

LISTEN.
THINK.
SOLVE.®

Connected Enterprise...



PUBLIC

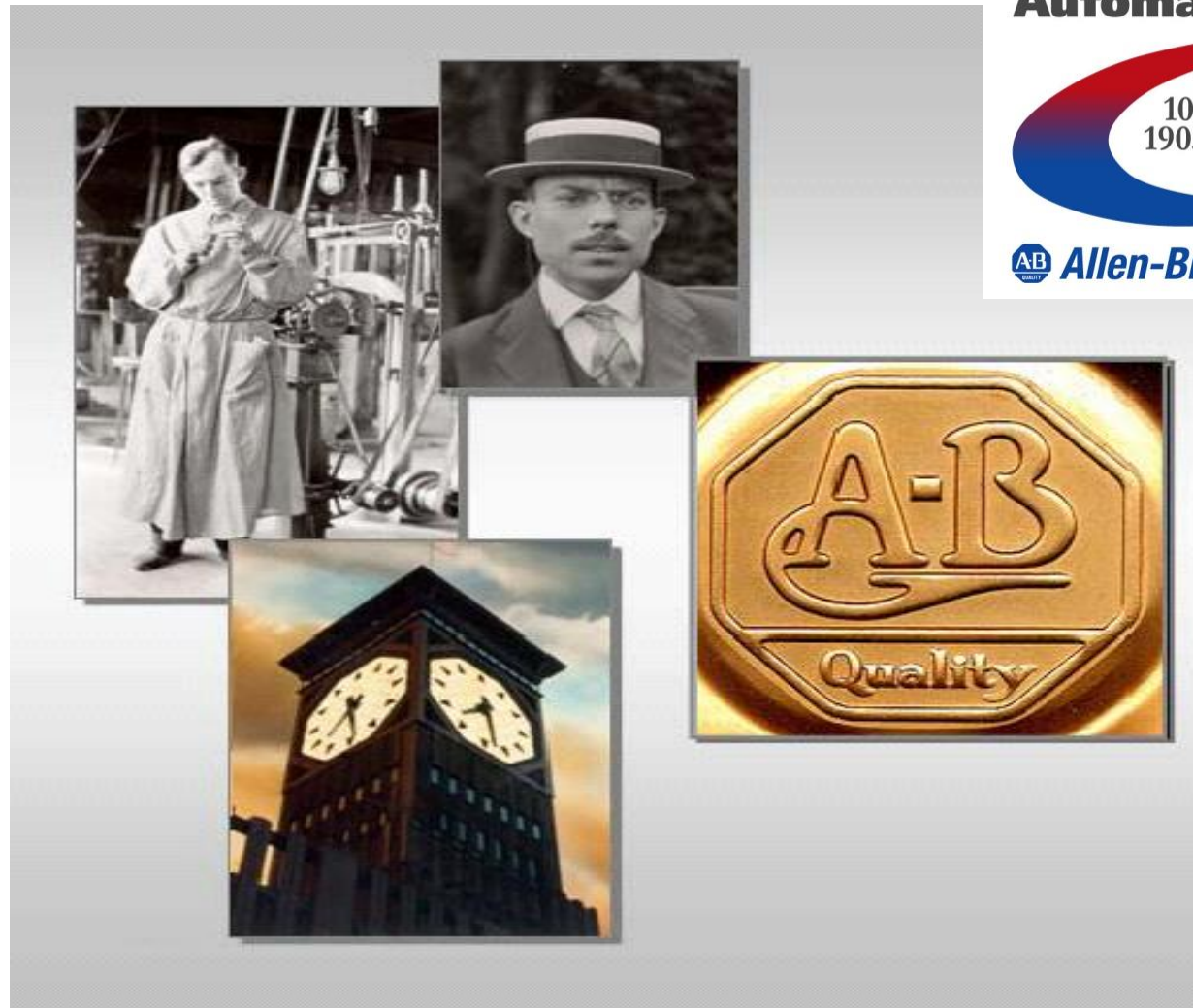


Allen-Bradley • Rockwell Software

**Rockwell
Automation**

A 100 years of Quality...

