

Liveability and Smart Cities

Embracing Liveability and Smart City Technologies in
Urban Living Labs

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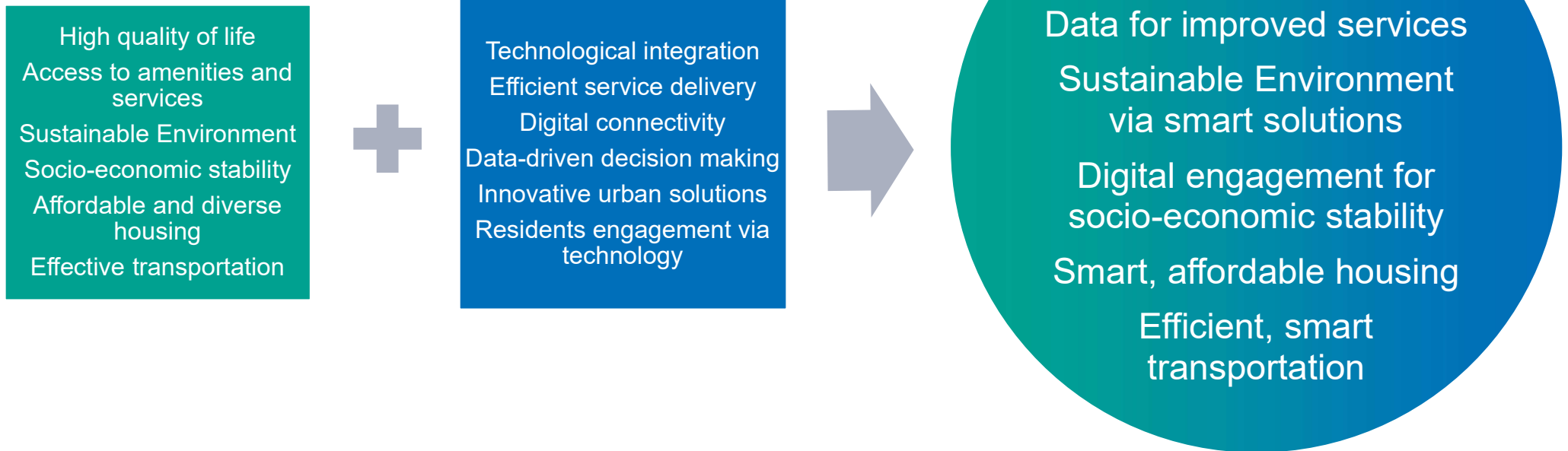
Agenda

- Welcome & Introduction
- Definitions: Liveability and Smart City
- Place Intelligence & Insights
- Case Study 1: City of Darwin – Switching on Darwin (Smart Darwin)
- Case Study 2: City of Darwin – Greening Darwin Strategy
- Lessons from Case Studies
- Future Opportunities for Darwin
- Challenges & Solutions
- Questions

