



WFC 2022

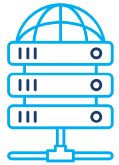
**Timothy Hogben,
Group Executive Securities
and Payments**

May 2022

Technology strategy key to building an exchange for the future

Achieved through transforming our technology, strengthening resilience and focusing on opportunities

FY17 – Commenced execution of business strategy to build an exchange for the future



**Technology
strategy**

Technology transformation

Technology resilience

Technology focus

OBJECTIVES

Enable Australia's financial markets to operate on world-leading, contemporary and flexible technology

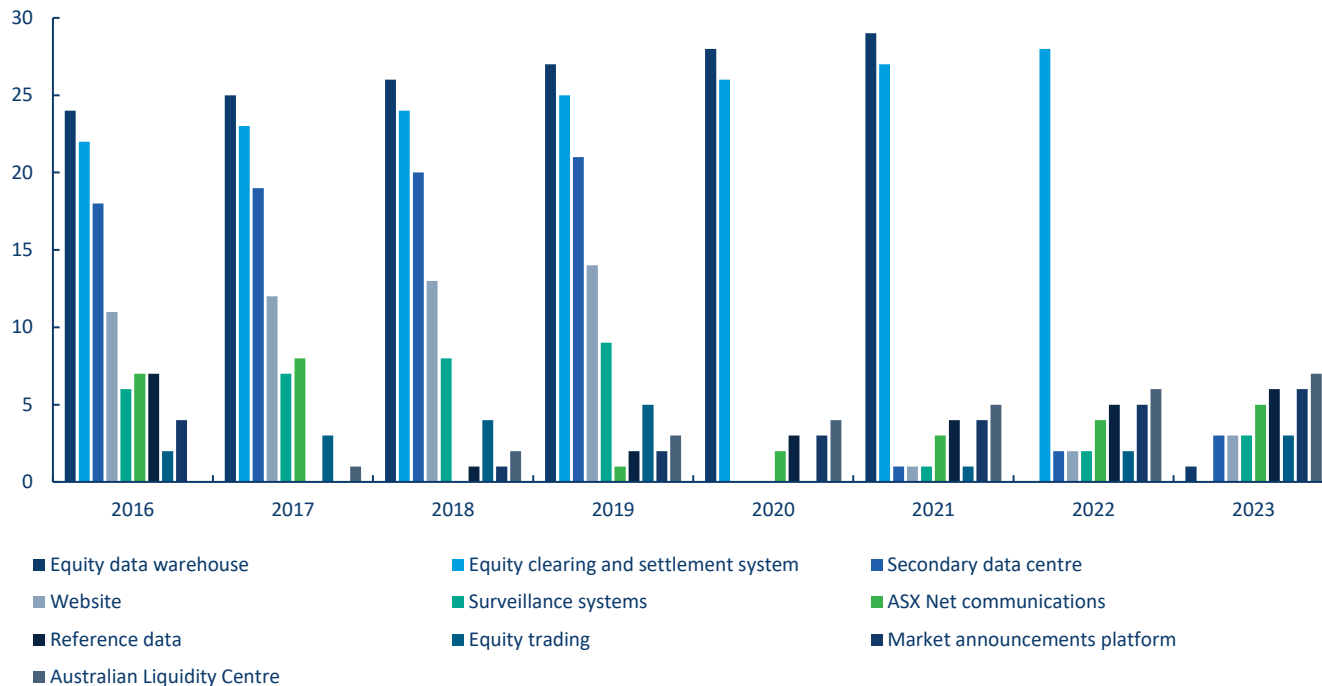
Reduce incidents and outages across the technology portfolio

