Blockchain = "Disruptive" Technology?

- What does it mean to the Government and public services?
- Can it bring benefits to the Government?
- Any issues (such as performance, security, scalability, sustainability, etc.)?
- Are we ready for this technology NOW?

PILOT BLOCKCHAIN PROJECT

3 Use Cases

Beneficial to e-Government Services?
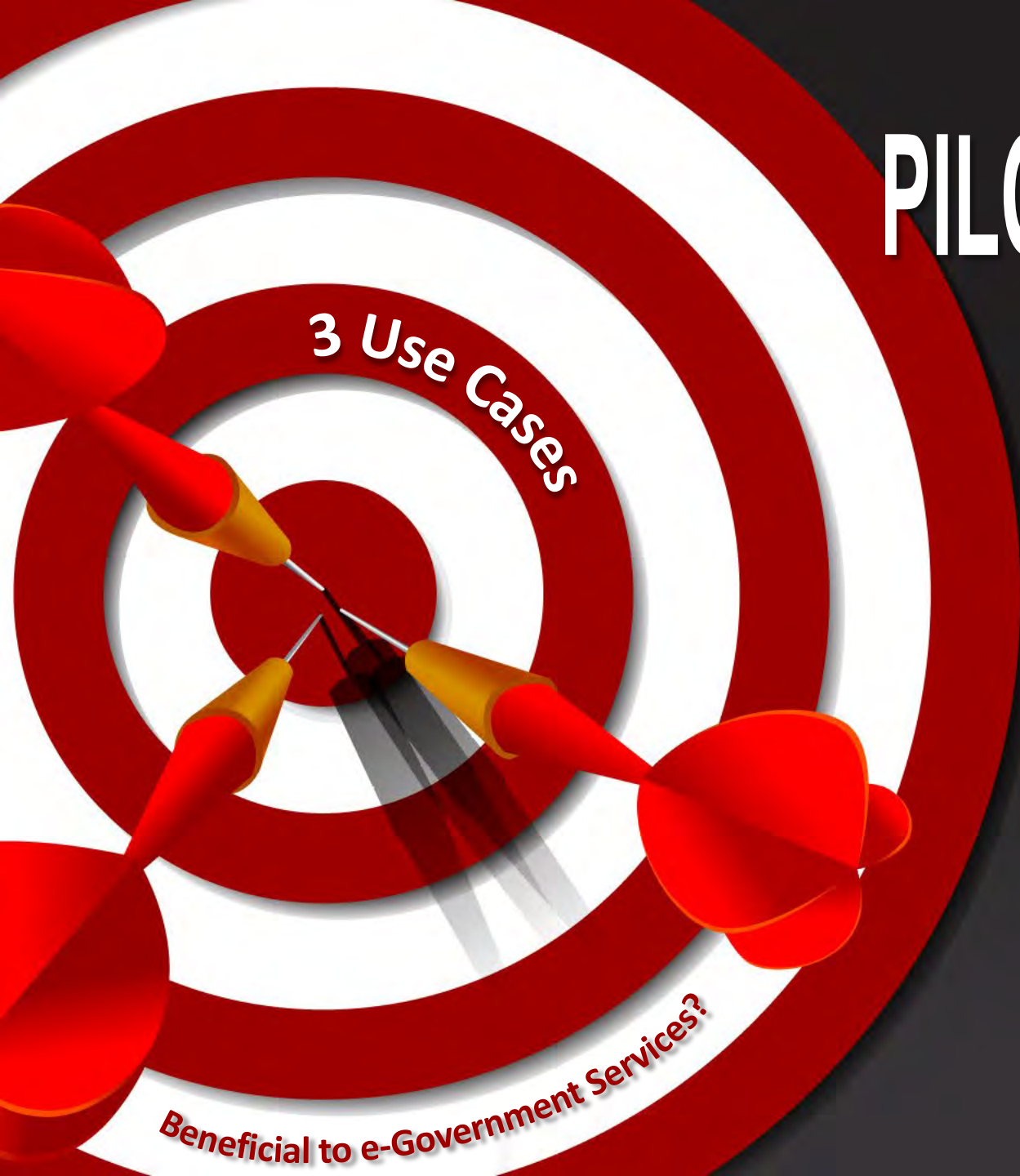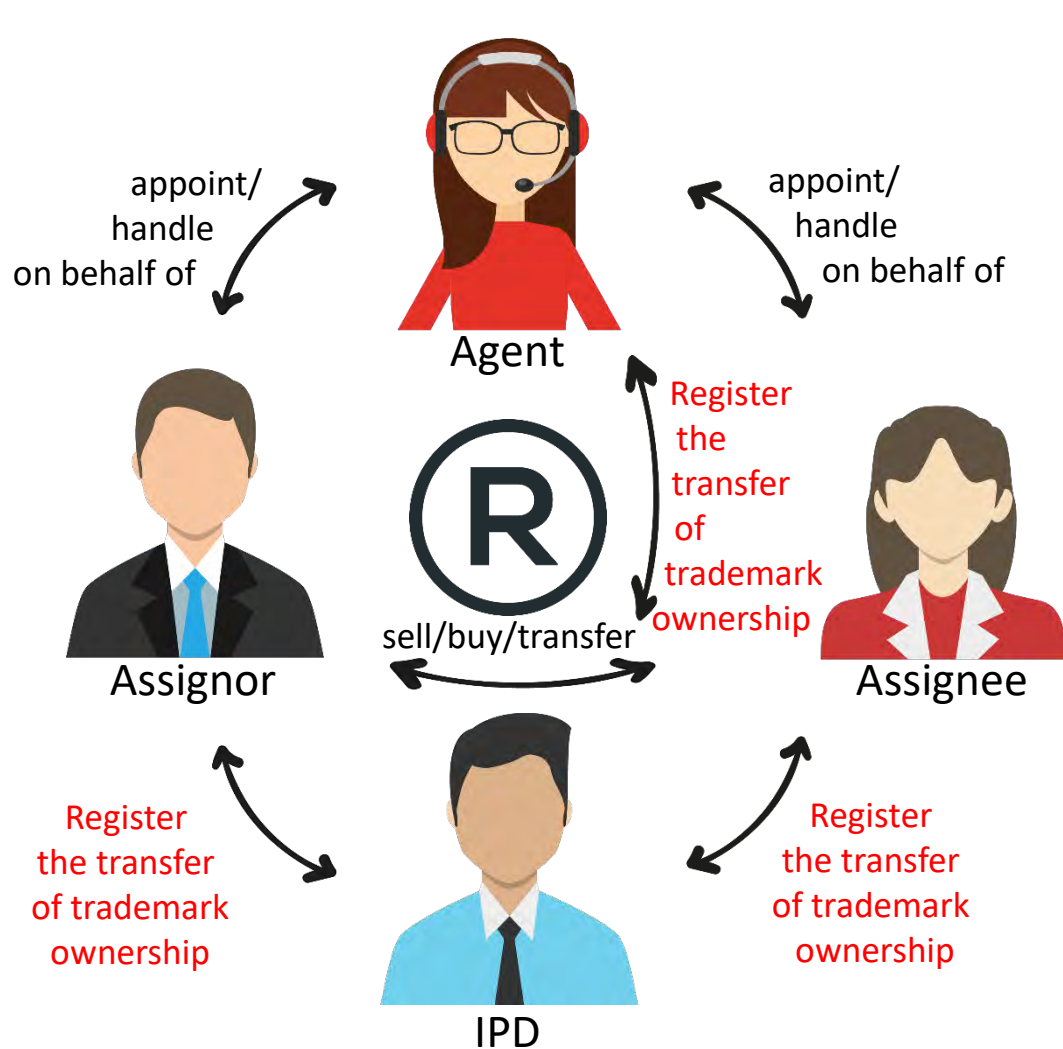
- Explore applicability
- Assess potential benefits
- Ascertain feasibility
- Address interoperability
- Formulate development roadmap
- Formulate roadmap for full scale production rollout
- Share experiences

