The Geodaka 'Realverse' Project:

Everywhere on the planet, Everything is digitized, for Everyone accessible to all

The Realverse is a 'Metaverse' based on an accurate geospatial digital projection of the globe (WGS84).

The Geodaka Realverse platform links the **Real World to the Virtual World**

Everything in the Real World can be **digitized**, - hosted on the web 3 Dapp;

creating an accurate **Digital Twin Virtual World**.

The Geodaka Project is a next generation Web 3 Dapp mapping platform and consumer/business application combining GIS mapping (Mapbox), Virtual Gaming (Ureal Engine 5) the Cardano Blockchain Ecosystem protocol (ADA) technologies to create a complete **Virtual Operating System of the real world**.

Real property parcels, 3D buildings and meta map data are re-created in the Realverse projected on the geo-spatial metaverse globe per actual Lat./Long/ location/address.

The Geodaka Realverse is the de-centralized next generation version of 'Google - Maps'.

The Realverse represents a complete and accurate digital duplication of the Real World in which all humanity can participate. The Realverse can literally change to face of the world and help bring about positive change for all the world citizens.

How Does it Work:

Geospatial Information System - 'Mapbox' technology 'WGS84' creates the digital planet and the map hosting-publishing 'digitization' platform. Game Engine 'Unreal Engine 5' technology creates the 3D virtual fly anywhere 'metaverse' environment and Cardano Blockchain Ecosystem web 3 de-centralized proof of stake protocol 'world computer', enables the functionality of secure, trustless DOA creation, NFT (deed) universal Digital Land Title Certificate Deed Registration, smart contracts, digital identity, DEX, Defi, Realfi, peer to peer market place and exchange and finance capability, and 'AI' geospatial applications creating a completely new virtual commerce ecosystem, known as virtual commerce - 'V-Commerce'.

The Realverse Dapp Mapping API creates the universal new world of: **V-Comverse!**

The 6 pillars of component functionality creating the Geodaka Realverse metaverse:

1) Utilization of the WGS84 'World Geographic System'

- Creates accurate standard for the creation of the Digital Twin of Planet Earth.

"WGS84 is made up of a reference ellipsoid, a standard coordinate system, altitude data, and a geoid."
"The World Geodetic System (WGS84) is the reference coordinate system used by the **Global Positioning System**."

Field GPS utilization of this system provides the means on which 'surveyors' in any country can use GPS units to accurately map any corner of any parcel on the globe and the resultant Lat./Long. coordinates will 'fit' onto the world-wide Geo-Parcel planet map. This procedure 'fixes' and standardized all mapping data, regardless of national location and creates a platform for secure, international digital land title registration and certification practice and standards.

Meta map data GIS layers are published onto the WGS84 globe utilizing the 'Mapbox' API platform. Satellite and drone imagery, street maps, address search, digital terrain models, 3D buildings, infrastructure, and resource areas create a complete duplicate of the real world. The platform enables the ability to build smart digital towns and cities. Virtual AEC - Architecture, Engineering and Construction and VR, AR, MR 'AI' BIM Smart buildings and IOT capability can be actualized.

2) Utilization/Creation of International Polygon Geo-Parcel Property Boundary layer:

Utilizing GPS, CAD and GIS mapping creates interactive/verifiable worldwide network of digital public and private land Geo-Parcels. Billions of polygon property boundaries covering the Earth's surface can be utilized to form a global network of interconnected public and private 3D digital properties as well as roads, streets and highways representing an interactive, accurate, GPS geo-located digital twin international standardized 'Assessors' map of every 'real' piece of property, regardless of country location on the planet's surface. **Creates Digital Ownership functionality**.

3) Cardano Blockchain Ecosystem Functionality:

Utilizes the Cardano (ADA) Blockchain Proof of stake layer 1 decentralized, open source 'trustless' Web 3 ecosystem to develop web 3 Dapp functionality: Secure DOA, Tokenization of the Geodaka Native token and spatial side chain can be utilized to create: Secure digital identification, KYC property ownership registration, Non Fungible Token Deeds per registered property to secure Title, Smart 'list', 'buy' 'sell' IOT contracts DEX, Defi, RealFI peer to peer financing, brokering, marketing and exchange.

4) Geo-Parcel Property identification Map Markers:

Each registered property Geo-Parcel will receive a 'smart' customized Map Marker 'hologram' that appears hovering over the property on the world-wide map. The Map Markers identifies what type 'zone' of property: public, private, residential, business, corporate the Geo-Parcel is. The 'AI' smart search Geo-Parcel map marker @ each address/location is 'click' linked the parcel to property web ledger panel dialog box from which 'infinite' data and functionality can be linked. The registered property owner literally owns the digital space, including all rights and privileges of real space, When clicked each marker brings up a web panel page (similar to Google Maps) of the property. Instead of a central corporate of government body owning the geo-space, the actual property owner owns and controls the digital twin geo-space.

5) Geo-Parcel web ledger panel ledger dialog box linking mechanism and and **Digitization Platform**:

The web ledger panel map and dialog box containing programable spaces and tabs linking 'infinite' public and private data: The owner can post images, videos and social media links through drag and drop functionality. The NFTD's that are created are linked and can be scene by clicking on the NFTD link tab. Complete public governmental: assessors info, registry of deeds; deeds, plats, maps, can be linked. Utilizing drones, scanner and 3D cameras complete 3D virtual models of exterior

site and interior building are created and hosted on the panel. One click bring VR, AR, MR capability to each digitized property.