Exploring opportunities to leverage increased technology focus

Significant reduction in technology debt since 2016

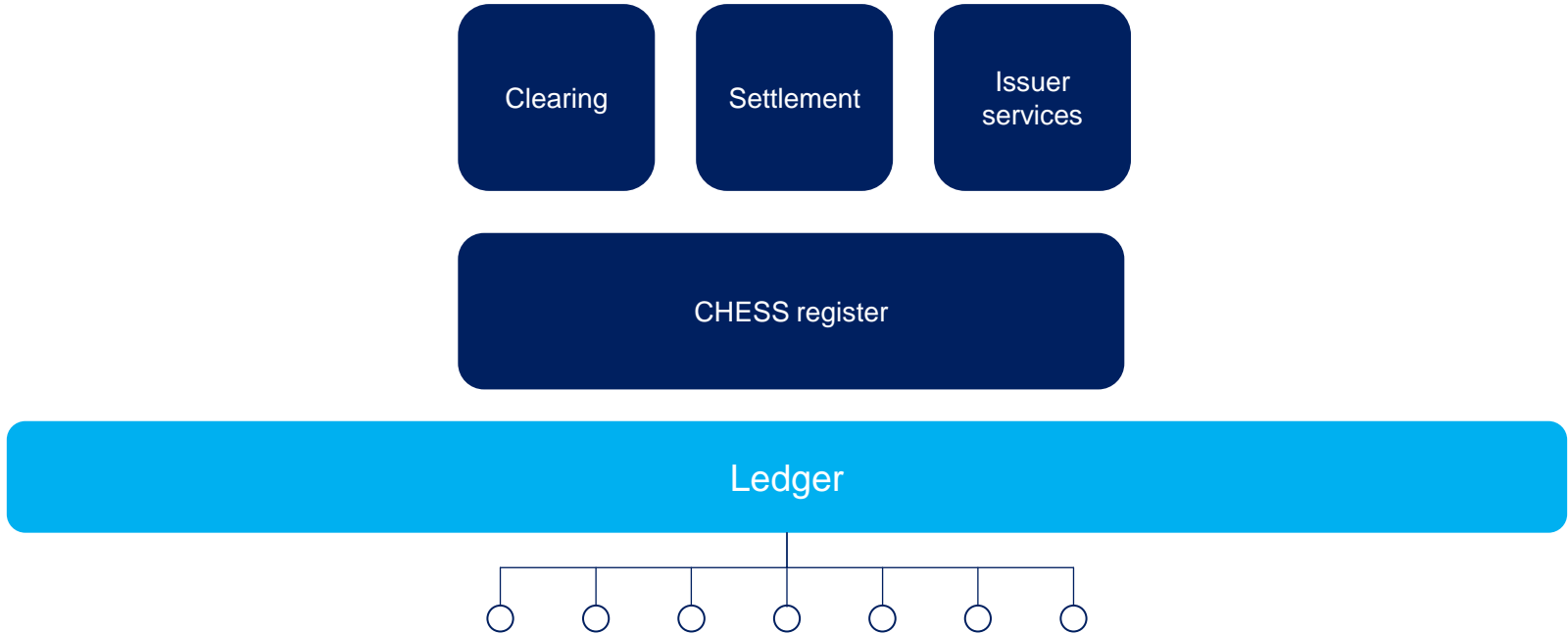
Achieved through renewal and replacement of foundational hardware and software

Age of equity and key infrastructure technologies
(as at calendar year-end)