Definition of Liveability & Smart Cities



Definition of Liveability and Smart City



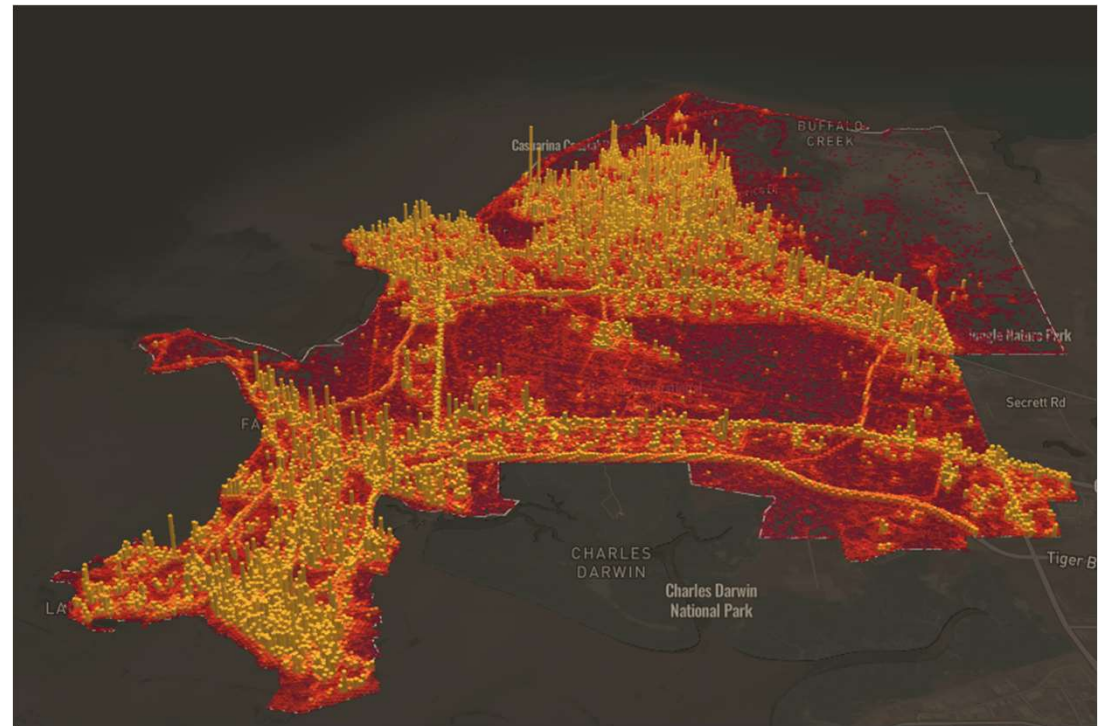
Both sides of same coin

Place Intelligence & Insights



Place intelligence & Insights

- Data to help shape people centric places
- Data to provide insights for planning
- Insights dashboards
- Virtual and Digital Twins
- Current state & Future state
- Scenario planning



Data for Decisions

Case Study: Switching on Darwin (Smart Darwin)



Case Study – Switching on Darwin (Smart Darwin)

- Community Safety: Reduce anti-social behaviour and increase insights for emergency services.
- Better Services: Improve Council services and create efficiencies to minimise costs.
- Environmental Sustainability: Reduce energy consumption and carbon emissions, and improve understanding of heat, weather and environmental events.
- Planning: Use technology and data to inform evidence-based planning and design to enhance liveability.
- Innovation: Unlock innovation and create new business opportunities with new data sets available to the community and business sector.
- Improving Public Spaces: Enhance public spaces with Wi-Fi, improved lighting, parking and understanding movement throughout the city.



Case Study: Greening Darwin Strategy



Lessons from Case Studies



Lessons from the Case Studies

Greening Darwin Strategy

- Community involvement is key to success.
- Liveability and sustainability are interconnected.
- Green initiatives enhance urban resilience.



SmartDarwin

- Technology can significantly boost urban efficiency.
- Data-driven decisions are critical in smart city strategies.
- Public-private partnerships can drive smart city initiatives.

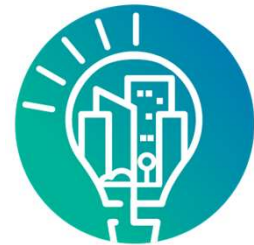
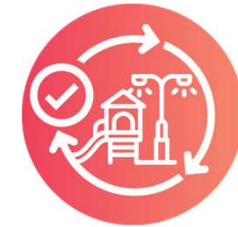


Future Opportunities for Darwin



Future Opportunities for Darwin

- **Digital Darwin:** Envision enhanced citywide digital connectivity, smart traffic and parking systems.
- **Green Spaces:** More urban farms, rooftop gardens, and native parks, reducing urban heat and boosting community interaction.
- **Sustainable Homes:** Affordable, sustainable housing can reduce energy consumption and improve living standards.
- **Resident Science:** Darwin's residents can shape their city's future, reporting environmental data and participating in urban planning.
- **Green Transport:** Electric buses, shared electric vehicles and bike-friendly infrastructures will transform Darwin's transport, reducing emissions and improving air quality.



Challenges and Opportunities



Challenges and Opportunities

Challenges

- Rapid Technological Change
- Environmental Impact
- Data Security & Privacy
- Inclusivity
- Funding

Opportunities

- Continuous education & tech upskilling programs
- Sustainable urban planning & green initiatives
- Robust cybersecurity measures & clear data policies
- Ensuring digital services are accessible & affordable for all residents
- Exploring public-private partnerships & innovative funding models

Questions



darwin.nt.gov.au