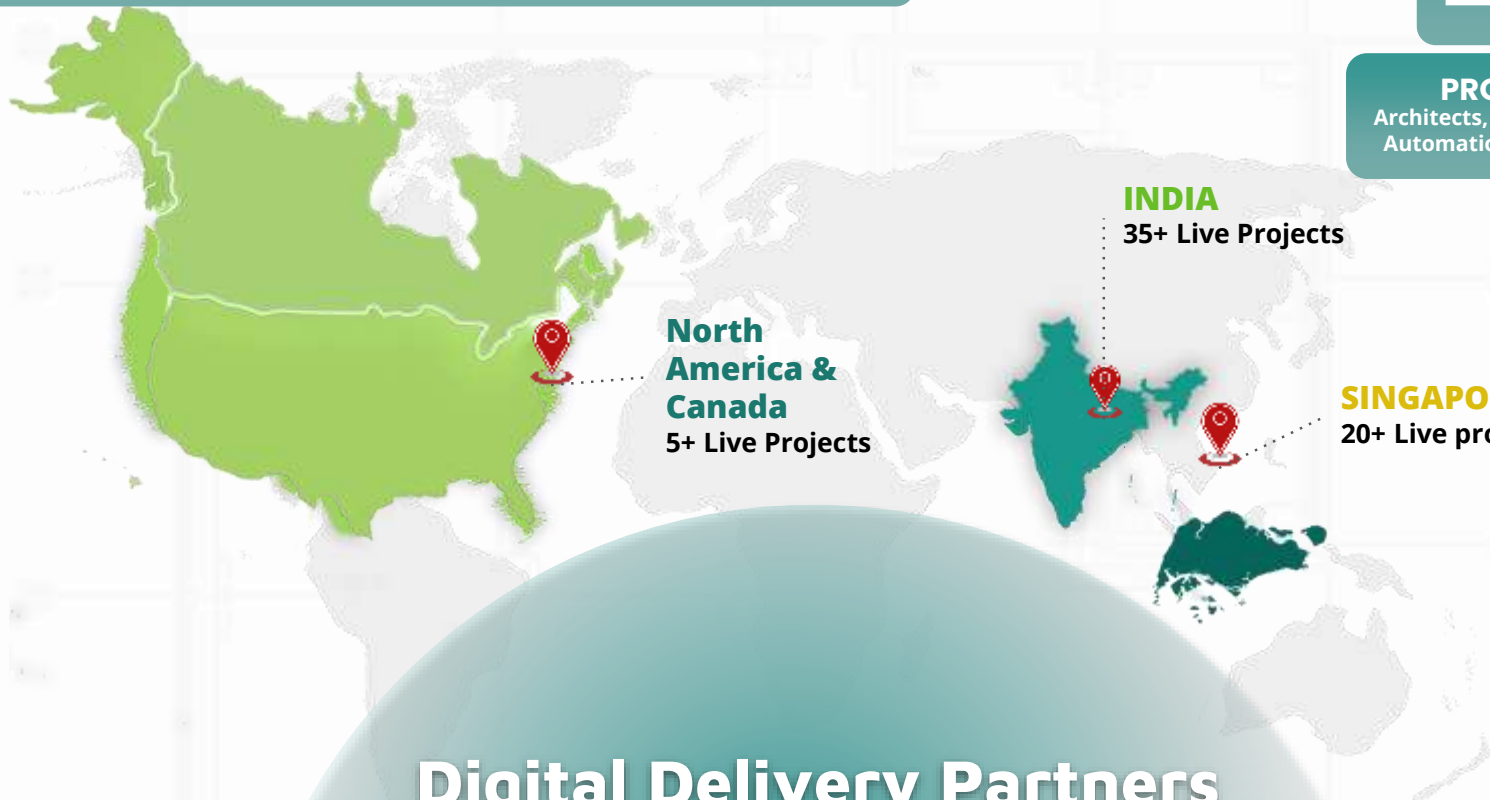
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PROFESSIONALS