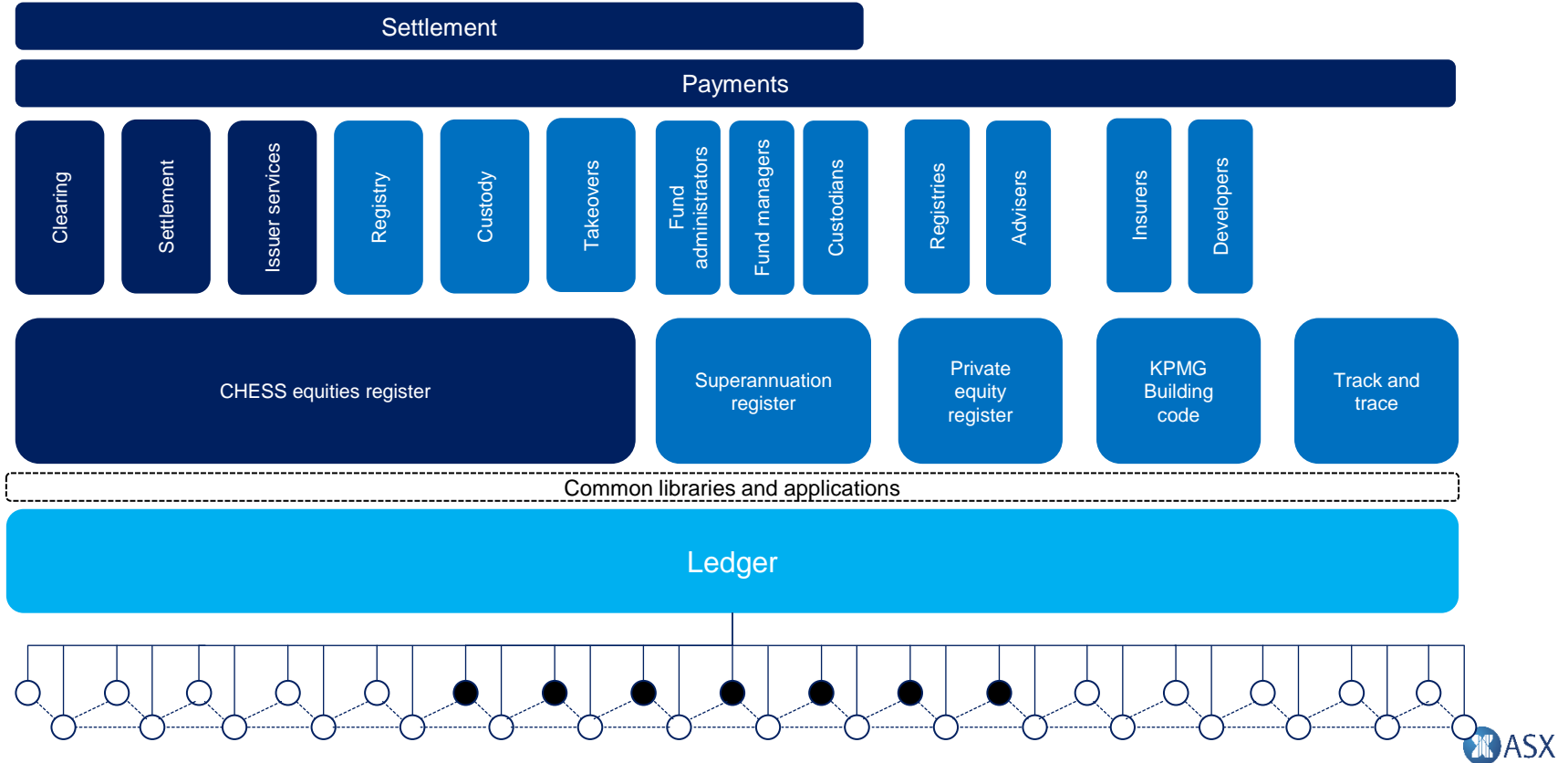
Distributed ledger services

Distributed ledger technology - An open platform for growth



Distributed ledger services

Distributed ledger technology - An open platform for growth



CHES Replacement project

CHES replacement benefits

Contemporary technology enabling digitisation and simplification of processes



Upgrade messaging to global ISO 20022 standard



New customer functions e.g. DRP/BSP electronic elections



New connectivity options



New, open technology to support global inter-operability and accelerate innovation



Strengthened investor protections, improved performance and security



Simpler permissioning of data

Project update

As at May 2022

- Industry Test Environment testing is well progressed, since opening end November 2021:
 - 26 software providers working through testing the full coverage of functionality
 - The ledger is performing well and application code fixes are in line with expectations
 - The next software release, v1.3, will be tested and deployed by ASX into Industry Test Environment 1 late July
 - Accreditation can commence following applicable testing of v1.3 by software providers
- Industry Test Environment now open for CHES user onboarding:
 - CHES user testing will commence following connectivity and onboarding and after v1.3 software release has been tested and deployed by ASX into Industry Test Environment 2
- Comprehensive documentation published including:
 - functional specifications and messaging requirements, and the scenarios for software provider accreditation and CHES user operational readiness
- Conclusion of consultation on the three tranches of draft rule changes, with ASX's response to feedback to be published in June

Synfini - ASX's 'DLT as a Service'

We are creating Australia's largest DLT ecosystem and network



- > **4,000** Customers
- > **\$4.5t** Assets held
- > Operates Equity, Derivatives and Debt markets, ALC and ASXNet
- > Millions of transactions, Billions of \$ of value transacted per day



vmware®

Blockchain

- > Enterprise DLT: reliability, scalability, performance
- > Trusted blockchain platform for multi-party applications
- > Works with 95% of Australia's listed companies
- > Market cap over \$US 50B

