



Simple solutions to impossible problems

Vehicle Fleet Dispatch and Routing

Applications

- Last-mile delivery
- Client service routing (maintenance, repair, control, medical care, commercial, etc.)

Our API Solution

- Can rapidly dispatch thousands of addresses
- Can optimize routes that have hundreds of stops
- Our computation takes minimum time: only seconds or minutes

The InfinityQ solution allows our clients to select one or several criteria to optimize for

- Reduced operational costs
- Efficient driving distance and time
- Minimum number of vehicles required
- And more

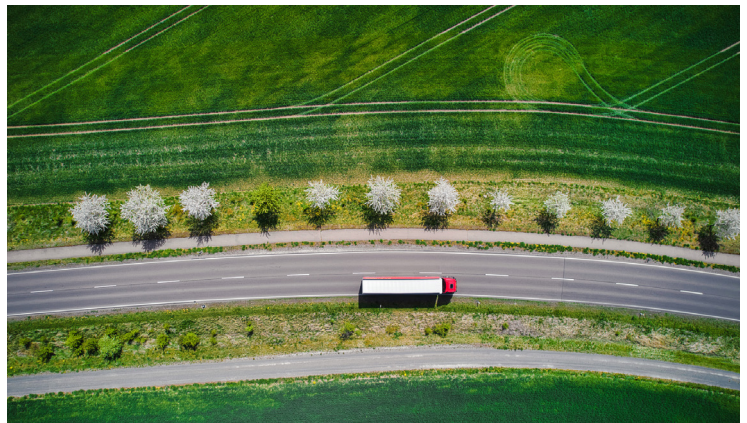
Your Challenge

What is the optimal set of routes for a fleet of vehicles to serve a set of addresses?

The ideal solution requires optimizing two actions simultaneously:

- Dispatching addresses to vehicles
- Sequencing stops for each vehicle

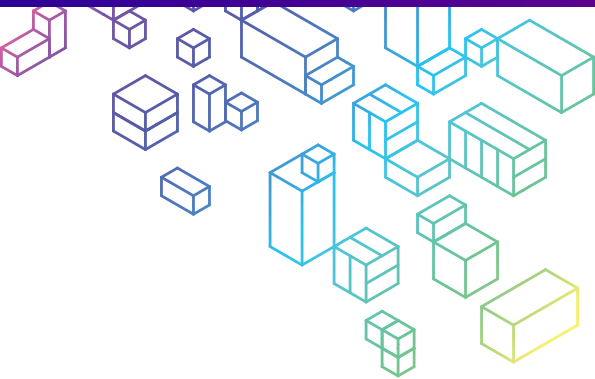
The challenge is that it is extremely difficult to dispatch and sequence large amounts of addresses simultaneously, and zone-based solutions are not always optimal.



Your Benefits:

- Maximized profitable routes
- Increased delivery capacity
- Reduced GHG emissions
- Fewer vehicles on the road
- More efficient driver shifts
- Quick adaptation to last minute requests
- No need to manually define zones





"InfinityQ is innovating the field of Ising Machines with a hardware/software approach that can leverage FPGAs and GPUs to deliver solutions to large-scale complex optimization problems."

– DAVIDE VENTURELLI PhD,
USRA Fellow - Senior Scientist NASA Academics Mission Service

True Quantum Alternative computing delivers real-world solutions for you today

Simply put – modern computers are not yet able to solve the complex challenges we face today because, mathematically, the problems become unsolvable at scale.

For the past decade the world has looked to quantum technology to make the next great leap forward but, while the science is exciting, practical advances in real-world problem solving have been harder to find – until now.

InfinityQ can solve your complex problems today

Our Quantum Alternative optimization technology outstrips classical computers for speed and surpasses existing pure-quantum technologies for accuracy, efficiency, energy use and cost.

From logistics to finance to pharma and beyond, infinityQ's solutions can solve your complex performance optimization problems.



INFINITY|Q

If you have a business optimization problem to solve contact us at: info@infinityq.tech

InfinityQ Promise

We build simple solutions to your impossible problems.

InfinityQ Product

True Quantum Alternative solutions built to solve your impossibly complex performance optimization challenges.

InfinityQ Service

Our team of experts will take the time to understand your challenges and develop a customized solution to fit your needs. Our unique technology makes it possible to directly converge towards the optimal solution.

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