Architects, Engineers, BIM Experts,
Automation Experts, Technocrats



North America & Canada
5+ Live Projects

INDIA
35+ Live Projects

SINGAPORE
20+ Live projects

Digital Delivery Partners
80+ Clients



Trusted By Top Blue Chip Companies

80+

Organisation Partners

300+

Projects Done

\$7 Billion+

Live Projects of value using Arth

Welspun[®]

ME meil

adani

Airports

TATA PROJECTS
Simplify.Create

GAMUDA

DLF

HYUNDAI
ENGINEERING & CONSTRUCTION

PENTA-OCEAN
CONSTRUCTION CO., LTD.
五洋建設

GAR

MEINHARDT
EPC INDONESIA

ICD Group Company
SSANGYONG
Engineering & Construction Co., Ltd.

LODHA

Godrej

DAEWOO E&C

LARSEN & TOUBRO

AFCONS

GAMMON
Builders to the Nation

ALEMCO
ELECTRO-MECHANICAL CONTRACTING

URBAN ONE
builders

鹿島
KAJIMA CORPORATION

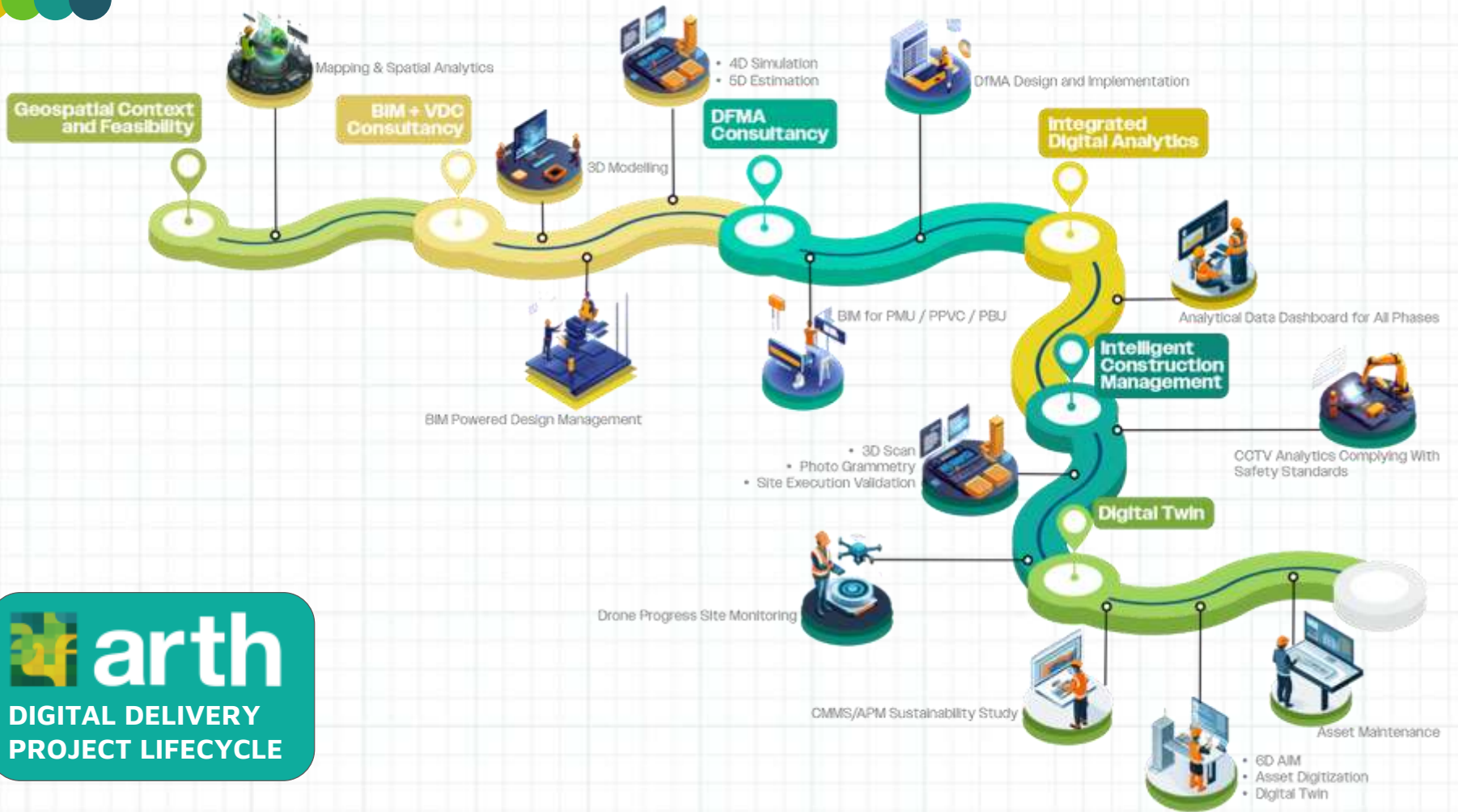
Land Transport Authority

JLL

AECOM

Mahindra
Lifespaces

TAKENAKA



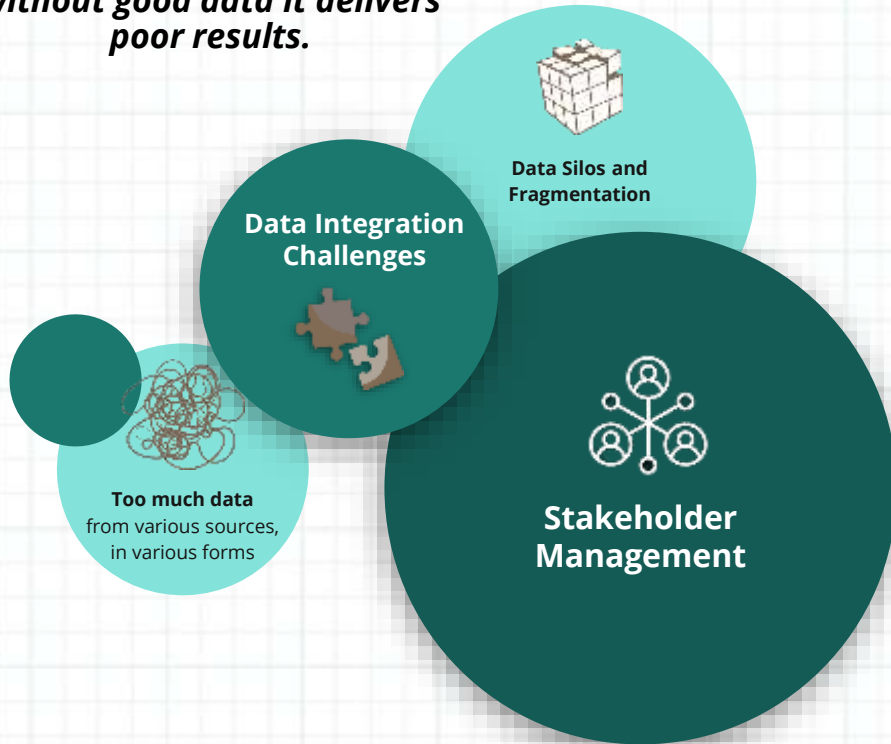


From Models to Meaning: Building Connected Infrastructure with Geospatial, BIM & Digital Twins