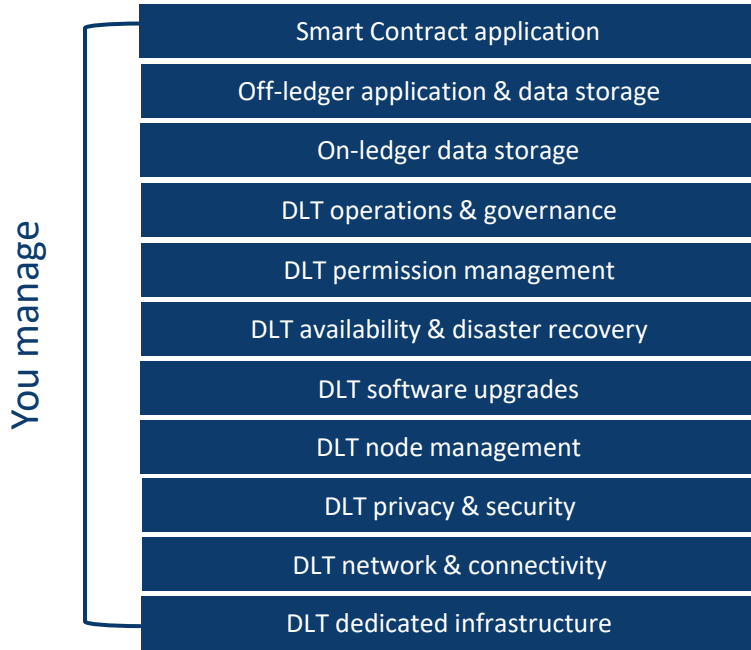
Digital Asset

- > Daml, Digital Asset's core technology, is a platform for building multi-party applications
- > Automated business logic, rights & obligations with in-built permission control
- > Language used to model the business rules for CHES Replacement
- > Interoperability with other DLT's and traditional databases

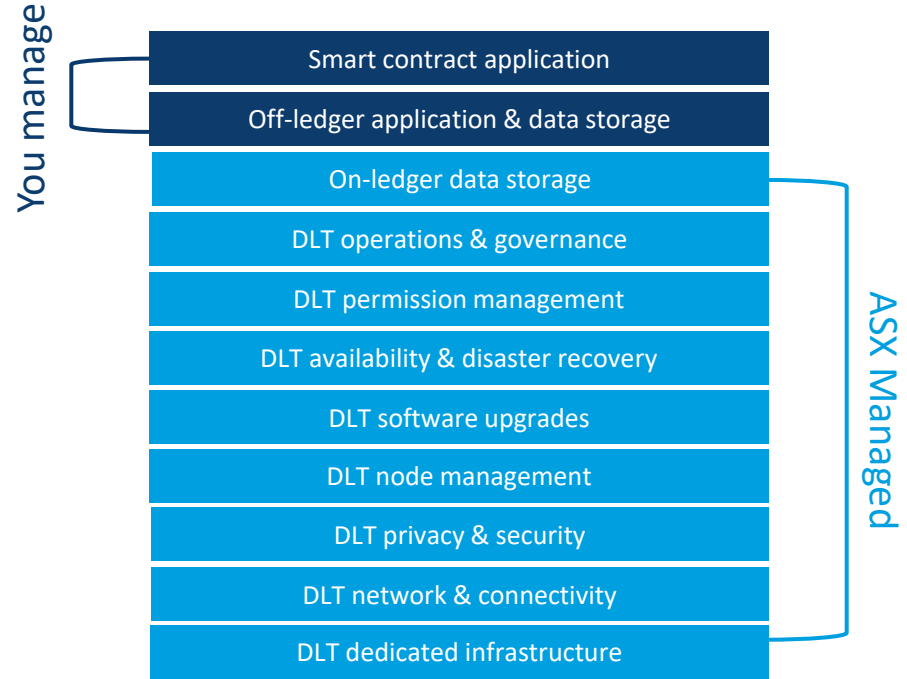
Accelerate innovation

Eliminate set up costs with a host of built in features ready to go

DIY DLT



DLT as a Service



Without the need to run and support your own environment, you can reduce cost, complexity and risk

Thank you.