Transfer of Trademark Ownership
Intellectual Property Department

appoint/ handle on behalf of

Agent

appoint/ handle on behalf of

Register the transfer of trademark ownership

Assignor

®

sell/buy/transfer

Assignee

VS

Register the transfer of trademark ownership

Register the transfer of trademark ownership

IPD

New Collaborative Ecosystem

Extend Business
Decentralise
Expedite
Build
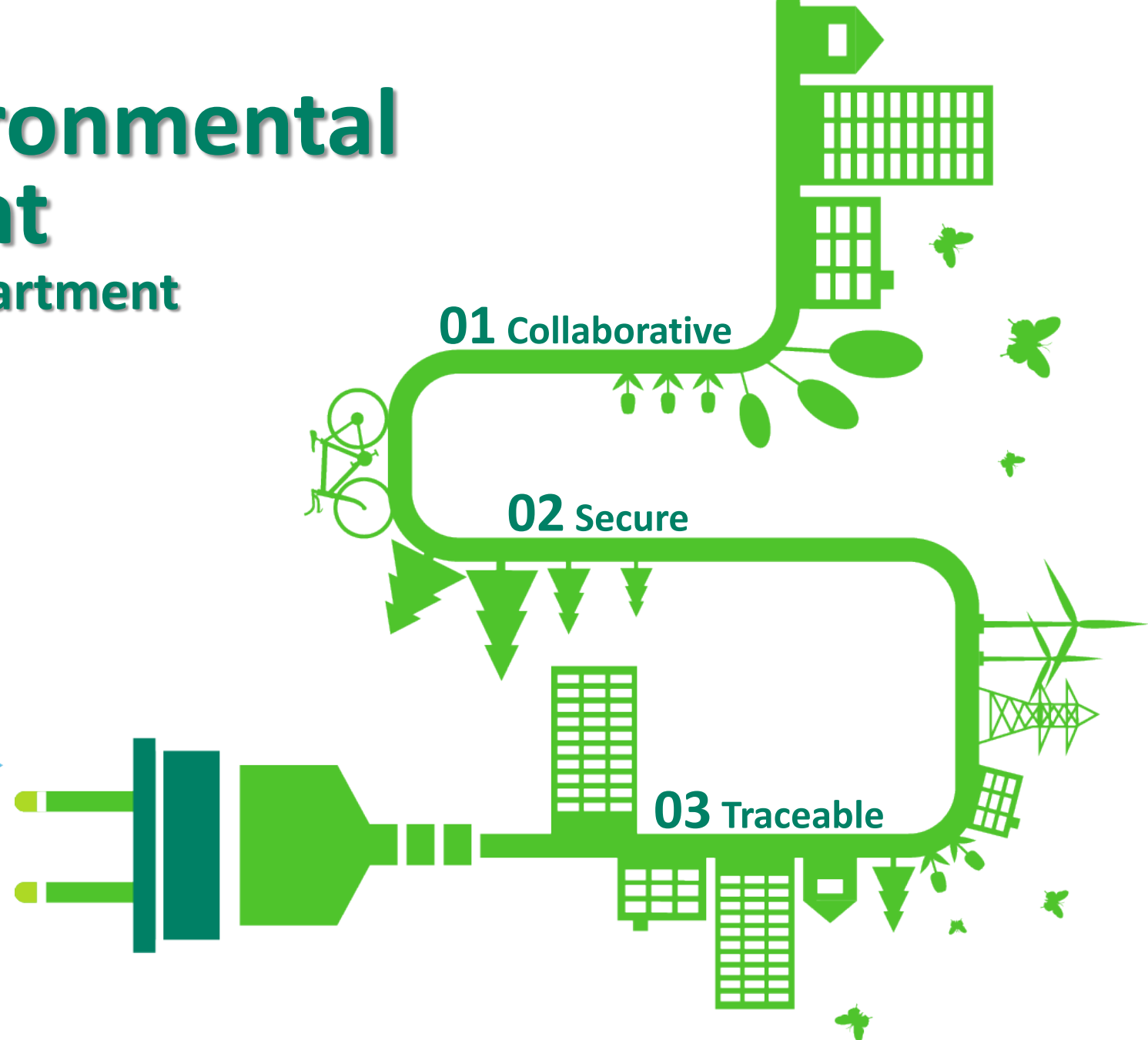Trust

