PLACE FUTURES NOTE

PlanTech x UrbanTech

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PlanTech

What is it?

The act of using digital technology and data tools to enhance the planning process.

Technology and data used to support

Zoning | Development codes | Community engagement | Development assessment | Scenario modelling | Policy development

What it can influence

Planning | Design | Construction | Operation | Services

The opportunities

Greater transparency

Data activation platforms can bring to life insights in a more transparent way, offering greater rigor to planning processes and building trust with the community

Technology can speed up planning

Platforms and digital tools that offer advanced analytics, automation and artificial intelligence can result in better planning outcomes for the community

Data can offer greater planning insights

Blending data, including fast and slow data, public and private data and community generated data

Improve social and environmental outcomes

Free up time for planners to tackle core sustainability challenges and test and refine policy with new data assets

Enhanced engagement

Greater communication with the community, awareness and access to planning processes and deeper participation in developing policies and making decisions.

UrbanTech

What is it?

The act of using digital technology and data tools to enhance urban outcomes in our communities.

Technology and data used to support

Built form design and management | Landscape management | Economic development | Mobility investment | Utilies development and operation | Public service delivery

What it can influence

Planning | Design | Construction | Operation | Services

The opportunities

The internet of things can help optimise

IoT sensors and communication networks can capture urban data sets that support better asset management, place management and economic development

A Digital Twin way of master data management

Digital Twins can offer a 'single pane of glass view' of an organisations integrated data management processes

Connectivity to bridge the digital divide

Councils and land authorities can work collaboratively with the private sector to ensure digital infrastructure is located where it best delivers community value

Taking the pulse of urban life

With the significant quantities of community generated data flowing in real time, big data analytics offers insights into what the community is thinking and feeling

A new mobility

Technology now powers much of the way people, food and goods move about, offering a new source of data for good.

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