Innovate | Automate | Transform

Blockchain Capabilities

GeT's Blockchain Capabilities

Our Blockchain Expertise:

QUARK

- Real time tracking of Goods and Services using Blockchain technologies

- Ability to handle multi party contracts and settlement along the logistics value chain

- Significant savings in transactions processing and reconciliation times

AXIS

- Tool & Die Lifecycle Management
- Possible to group all tools & dies required for manufacturing a specific components through the system. Will help in planning process , reduced machine down time and improve customer delivery.
- All stakeholders, Tool makers, Component suppliers can track & trace all the 6000 tools & dies on the system. 100 % fool proof, no pilferage and stock out.

Bill Discounting

- Digitizing the hundi payment and bill discounting process leads to significant reduction in transaction processing time.
- Blockchain enablement provides for a transparent view of the transactions facilitated by the shared ledger.
- Blockchain enablement provides for faster reconciliation and efficient compliance &audit processes.
- Workflow approval process is fully automated

XACT

- Bunkering Solutions
- Bunkering involves multiple stake holders - The vessel-in-charge, bunkering vendor, surveyor, Fuel Analysis labs, mediators

- The procedure is totally manual requiring extensive monitoring and ratification by all parties

- With blockchain enablement, all the measurements and the transactions can be stored in a distributed database which is immutable

QUARK LOGISTICS CONTROL TOWER SOLUTION - Leveraging Blockchain, iOT, AI, Machine Learning/ Deep Learning

The Process

The Stakeholders

Job order comes from CargoWise One / other ERP

JOB ORDER

Job broken into Task / SLA's activity based costs

Job sequentially assigned to different CSE's

Task completed (Actual / Estimated time and cost booked

Data flow into BLOCKCHAIN & ERP

Digital wall dashboard for quick snapshot

Deep learning, machine learning, Analytics, AI and iOT used to improve process Efficiency and reduce cost

