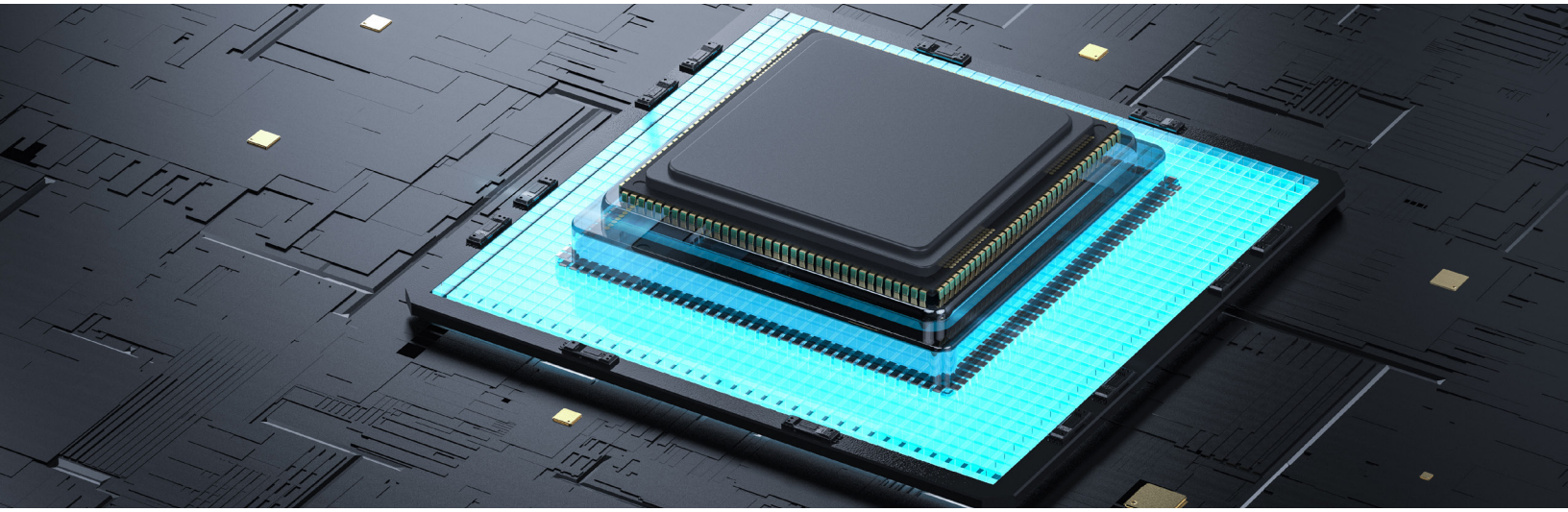
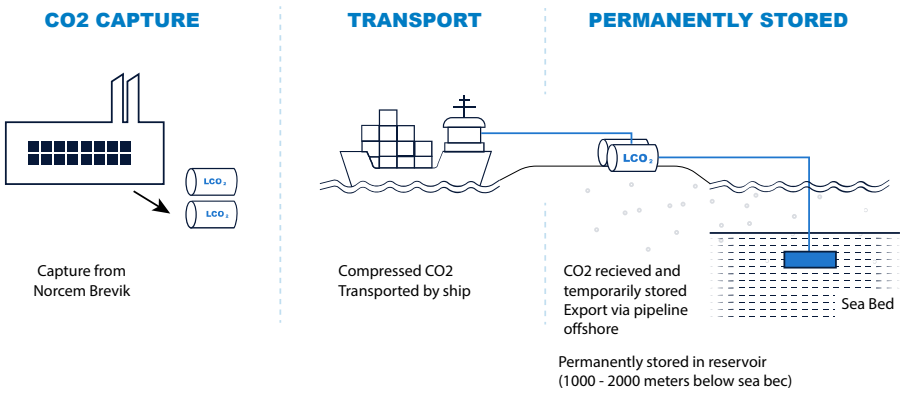
QUANTUM BASED CARBON CAPTURE & SEQUESTRATION SOLUTION



