Virtual Australia and New Zealand  
21st. Century 'Infrastructure'

**WHAT**

<table>
<thead>
<tr>
<th>Physical Attributes x Time x All Property</th>
<th>Legal Entitlements x All Property</th>
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<tbody>
<tr>
<td>'Authorised Federated Fully-Integrated Secure 3D Data Set' to model the Natural and Built Environment using any Software</td>
<td>All Rights Responsibilities and Restrictions (RRR) relating to each Property under All Legislation</td>
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**WHY**

To provide better, quicker, less costly outcomes for all Property purposes: concept/scenario, rapid prototype, survey, plan, design, engineer, cost, finance, insure, construct, fitout, landscape, induct, manage, lease, value, sell and decommission, as well as for: emergency & essential services, environmental & safety management, transport & logistics, energy & water management, etc.

**HOW**

*Uniform* Legal Framework, based on Principle: Rights in Virtual = Rights in Real

**TECHNOLOGY**

- Underpinning:
- 3D Manufacturers Component models
- 3D Structural, Mechanical and Electrical models
- 3D Integrated Building and Asset Management models and processes
- 3D Spatial models (Location and Context)
- 3D Simulation and Optimizations x Building x Precinct x City x .... Globe

**IDENTITY AND AUTHENTICATION + FUNDAMENTAL DATA SETS**

- 3D Cadastral model of Land Parcel/Property linked to Owner via Title
- Rights, Responsibilities and Restrictions under all legislation geo-referenced to every Land Parcel/Property
- Access x Delegation from Owner under Contract, and Directly under Statute
- 10 Fundamental Data Sets: name & address, etc

**DATA BANK NETWORK**

- All hardware, communications and operating entities to be on Australian/NZ soil subject only to Australian/NZ law
- hold only data set for each object recognised in law for all property purposes
- hold all data 'in perpetuity', regardless of changes in owners and other interests, or changes in technology
- hold copies of all software and virtual hardware used to generate the data and original models
- provide minimum translation between software data formats

**WHO**

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<th>MARKET</th>
<th>GOVERNMENT</th>
<th>GOVERNMENT + MARKET</th>
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Data Banks also provide an unchanging "single point" of contact and a focus for all change management activities required to deliver integration across firms and government.