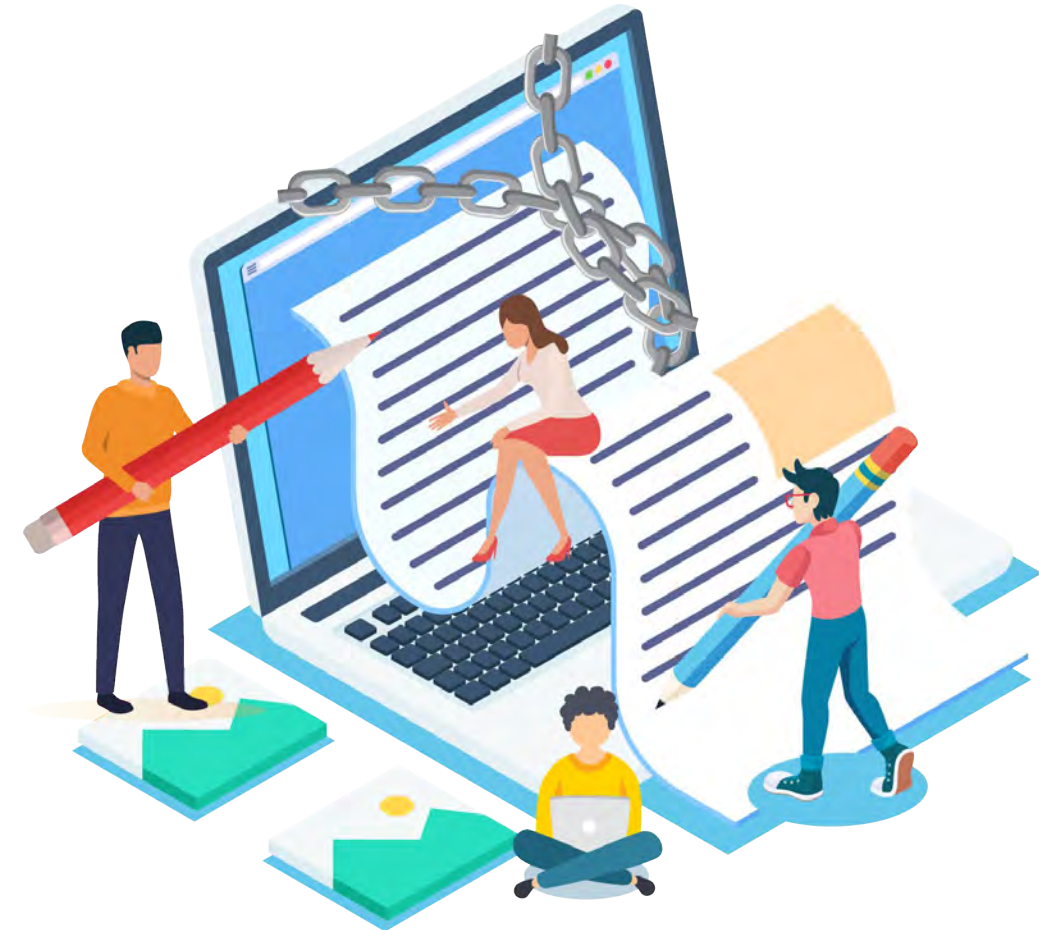# Traceability of Pharmaceutical Products
Department of Health
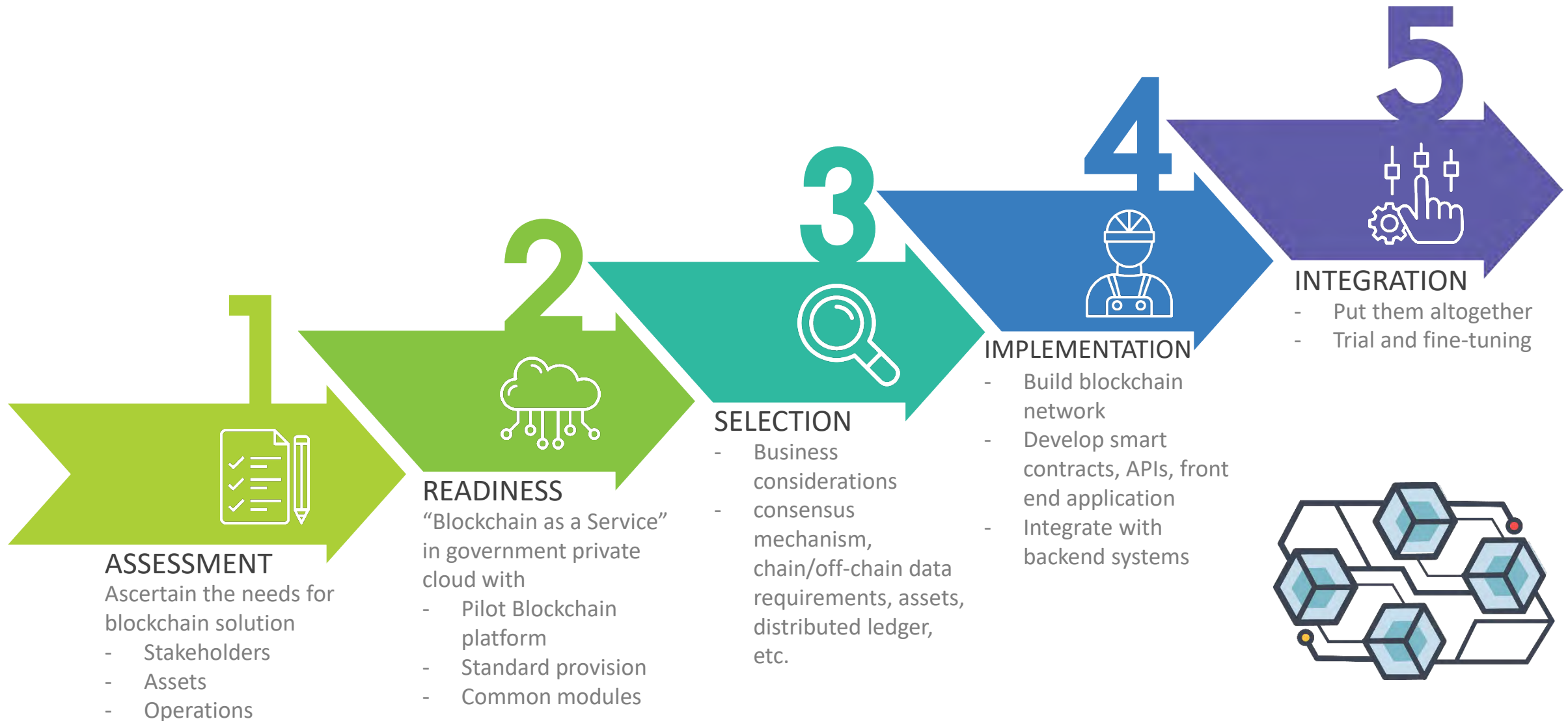
- Identify sectorial patterns and seasonal patterns on supply of medicines

