

SUCCESS STORY

A pioneering digital platform for retail green bond issuance



A unique user experience

- Bond issuance & management platform
- Third-party integration: Octopus



THE CHALLENGE

Demonstrating the value of DLT interoperability in a retail application

- In spite of significant growth in the Green Bond Industry, its core stakeholders expect greater transparency when delivering ESG covenants to regulatory bodies and investors.
- GFT and Digital Asset partnered with the Bank of International Settlements to build a retail bond issuance platform and introduced Project Genesis at the **Hong Kong Fintech Week 2021**.

THE ENGAGEMENT

Assisting Digital Asset to transform the DLT-based retail bond market in Hong Kong

- GFT and Digital Asset developed a platform that streamlines the green bond lifecycle for retail investors including issuance, redemption and trading on secondary markets.
- Our solution leverages **Digital Asset's Daml** to automate redundant green bond issuance processes and **Canton** to ensure interoperability between DLT technologies such as **Hyperledger Fabric** and **Hyperledger Besu**.
- Our frontend was coded in **ReactJS**, a flexible language and an industry standard that sped up our development activities. **AWS Cloud platform** was used to host all our backend services and website.

THE BENEFIT

Streamlining fragmented procedures and enabling straight-through processing between participants

- This platform was designed to demonstrate the retail green bond issuance process as well as how Hong Kong citizens can contribute to a greener and sustainable future through investing in green bonds.
- GFT and Digital Asset leveraged and adapted the **Daml Open Finance library** to automate processes, whilst being mindful of the current regulatory framework in Hong Kong.
- By leveraging **Allinfra technologies** and expertise, Project Genesis provides potential solutions to current pain points in the Green Bond Industry such as greenwashing.