Let’s be honest with ourselves, human brains are not designed to solve the huge multi-dimensional optimization problems found in transportation planning and design.

We are entering an age where AI and Quantum computing will radically alter nearly every aspect of our lives, including our transportation systems.

Large transportation projects take many years to complete. These 200 year old technologies we are constructing today will mostly be obsolete by the time they are complete.

While Planning and Design phases average 8% - 10% of a project’s total time-frame, they typically consume the majority of that time-frame.

TransWizard changes all that by replacing human effort with AI and soon quantum computing. We can take years off your project.

The TransWizard AI starts with a high precision, high resolution Digital Twin of the area to be studied for possible transit solutions.

TransWizard mobile app identifies pent up travel demand not revealed in trip counts. Our AI optimizes for transit equity by use of mobile app public engagement and census block data.

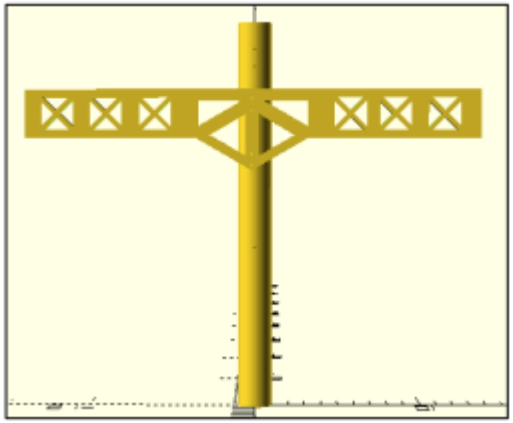
Genetic algorithms walk all possible right-of -ways and converge on station placements that maximize ridership and social equity while minimizing walk time to stations.

TransWizard automates surveying alignments for precise placement of stations, infrastructure, utility relocation and right of way ownership and costs, etc.

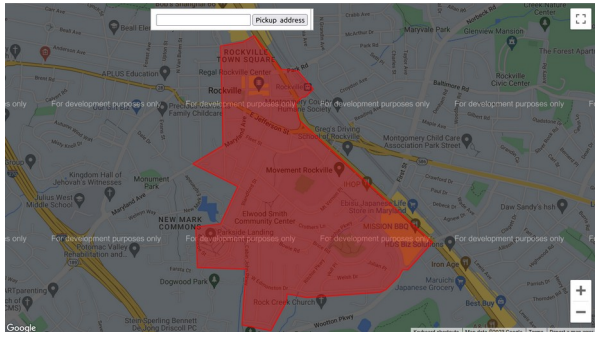
Our technology allows for automated production of construction documents and all project alternatives costs.

TransWizard 3D digital allows for precise and accurate simulation of all transit modes allowing all stakeholders to “see” the performance of each mode.

TransWizard’s tinker toy approach provides offsite fabrication of project components for overnight assembly on site. This greatly reduces build time and reduces the disruption of torn up streets.



TransWizard provides a platform for integration of multi-modal transportation systems like on-demand travel.



We can provide AI driven optimal design of infrastructure embedded EV wireless charging systems.

DOT’s are competing for a very limited supply of AI professionals that understand the transportation domain. TransWizard provides the benefits of AI without DOT staff needing to become proficient in the alien world of AI terminology. TransWizard translates between the language of transportation into the language of AI and back.

While still a few years out, quantum computing and particularly quantum annealing will solve the large multi-variant problems needed to fully optimize transportation designs and real-time operation . We develop approaches to integrate quantum computing for the optimization of transportation systems.

We provide two incentives for early adopters

- Recovery of NRE costs with royalty stream from other DOT sales.
- Co-op development with other transportation authorities.

WHY RELY ON US?

General manager, Peter James, has developed large enterprise level systems for 50 years. Including, Intel's cost evaluation system, the Saudi Air Force logistic system, McCormick Shillings and Verbatim's master production scheduler, SHA smart crosswalk study, UWB pilot. Peter has written programs that write programs for over 40 years

Transport innovation guru, Robert James, developed one of the first smart highways at VTTI, designed NJTransit Innovation Train, NYC port sauthority autonomous bus pilot and Jacksonville's Ultimate Urban Circulator. Robert helped Columbus implement the $40M Smart City challenge.

We use virtual consultants and research scientist and assemble project teams in just a few weeks.

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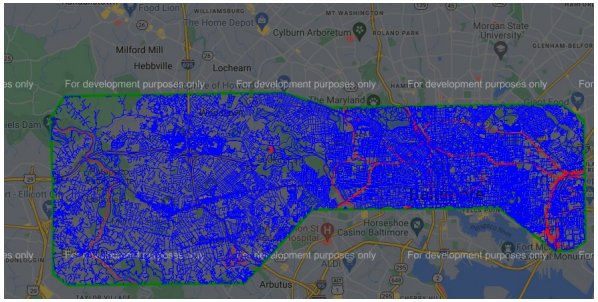
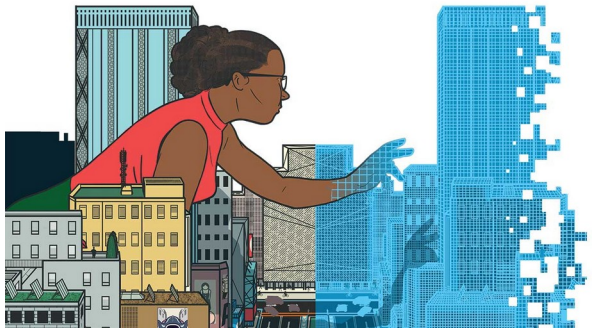
AI Generated Design

Alignment and Station Placement Optimizer



Digital Twin Public Engagement



TransWizard

Get What You Really Want

We create ultimate transportation networks by going beyond what is humanly possible

with AI and Quantum Computing

CCAWAY