- Provide timely logistic information

- Facilitate efficient and effective recalls

- Provide useful information for healthcare professional and general public

GOVERNANCE

Streamlining Environmental Impact Assessment
Environmental Protection Department

01 Collaborative

02 Secure

03 Traceable

Building Pilot Blockchain Applications

1 ASSESSMENT
Ascertain the needs for blockchain solution
- Stakeholders
- Assets
- Operations

2 READINESS
"Blockchain as a Service" in government private cloud with
- Pilot Blockchain platform
- Standard provision
- Common modules

3 SELECTION
- Business considerations
- consensus mechanism, chain/off-chain data requirements, assets, distributed ledger, etc.

4 IMPLEMENTATION
- Build blockchain network
- Develop smart contracts, APIs, front end application
- Integrate with backend systems

5 INTEGRATION
- Put them altogether
- Trial and fine-tuning

Use cases having potential to adopt blockchain

Blockchain is good for you?

Business or processes spanning across external & multiple parties

Clearly defined assets; shared, distributed and tamper-proof data store

Auditable & timestamped historical transactions

Prolonged processing time due to intermediaries

Not having high transaction rate and no need for real-time response

Licences & Permit

Registration

Certificates

Supply Chain

8

Welcome to explore YOUR potential use cases with us

Evaluate pilot results
Share pilot experiences
Devise deployment roadmap

Think big + Start small