Customers

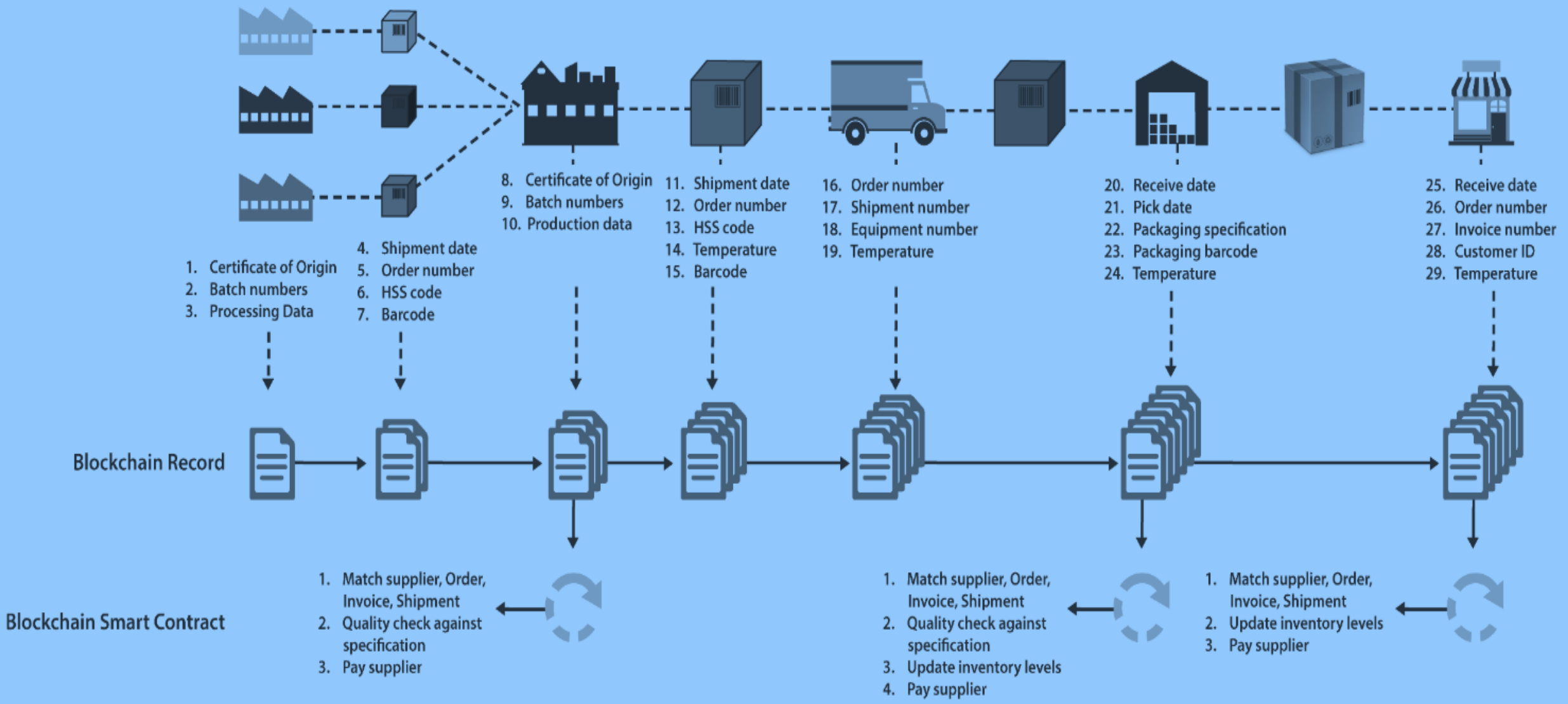The Company

QUARK

QUARK

Customs

Transporters

CFS

Warehouse

Other Service Providers

Gemicorn
OUTSOURCING.CONSULTING.TECHNOLOGY

Digital Dashboard

JOB ORDER NO. / STATUS

QGGN000023	-	COMPLETED
QGGN000023	-	COMPLETED
QGGN000023	-	PENDING
QGGN000023	-	PENDING
QGGN000023	-	NEW

COSTING BASED

QGGN000013	-	20,000
QGGN000043	-	75,000
QGGN000023	-	1,20,000
QGGN000029	-	45,000
QGGN000025	-	80,000

SLA's ACHIEVEMENT PERCENTAGE

QGGN000023	-	70%
QGGN000023	-	82%
QGGN000023	-	55%
QGGN000023	-	60%
QGGN000023	-	65%

TOP PERFORMERS

CSE 1	-	JAMES
CSE 2	-	SUNIL
CSE 1	-	SMITH
CSE 1	-	JOHN
CSE 2	-	DAVID

DELAYED JOBS

QGGN000024
QGGN000029
QGGN000025
QGGN000024
QGGN000030

CLIENT DETAILS

PARAS ENTERPRISES
ARK PRIVATE LIMITED
LALITH METHA ASSOCIATES
TRAXMATIC ENGINEERING & CO
PVR PRIVATE LIMITED

Gemicorn
OUTSOURCING.CONSULTING.TECHNOLOGY

1. Certificate of Origin
2. Batch numbers
3. Processing Data

4. Shipment date
5. Order number
6. HSS code
7. Barcode

8. Certificate of Origin
9. Batch numbers
10. Production data

11. Shipment date
12. Order number
13. HSS code
14. Temperature
15. Barcode

16. Order number
17. Shipment number
18. Equipment number
19. Temperature

20. Receive date
21. Pick date
22. Packaging specification
23. Packaging barcode
24. Temperature

25. Receive date
26. Order number
27. Invoice number
28. Customer ID
29. Temperature

Blockchain Record

Blockchain Smart Contract

1. Match supplier, Order, Invoice, Shipment
2. Quality check against specification
3. Pay supplier

1. Match supplier, Order, Invoice, Shipment
2. Quality check against specification
3. Update inventory levels
4. Pay supplier

