From Individual Points to integrated geo-Clusters | Like the Cell Phone to Smartphone Evolution

"One-Click"

*in-built geo-spacial intelligence for Legacy and AI**

by THE GREEN BRIDGE Ing. GmbH (TGB)

*Glossary at the last page

PROBLEM

➢ GLOBAL ISSUE

ERP and GIS Big Data is everywhere and needs automated end-to-tend processing with BI, ML and AI.

➢ BI, ML and AI need Data CLUSTERS

Data Clusters are the basis for Data Patterns, Trends and Automation, especially for geo-Information.

➢ geo-Information is “analog” and rigid

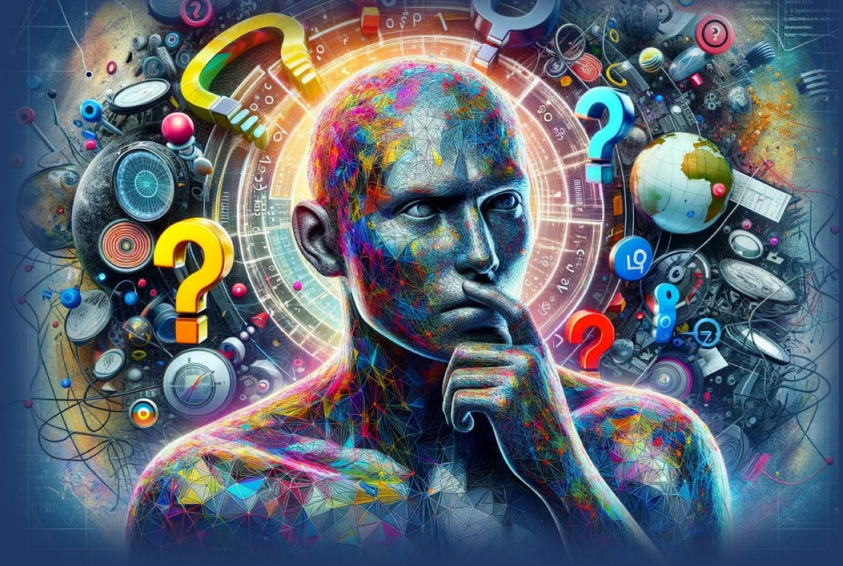
Current solutions are based on standards from the 1990th and are based on physical Point-Objects.

➢ Limited Data Utilization & Lost in time and resources

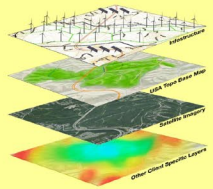
Raw-Data has no in-built geo-spacial Intelligence.

Must be complex preprocessed for BI, ML and AI.

THAT IS WHY!



ML and AI are struggling with current geo-Data



Standards from 1990th
Data Collection
Data Preparation
GIS - Objects
GPS – Positions

delivers

absolute

Information

Missing geo-Clusters

GAP

consumes time & resources

state-of-the-art dilemma

current demand
Processing
Post-Processing
ANALYTICS & AUTOMATION

needs

relative

Information

SOLUTION

➢ THE KEY: Geo-Clusters vs. Point-Objects

Converting Points, Lines and Polygons in unified geo-spacial Equivalents, **Open AreaSeals (OAS),** is the gamechanger.

➢ THE ENABLER: Unique Global vs. Individual Local

Virtual, globally pre-defined multilayer Grid acts as geo-spacial unique Identifiers, matches any Information to the same base.

➢ THE CLUE: Data Enrichment vs. Pre-Processing

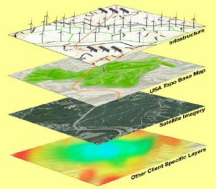
ERP and GIS Raw-Data converted to and enriched with OAS , makes geo-Information instantly accessible for BI, ML and AI.

➢ THE IMPACT: Full Data Utilization with Ease

In-built geo-spacial Intelligence via unique spacial-joins allows real on-the-fly and closed-loop handling of Big Data, safes a lot of time and resources across Regions and Domains. Optimized for BI, ML and AI processing. Heralds a new era in the handling of geo-Information.

THAT IS HOW!

ML and AI can understand geo-Data



Standards from 1990th
Data Collection
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delivers

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Integrated geo-Clusters

BRIDGE

saves time & resources

close the gap seamlessly

Open AreaSeals

current demand
Processing
Post-Processing
ANALYTICS & AUTOMATION

needs

relative

Information

CORE TECHNOLOGY

database in-build geo-special Intelligence

TGB's technologies herald a new era in geo-spatial data management, streamlining and enhancing data utility on a global scale.