6) Digitalization Network/Platform:

An international network of thousands of jobs can be created to 'digitize' the world. In many parts of the world there are no Land Surveying and Mapping standards. The Geodaka Realverse community can enable local networks of surveyors who can utilize GPS, coordinate geometry and CAD to locate and 'fix' real property on the earths surface that fits into the Geo-Parcel network. Once geo-fixed by standardized GPS/COGO and properties location, shape and boundaries become internationally can own, and fixes, greatly enhancing value and utilization for the developing and developed world. Drone and laser scanning contractors can lidar/image sites and buildings creating coordinated point clouds of the exterior 'pix4D' and interior 'Matterport' virtual models. The point clouds are utilized to create accurate 3D 'SketchUp' rendered models of buildings and properties, creating 'smart' sites. Smart site properties will become extremely valuable, perhaps more valuable than real real-estate because every aspect can be 'visited', rendered, marketed and exchanged in a much more secure digital environment. Any seller can meetup with any buyer of any property, good or services, instantly, virtually – worldwide.

These functionalities create a platform on which complete: VR, AR, MR functionality can be brought everywhere, to everything and to everyone. Economies of scale, open-source coding and de-centralized apps will vastly improve utilization, efficiently and productivity so that the Unbanked, Unfinanced, Unconnected, Un-registered can Geo-Locate their land and property, have it digitized and join the entire world V-Commerce ecosystem.

Use and Utility of the Geodaka V-Comverse Realverse Project:

Charles Hoskinson founder of Cardano:

"Virtual Real Estate will be worth as much if not more so than physical real estate, tens of trillions of dollars. In 5-10-15 years if the community wants to do that is an ideal example of use and utility and vision. We can offer a de-centralized version of that example of utility of the blockchain."

That decentralized version is the **Geodaka Project Realverse**:

- Cardano Blockchain Financial Ecosystem enables creation of geospatial side chain and or Native Token IDO, (ISO) EEE (Everything, Everywhere, Everyone) token offering creating a DAO (Decentralized Autonomous Organization) financial operating system to fund and govern the Geodaka Realverse project.
- Brings V-Comverse to the entire world – bring positive changing to the face of the world.
- Creates universally verifiable Geo-Parcel and Geo-Identity digital property 'rights' per real world address.
- Creates verifiable digital property registration/ownership to the developing world where none exists.
- Cardano Blockchain Financial Ecosystem enables complete de-centralized proof of stake, environmentally friendly Dapp functionality.
- Creates functionality for native tokens, NFT (deeds), smart land title contracts, digital identification, Defi, RealFi, DEX and peer to peer currency exchange and scalability.
- Land Title Registered (developed world) and Unregistered property owners can digitally register land and property (registering the unregistered and the paper registered)
- Creates international digital twin virtual land and property Land Title Registry ownership platform.
- Creates superior 'Google Maps' type web 3 functionality platform with custom smart marker and dialog box where verified business and property owners/managers can register, and post infinite virtual data cost effectively connecting to the entire virtual world.

- Provides GPS property survey and real parcel registration/location platform.
- Provides digitization capability for the entire world.
- Every property can be drone flown and 'Matterported' enabling 'AI' VR, AR, MR capability.
- Creates international virtual real esate market place where any property can be geo-located, digitized and NFT smart listed to an 'AI' algorithm international property listing platform - Geo-Listed for sale.
- Facilitates NFTD secure Land Title Registration and peer to peer exchange.
- Permits peer to peer low or no commission Land Title Sale and Exchange.
- Provides web 3 Dapp Google Maps type business virtual platform. Essentially can digitize and instantly market to the entire world.
- Cardano stable coin Djed provides secure, fast, low-cost decentralized peer top peer secure payment system.
- Creates global digital marketing system for property, manufactures, goods, services, and consulting.
- Virtual AEC platform on which to build BIM smart property, buildings and infrastructure.
- Complete, de-centralized, non-governmental digital twin virtual towns and cities will be built owned by the citizens, not the governmental or corporate entities.
- Bring standardized digital ownership, connectivity and value to any person in any nation.
- Any 'paper' property can become smart digital property vastly improving utilization, marketability and value.
- Enables global peer to peer 'micro' fractional real estate financing. Once located, digitized and 3D built, all aspects of property can be 'AirBnB' utilized.
- Eliminates need for Google Maps type API's, central banks, credit card companies, real esate broker and agent, paper assessors and registry of deeds.
- Geo-land Title becomes Non-Fungible, stored forever on the blockchain.
- Enables 'AI' list, search/buy/sell/marketing and exchange virtual functionality.
- Dislocation and replacement old world centralized paper title, marketing, exchanging, mapping, assessing, appraising and Land Title Certificate registration.
- Dislocation/Replacement of old-world cloud apps:

  > Amazon, Google Maps, Craigs List, Angi's, MLS, Zillo, Redfin, Linked In, Airbnb, Apartments.com The list is endless.

Everything is better, cheaper, faster and more valuable in the Geodaka digital Realverse.
Every centralized cloud server-based app can be dislocated and replaced with a superior ever evolving de-centralized web 3, proof of stake SPO network 'world computer' Dapp running on the Cardano Blockchain Ecosystem.