1. Match supplier, Order, Invoice, Shipment
2. Update inventory levels
3. Pay supplier

BLOCKCHAIN – iOT - AI

Velocity blurred lines between physical & digital

P
2
P

Track Automation

Smart Contracts

Digital Trust

Provenance Supply chain

Auditability

Distributed database

Encrypted cyber security
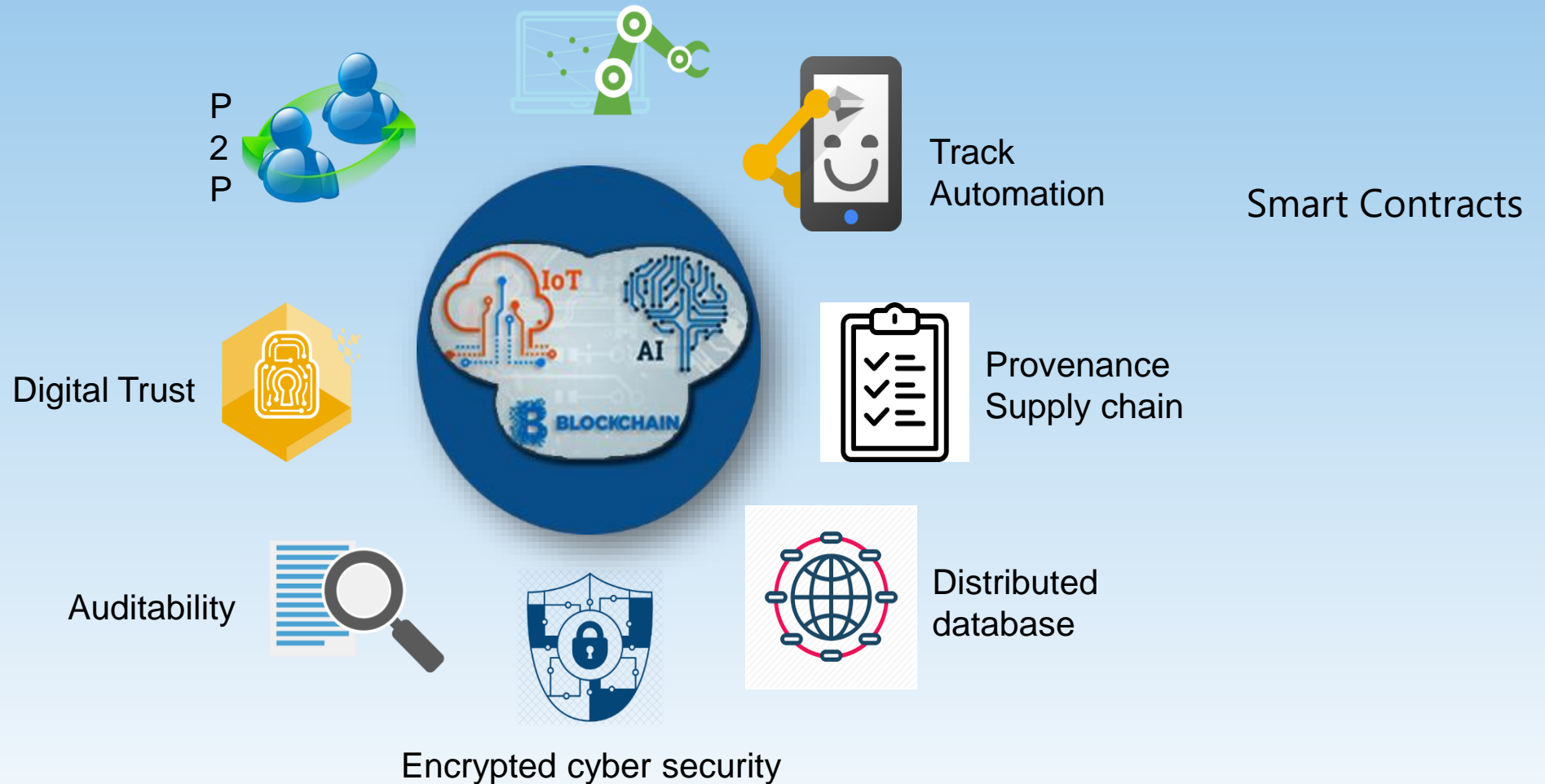
Technology Stacks:

Hyperledger – **QUARK, Michelin**

Language - **Go, Node.JS**
Database - **CouchDB, LevelDB**

Ethereum – **QUARK, Digital Identity, Talend**

Language - **Solidity, Node.JS**
Database - **MongoDB**
Server - **Geth**

Benefits of working with Gemicorn

Function	Impact on
Mgmt time savings	Focus
Cut fixed costs	Profits
Eliminate variable costs	Profits
Conserve capital	Profits
Achieve scale	Growth
De-risking goals	Profits

- 24 x 7 operation - (No need to fret on Sat/Sun).
- Gemicorn takes responsibility for production allowing you to focus on your customers.
- Highly Scalable
- Further expansion to outsourcing and other technology landscape

Thank You!

INNOVATE | AUTOMATE | TRANSFORM