WHY This Matters to AECO Industry

AI is The Future,
but
*without good data it delivers
poor results.*

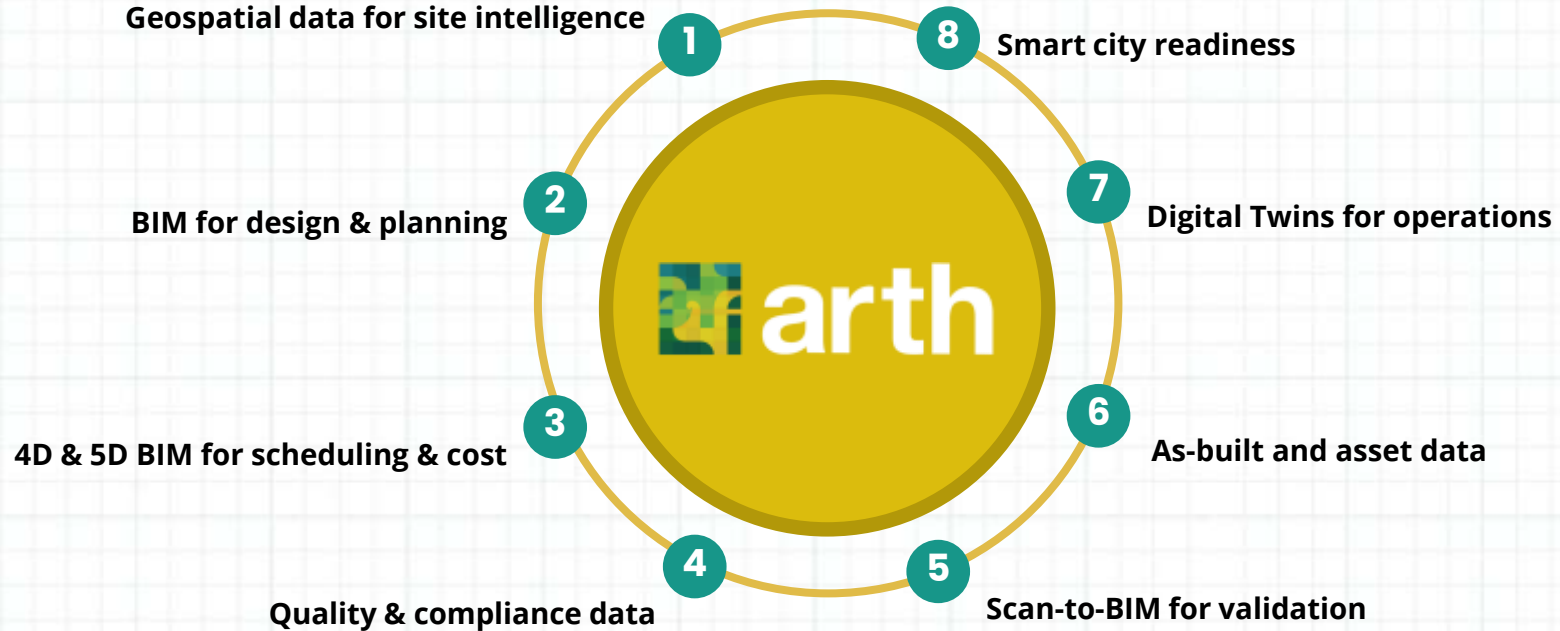


The opportunity lies in creating these **connected ecosystems.**

A system where **Geospatial Intelligence, BIM detail, and Operational Data converge becomes backbone.**

True integration ensures information flows *from design to operations.*

Vision : Connected Infrastructure Systems



Flip The Paradigm: Start With End In Mind.

A connected ecosystem where:

