

QRF - Quantum Routing Framework

Executive Summary v1.2

18 August 2026

Executive positioning

QRF is a routing-decision system for large, dynamic graph environments. It evaluates multiple feasible routing alternatives and is designed for scalable decision serving, routing stability, and decision continuity as network conditions change.

500M

Maximum tested nodes

~3.0B

Approx. edges at max scale

6.997 ms

Core p95 at 500M*

25/25

Stable benchmark runs

Published benchmark results

Scale	Edges	Core p95	Stable runs
1M	6M	0.233 ms	5/5
10M	60M	0.441 ms	5/5
100M	600M	1.025 ms	5/5
200M	1.2B	2.795 ms	5/5
500M	3.0B	6.997 ms	5/5

Priority application areas

V2X / VANET
IoT / Industrial IoT
Telecom & Edge Networks
Connected Mobility / ITS

Pilot-ready Web Service

A pilot-ready QRF Web Service is available for customer Pilot integration following **Technical Evaluation**. QRF runs on conventional hardware; no quantum computer or GPU is required.

Next step

Organizations evaluating large-scale or dynamic routing problems can request a **Technical Evaluation** to discuss technical fit, application context, and a potential Customer Pilot.

Technical Evaluation: shahram.darvishi@qrf-ai.com

qrf-ai.com

* Core p95 is a defined QRF Core Request-Serving benchmark metric and is not an end-to-end customer-production KPI or SLA.