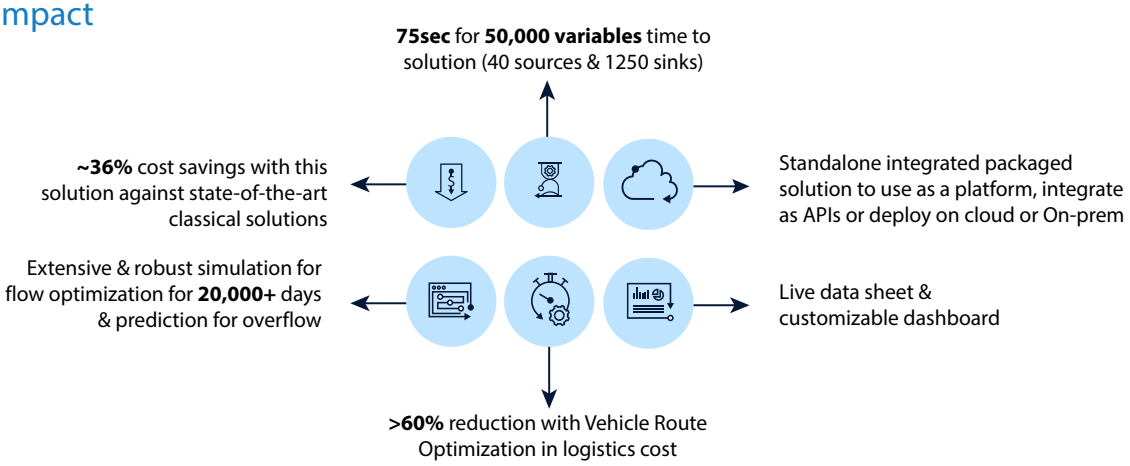
Carbon Capture & Sequestration (CCS) is the process of capturing carbon from industries and depositing it in the earth's crust instead of releasing it into the atmosphere. A significant challenge in its implementation is the high initial investment, given the complexity of the process. Evaluating all the scenarios and concluding is very hard as it involves location intelligence, logistics optimization,Co2 allocation, flow optimization,fleet management and breakdown/maintenance scenarios to develop an optimal investment strategy. At Infosys, we are collaborating on solutions for carbon capture with QπAI. We are a one-stop solution for all industry-level problems in CCS.

Why do Classical Computers fail?

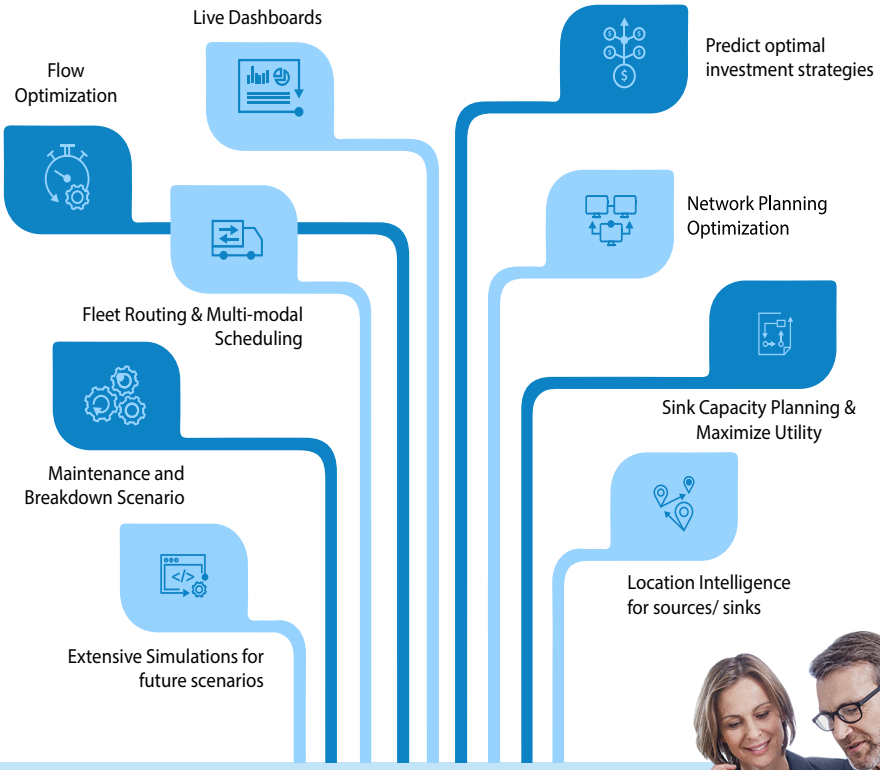
Classical computers only offer approximate solutions which are sub-optimal and cannot scale to real scenarios with even 100s of nodes. Realistic solutions involve millions of variables and cannot be tackled using simple metaheuristics.



Business Impact



Carbon Capture Solution Offerings



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Quantum Center of Excellence

quantumcomputing@infosys.com

icets@infosys.com

For more information, contact askus@infosys.com

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