Design models feed
construction workflows

Construction data
enriches as-builts

Operations leverage BIM +
IoT + CMMS in Digital Twin

Geospatial inputs tie assets
into city-scale context

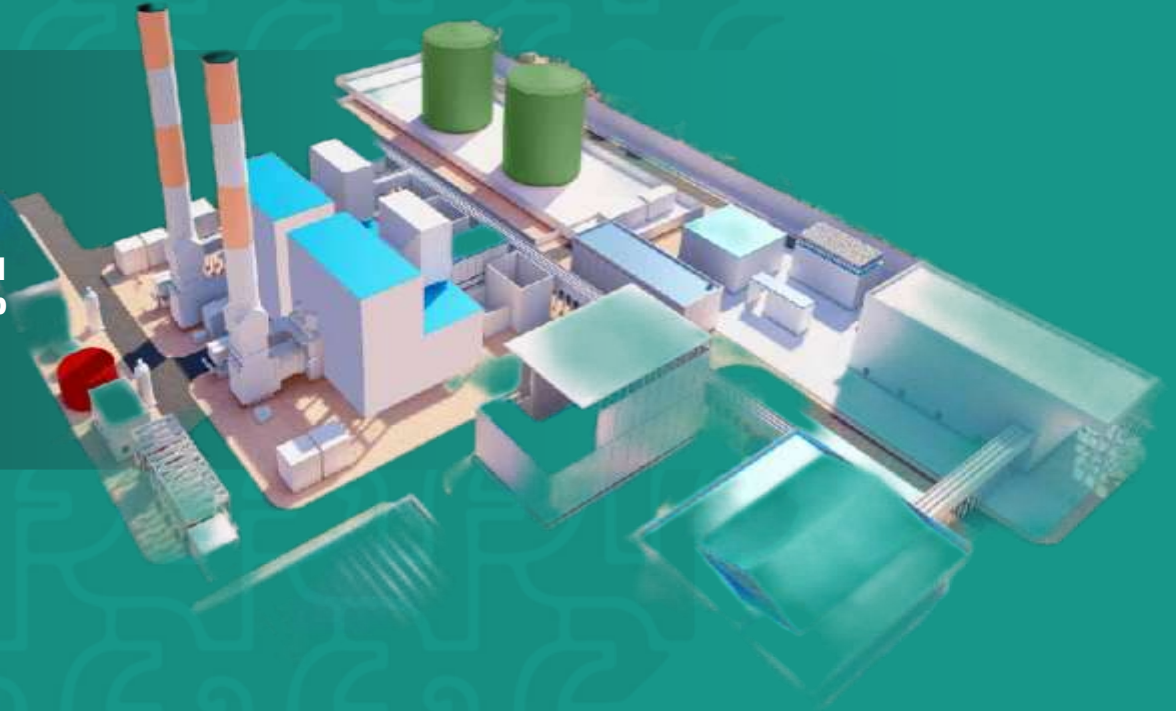




Case Study

Critical power generation facility:

26 month timeline, Arth collaborated closely with EPC and plant leadership for an end to end Integrated Digital Delivery



Integrated Digital Ecosystem From Inception → Operations

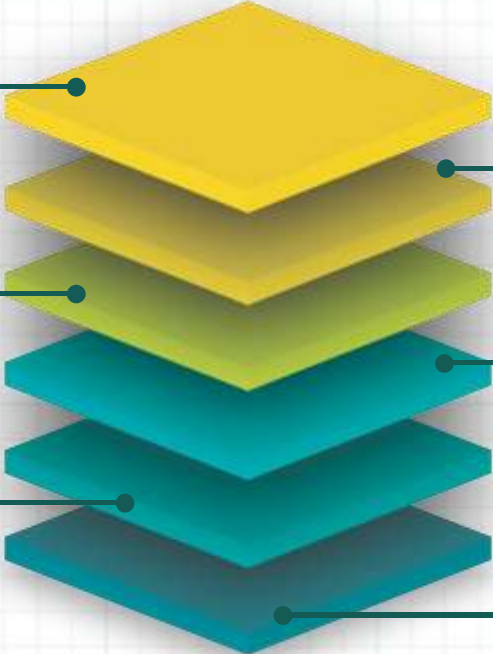
Digital Twin powered by IoT



EDMS for workflow + docs



Real-time issue tracker



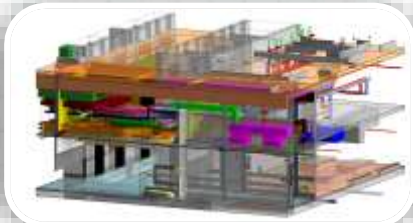
CMMS for lifecycle mgmt.