THE GRID: A geo-referencing system using Open AreaSeals, enabling precise location mapping and seamless data integration across platforms.

THE BASE: Grounded in the open geoGRIM-SQL-Schema, it's the backbone for managing and deploying structured geo-spatial data, facilitating comprehensive data analytics and decision-making.

THE GRID and THE BASE constitute a GIS revolution, unlocking the full potential of geo-spatial information and driving progress toward a smarter, sustainable future.

BUSINESS

THE GREEN BRIDGE

We at TGB are global Technology Leader for:

- unified in-time geo-Clustering
- agile management of dynamic spacial Information

With the **TGB**.*world* Platform, we are providing an ultra-scalable SaaS solution to monetize across regions and sectors with ease on a large scale.

live

www. **TGB**.*world*

We **enrich raw geo-Information** via “One Click” with global, **standardized geo-Clusters**

easy geo-data **Integration**

easy geo-data **Synchronization**

easy geo-data **Analytics**

easy geo-data **Automation**

live **TGB*cloud***

provides computational APIs to automize workflows with ease.

beta **TGB*maps*** & **TGB*store***

provides everything for automated and manual end-to-end workflows

beta **TGB*snapper***

our one-stop-shop mobile app for data exchange, fully customizable

80%

more efficient
Data
Integration

90%

more efficient
Data
Analytics

100%

in-time
Data
A viability

CUSTOMER VALUE

Understanding the Return of Investment (ROI) for "smart geoGRIM" entials examining the tangiblele benefits that organizations can expect from its implementation.

In the realm of geospatial data management, "smart geoGRIM" emerges as a groundbreaking solution designed to significantly enhance efficiency, reduce costs, and accelerate decision-making. This platform's integration of cutting-edge technologies from TGB, including geoGRIM-DFAS and Open AreaSeals, sets new benchmarks for operational excellence.

Next are benchmarks that organizations could achieve by leveraging "smart geoGRIM":

75% Data Integration Efficiency

Streamlining connections between disparate databases with "smart geoGRIM" coud lead to a 75% reduction in integration timelines, making seamless data synthesis a reality.

60% Cost Reduction in Data Management

Utilizing "smart geoGRIM's" geoGRIM-DFAS and VALblocks system can slash data synchronization expenses by 60%, optimizing data handling and storage efficiency.

80% Training Time Reduction

The intuitive interface and fusion of human and AI intelligence make complex data queries accessible, cutting training time for new users by 80%.

50% Operational Speed Increase

A 50% improvement in operational speed is achievable with "smart geoGRIM," thanks to its rapid provision of actionable insights from global data sources.

75% Decision-Making Acceleration

By delivering relevant, timely, and accurate information efficiently, "smart geoGRIM" can shorten decision-making processes by 75%.

40% Resource Utilization Optimization

Precise and dynamic data analysis through "smart geoGRIM" enhances resource allocation efficiency by 40%, ensuring optima, deployment of organizational assets.

25% Energy Consumption Savings

The platform's on-demand data activation feature promotingreduces energy consumption by 25%, greener operations by eliminating the need for constant data processing and storage.

35% Competitive Advantage Boost

Adopting "smart geoGRIM" could grant organizations a 35% edge over competitors, enabling faster, more informed decisions that lead to innovative solutions and superior market positioning.

"smart geoGRIM" represents a strategic investment in the future of data management, offering organizations a pathway to realize substantial ROI through improved efficiencies, cost savings, and enhanced competitive positioning.

COMPETITORS

TGB.*world*: Multiple Layer end-to-end SAAS Platform

“digital” geo-Clustering

Essential Features | USPs	TGB.world	H3 Mesh	What3Words
global mesh	✓	✓	✓
multiple mesh layers	✓	✓	✗
congruent parent child relations	✓	✗	✗
Precision Line and Polygon conversion	✓	✗	✗
EU EEA Reference Grid compliant	✓	✗	✗
cloud service APIs	✓	✗	✓
BI visuals or widget for MS and SAP	✓	✗	✗
Graphical User Interface	✓	✗	✓
Add-on store and data marketplace	✓	✗	✗
Full end-to-end data flow for ERP / GIS	✓	✗	✗
Supports geoGRIM self-structuring DB	✓	✗	✗