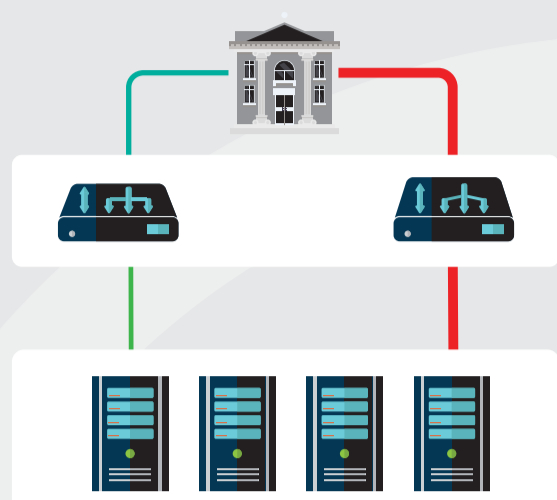


# Is TNS Layer 1 the Industry's Best Kept Secret?

TNS is making its innovative Layer 1 technology available to traders globally. Promising speeds of between just 5 and 95 nanoseconds, this infographic explores how Layer 1 works and why it is set to disrupt the financial services industry.

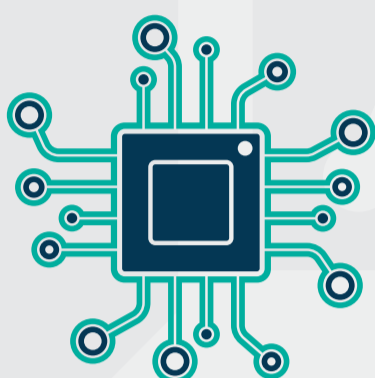
## Ultra-Low Latency A Reality



Layer 1 uses a completely new purpose-built architecture



It simplifies the network with a single switch hop and eradicates the need for multiple switches, allowing it to offer speeds as low as 5-95 nanoseconds



FPGA technology replicates signals extremely fast via a custom code co-developed with Arista (formerly Metamako)



This makes TNS Layer 1 up to 10 times faster than traditional layer 3 architectures

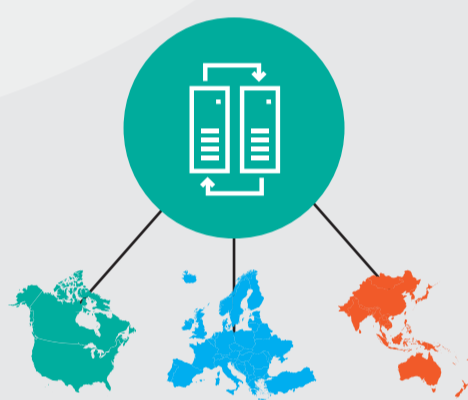
## Ground-Breaking Technology



Since its launch in 2017 it has been used by high frequency traders and those looking for a demonstrable performance edge



TNS is now making Layer 1 available in the majority of major equities, derivatives, futures and options markets



This includes all of TNS' managed hosting sites across the Americas, Europe and Asia Pacific region

## Global Coverage

**Ontario**  
Markham



**Illinois**  
Chicago & Aurora



**New Jersey Triangle**  
Secaucus  
Carteret  
Mahwah



**UK**  
London, Slough & Basildon



**Germany**  
Frankfurt



**Japan**  
Tokyo



## Strategic Benefits



Traders can execute strategies and access market data in a fraction of the time of conventional infrastructures



Less switch hops provides increased reliability by significantly reducing points of failure, while increasing predictability and precision



TNS Layer 1 offers superior performance at a lower total cost of ownership

To find out more about TNS Layer 1 visit [www.tnsfinancial.com](http://www.tnsfinancial.com)