

SGTraDex - B2B data exchange for the supply chain and trade industry

Solving real-world problems to build transparency and trust

Context

Global supply chains are under intense pressure. The COVID-19 pandemic and the war in Ukraine have severely disrupted international trade, with shortages ranging from computer chips to perishable foodstuffs.

Singapore – the world's busiest port measured by shipping tonnage – finds itself at the heart of this unprecedented global supply chain challenge. In August 2020, Singapore's Alliances for Action (AfA) engaged PwC to help build a common data highway called SGTraDex that aims to be the digital highway for Singapore's supply chain ecosystem, with the goal of streamlining and channelling information from disparate sources via a central digital infrastructure.

As part of AfA's mission to promote Singapore's economic growth, the government and industry group wanted SGTraDex to be a trusted, efficient and resilient supply chain infrastructure that leveraged advanced technologies to minimise delays caused by avoidable disruptions.



Solution

Before designing and building the digital infrastructure, PwC focused on understanding the needs of this wide range of stakeholders, each with their own interests.

Drawing on this feedback, we defined the vision for the data-sharing platform and developed an operating model with functions such as marketing and governance, which would demonstrate SGTraDex's value. We also built working prototypes for use cases covering the financing integrity of trade flows, the digitalisation of Singapore's bunkering sector, and the end-to-end visibility of container locations and movements.

The data-sharing infrastructure went live with more than 70 participants, including large multinationals, local banks, and at the other end of the ecosystem, small- and medium-sized Singapore enterprises such as local hauliers and logistics firms. Since the launch, PwC has continued to provide product development and operational assistance to SGTraDex.

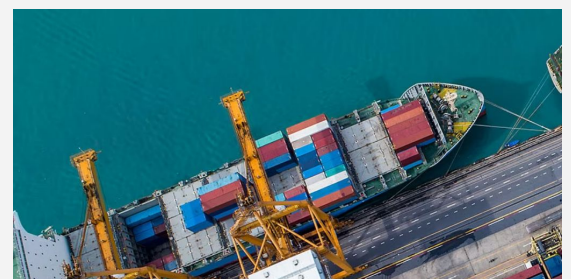
Solving important problems for the public sector with cutting edge technology, tailored strategy, and successful transformation

Outcome: Upgrading Singapore's digital infrastructure to benefit all citizens

SGTraDex is an outstanding example of PwC's strategy, "The New Equation" in action, building trust and delivering sustained outcomes through a people-led, tech-driven solution. A key feature of the digital infrastructure governance competitive appeal is that it is also people-optimised, with its agile, streamlined workforce.

PwC helped understanding clients' operational challenges in the exchange of data in various use cases such as when trying to unblock container flow bottlenecks, financing trades including green trades, digitisation of documents and processes, and processing bunkering and ship supplies.

Ultimately, SGTraDex will help Singapore continue to be a major global trading port in the digital age. Companies and global consumers also stand to gain from a more robust, reliable supply chain for delivery of goods and raw materials that are shipped through Singapore.



SGTraDex, Singapore

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