



USE CASES IN BRAZIL OF SMART SUSTAINABLE CITIES

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Agenda

- National IoT Plan
- Use Case Playtown
- Use Case Living Lab



National IoT Plan - Brazil

- Diagnosis and Aspiration
- Relevant horizontal requirements
 - ✓ Investment
 - ✓ Human Resources
 - ✓ Conectivity and infrastructure
 - ✓ Regulatory issues
 - ✓ Privacy data and Cybersecurity



National IoT Plan - Brazil

- Verticals Domains prioritized
 - ✓ Smart Cities
 - ✓ Rural
 - ✓ Manufacturing
 - ✓ Healty

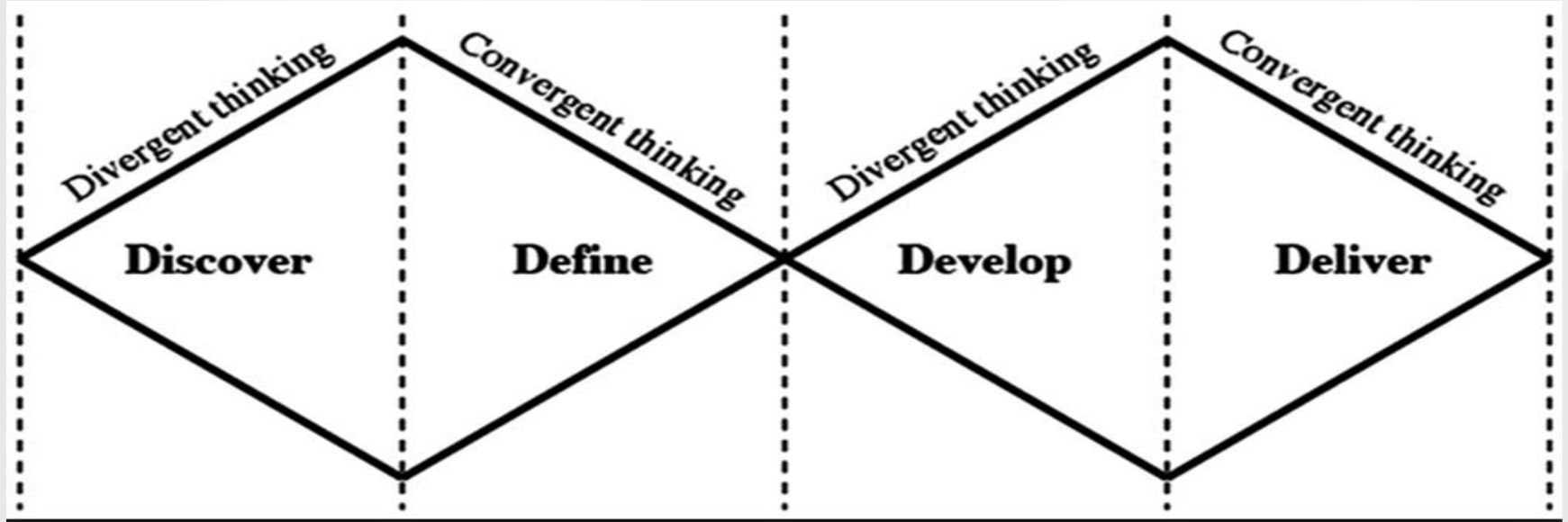


Use Case Playtown



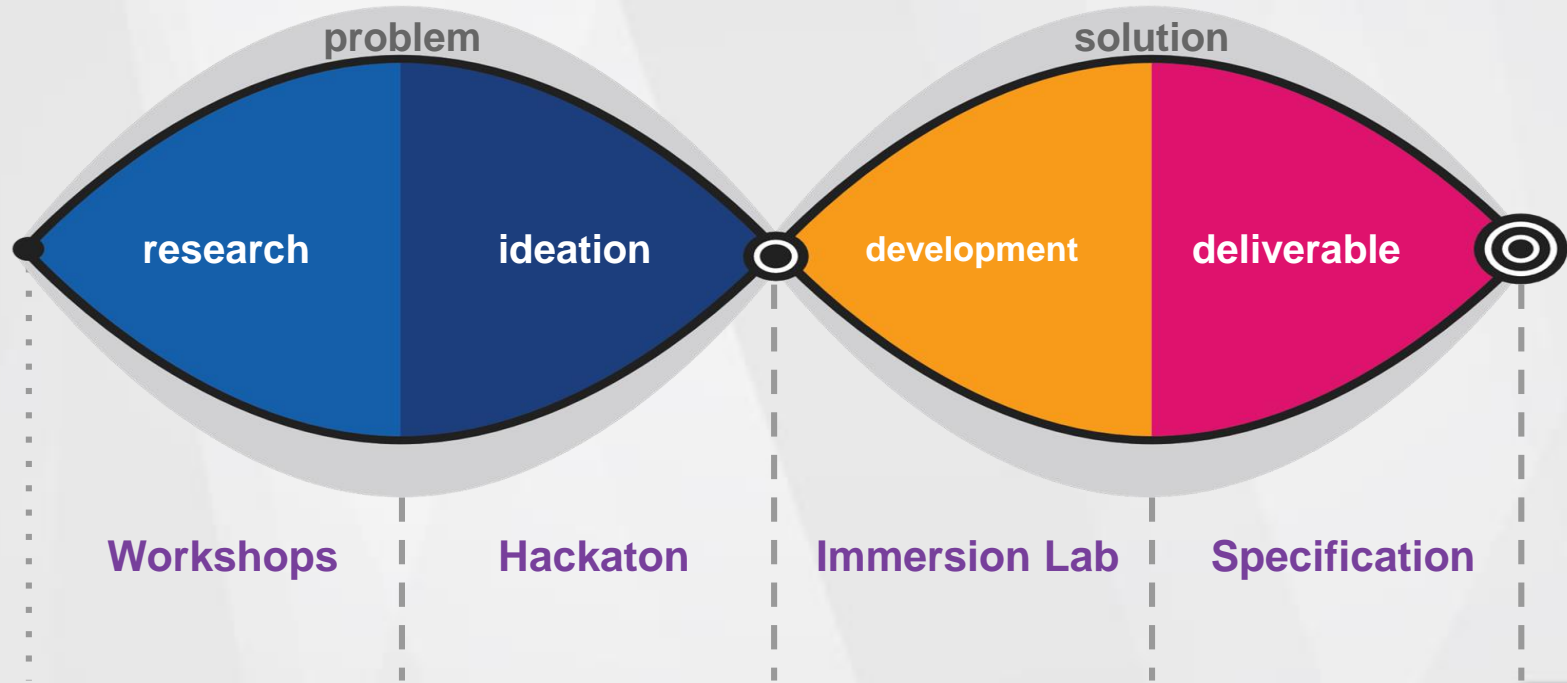
Use Case Playtown

inspiration



Use Case Playtown

process



Use Case Playtown - Results

- Poetry on the Streets
- Feelings Furniture
- Frevo jump
- Haunted Tunnel



Use Case – Living Lab - Scenario

- ITAIPU TECHNICAL PARK (PTI)
 - Created by Itaipu with a focus on boosting economic, tourism, technology and sustainable development in Brazil and Paraguay
 - Controlled environment to conduct research
 - It has approximately 50.000 m²



Use Case – Living Lab - Project

- Integrating all existing technologies in the park (electric vehicles, shared bicycles, smart meters, etc.) through the construction of an Operational Control Center (OCC) and installing new Intelligent Public Lighting technologies and monitoring using Drones.
- Demo environment for mayors
- Environment of new technology development and product testing for the Smart Cities vertical domain



Use Case – Living Lab - Project

- MoVE - Electric Vehicle Sharing and Monitoring Platform
 - Allows the sharing and monitoring of the cars
 - Easy management of monitored vehicles
 - Real-time control
 - Dashboard with indicators
 - Cost reduction



THANK YOU

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