Digital PTW system



Combined BIM model



Challenges We Solved

Manual issue tracking



Real-time collaboration

Paper PTW



40% faster applications

Document chaos



20% faster approvals

No live site visibility



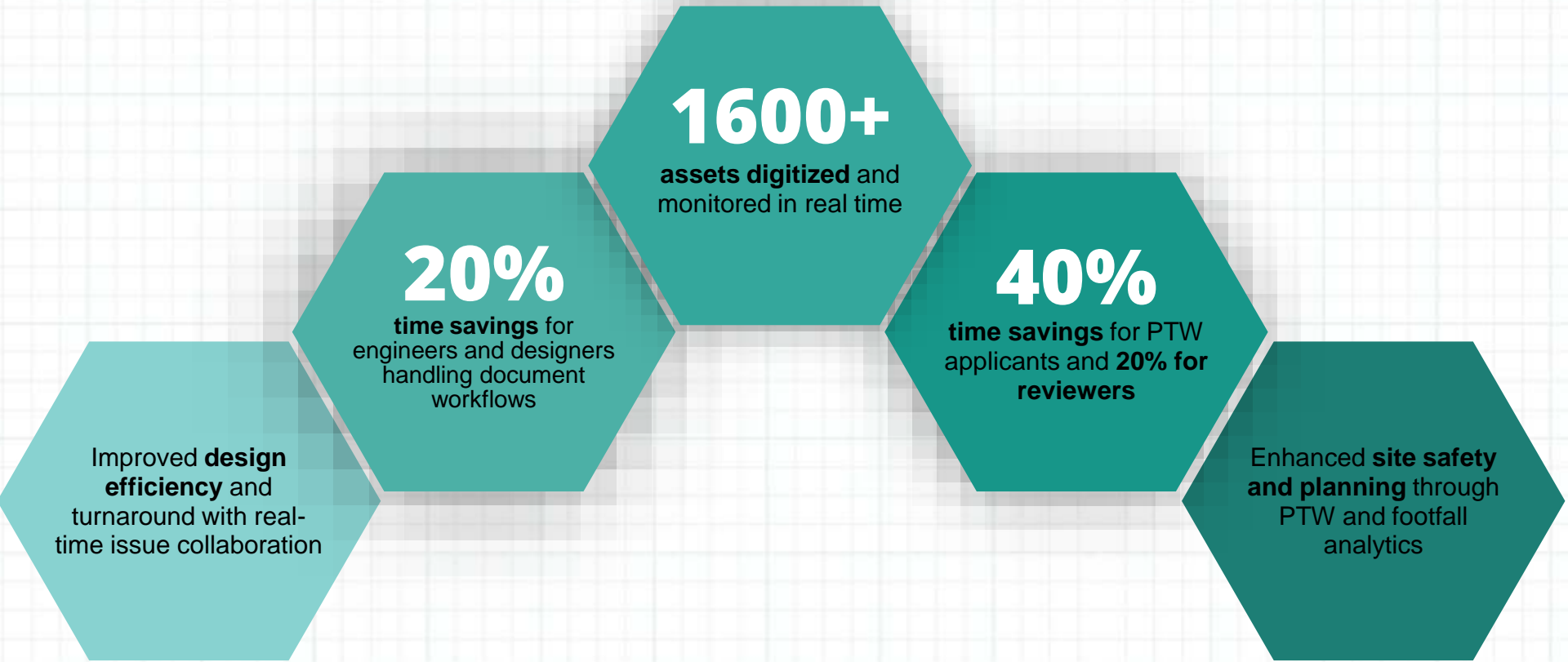
Analytics-driven safety

Lost design information



Operational digital twin

Impact Created



Improved **design efficiency** and turnaround with real-time issue collaboration

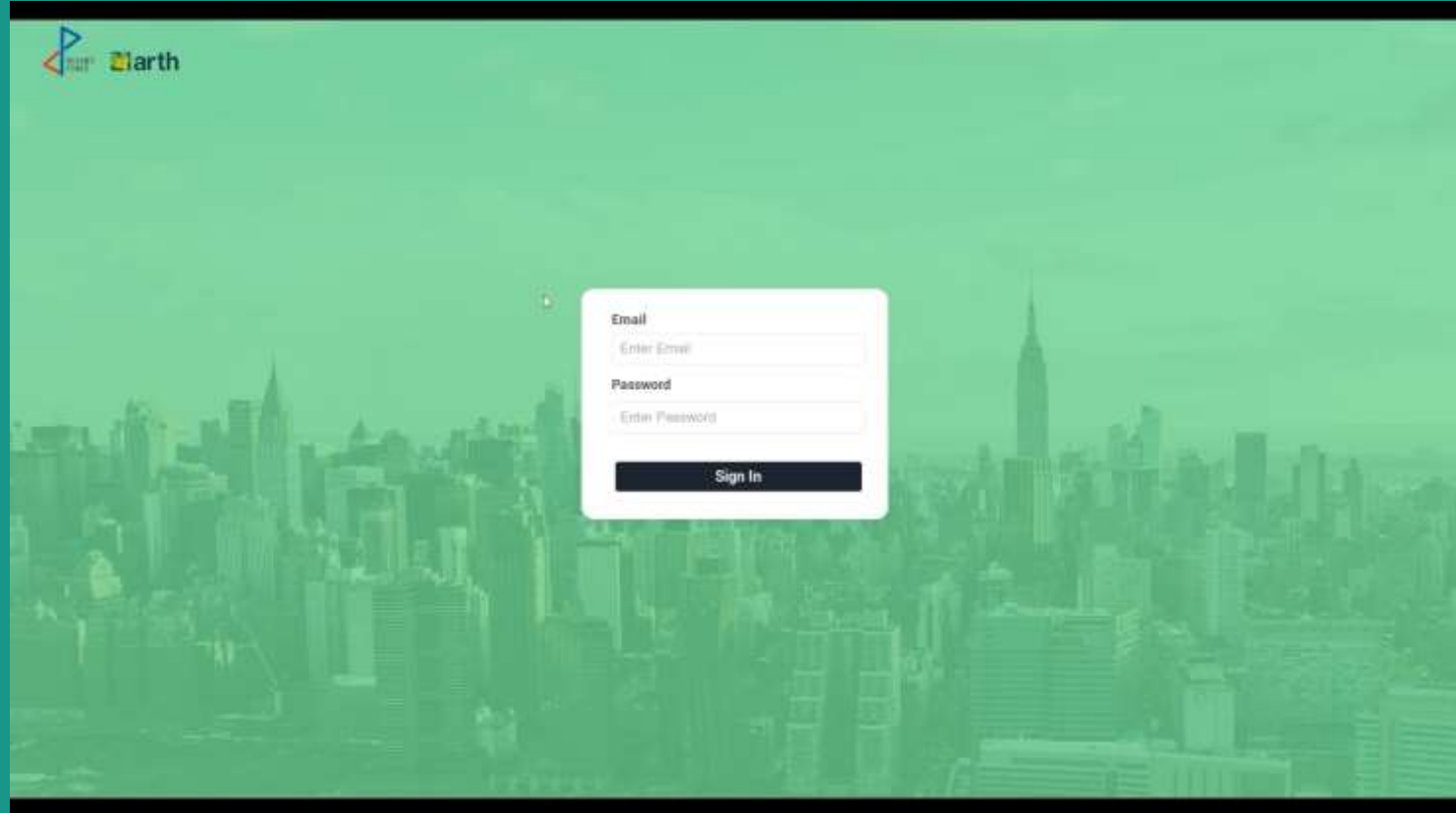
20%
time savings for engineers and designers handling document workflows

1600+
assets digitized and monitored in real time

40%
time savings for PTW applicants and **20% for reviewers**

Enhanced **site safety and planning** through PTW and footfall analytics

Real-Time Asset Visibility With Gamified 3d Twin



Real-Time Asset Visibility With Gamified 3d Twin



Discipline, Data and Integration is The Path To Connected Infrastructure

Data is the foundation for AI

AI + Geospatial Context + BIM + Digital Twins will unlock predictive operations.

The future of infrastructure is connected, data-driven that makes it resilient.

Discipline in data management = long-term efficiency

Thank You!

Achievements, Accolades, Awards



Member of

