



Simple solutions to impossible problems

Vehicle Fleet Routing

Applications

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

Our API Solution

- Can rapidly assign 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

Check out our [API documentation](#) for more details.

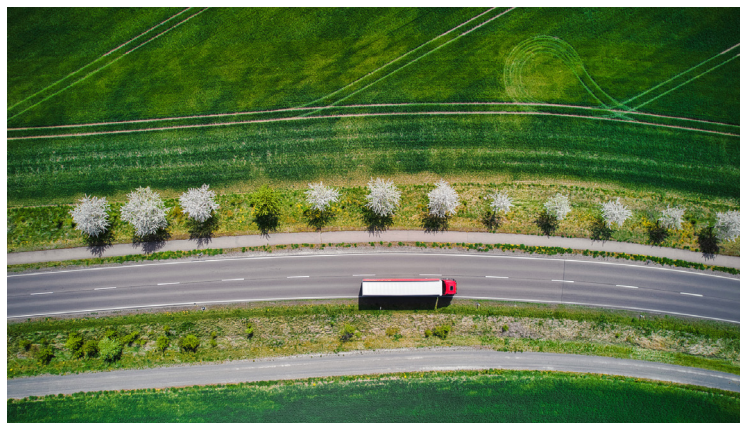
Your Challenge

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:

- Assigning addresses to vehicles
- Sequencing stops for each vehicle

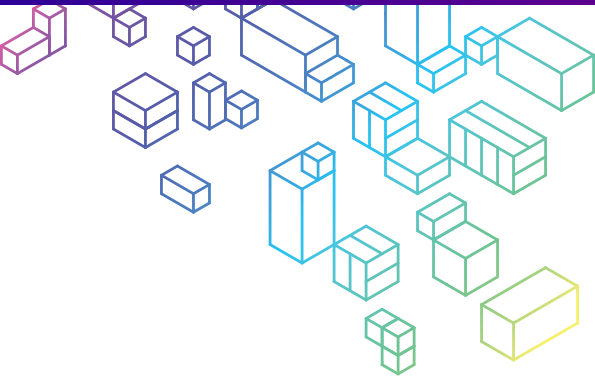
The challenge is that it is extremely difficult to assign and sequence large amounts of addresses simultaneously, and zone-based solutions are not always optimal.



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-Inspired computing delivers real-world solutions for you today

A New Era for Computing

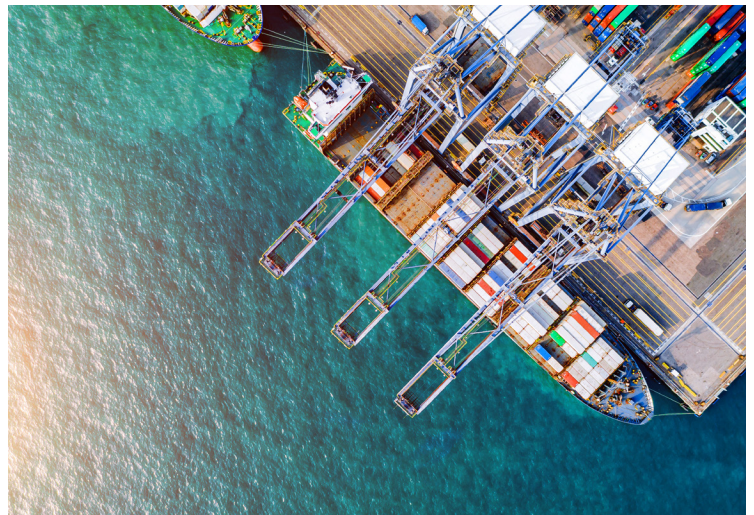
Simply put – modern computers are not yet able to solve the complex challenges we face today because, mathematically, the problems become unsolvable at scale.

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

As business and government urgently seek more efficient ways to save costs, drive revenues and create opportunities, traditional computing techniques are limited in their ability to process large amounts of information at maximum speeds across a range of applications.

From logistics to finance to pharma, InfinityQ can help resolve your complex performance optimization.



InfinityQ Technology:
Simple solutions to impossible problems.

InfinityQ Product:
A new paradigm of computing that delivers optimization solutions to the most difficult combinatorial problems in real-time, helping customers save money on their operations, surpassing actual and theoretical computing paradigms for accuracy, efficiency, energy use and cost.

InfinityQ Service:
We develop a customized solution to fit your needs. Our technology directly and rapidly converges towards the optimal solution.

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

INFINITYQ TECHNOLOGY INC 614 RUE SAINT-JACQUES SUITE 150 MONTREAL QUEBEC H3C 1E2 CANADA

INFO@INFINITYQ.TECH WWW.INFINITYQ.TECH

NEQ 1175159889