**Rockwell
Automation**



**Rockwell
Automation**



Allen-Bradley

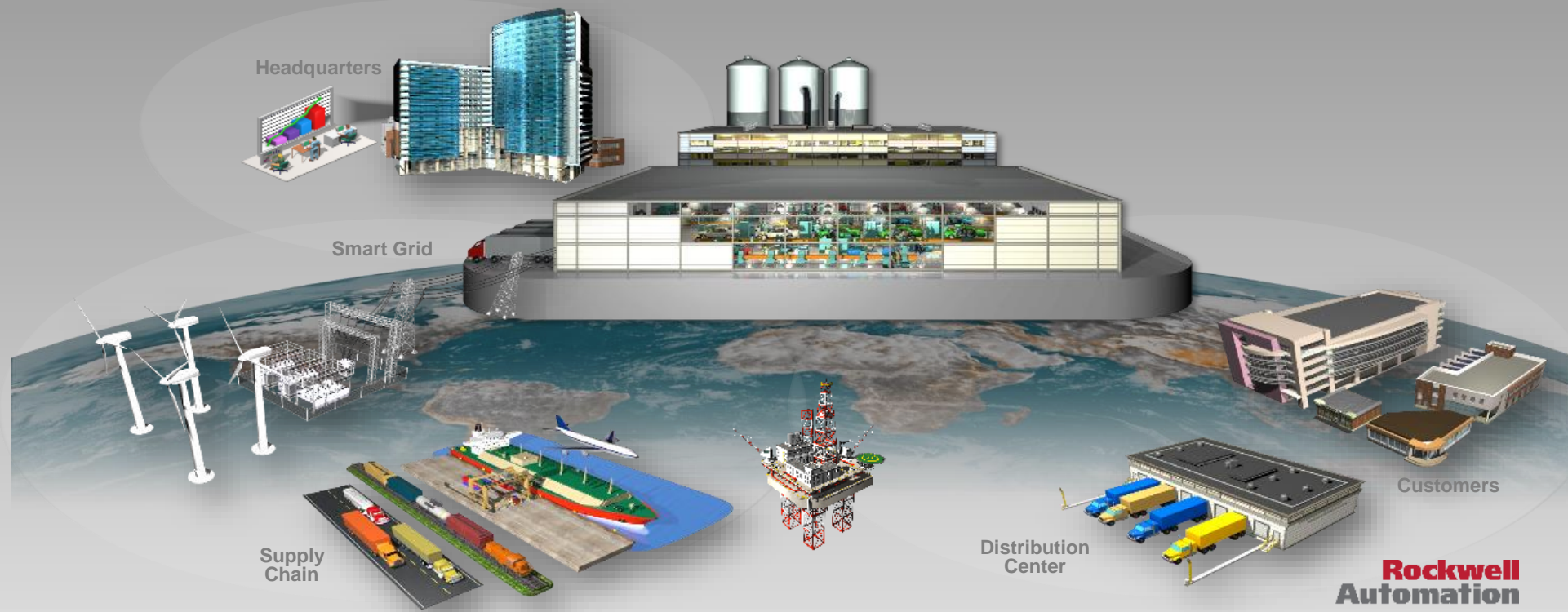
Rockwell Space Shuttle Orbiter...

**Rockwell
Automation**

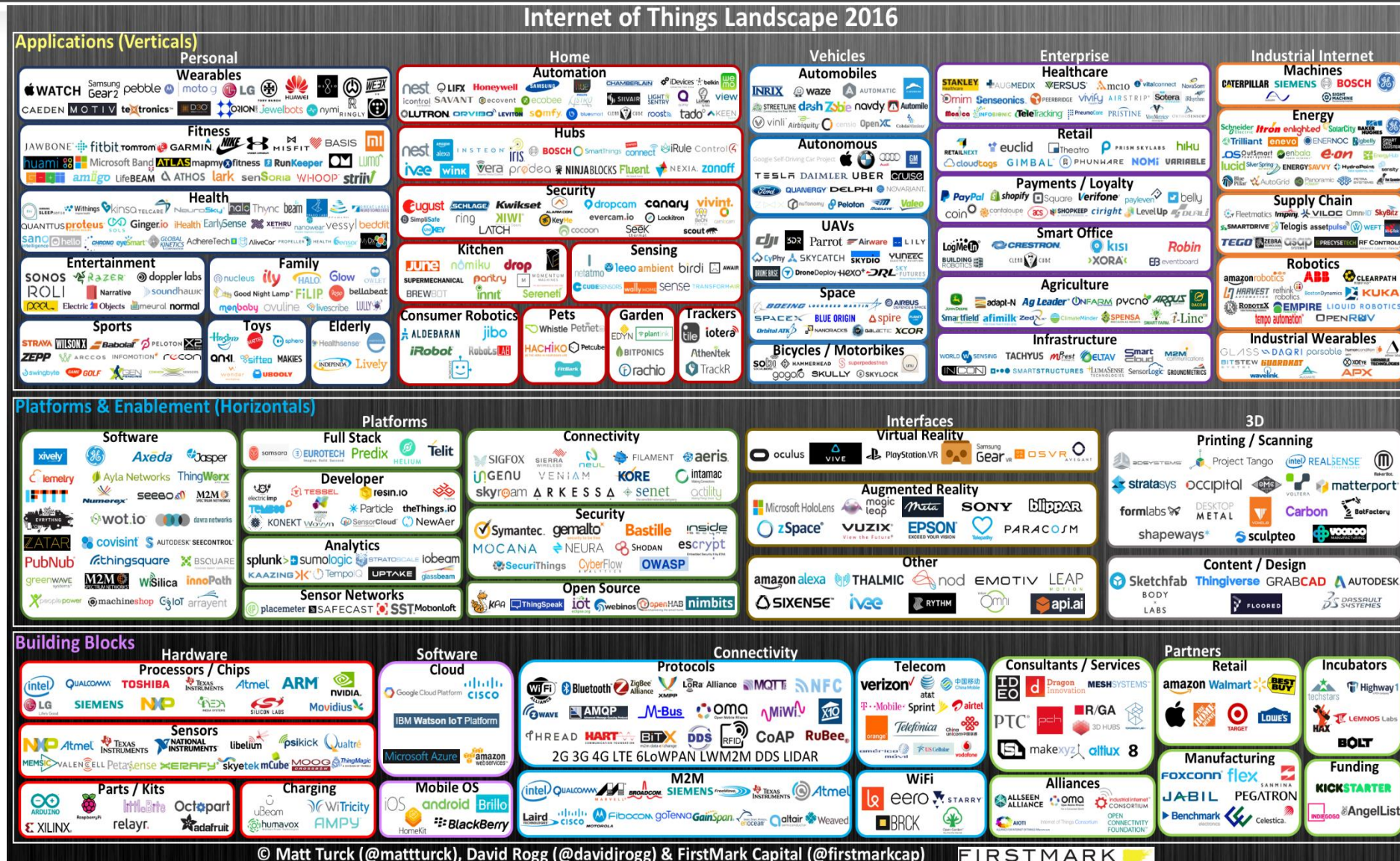


THE CONNECTED ENTERPRISE

Optimized for Rapid Value Creation – Enabled by Integrated Control and Information

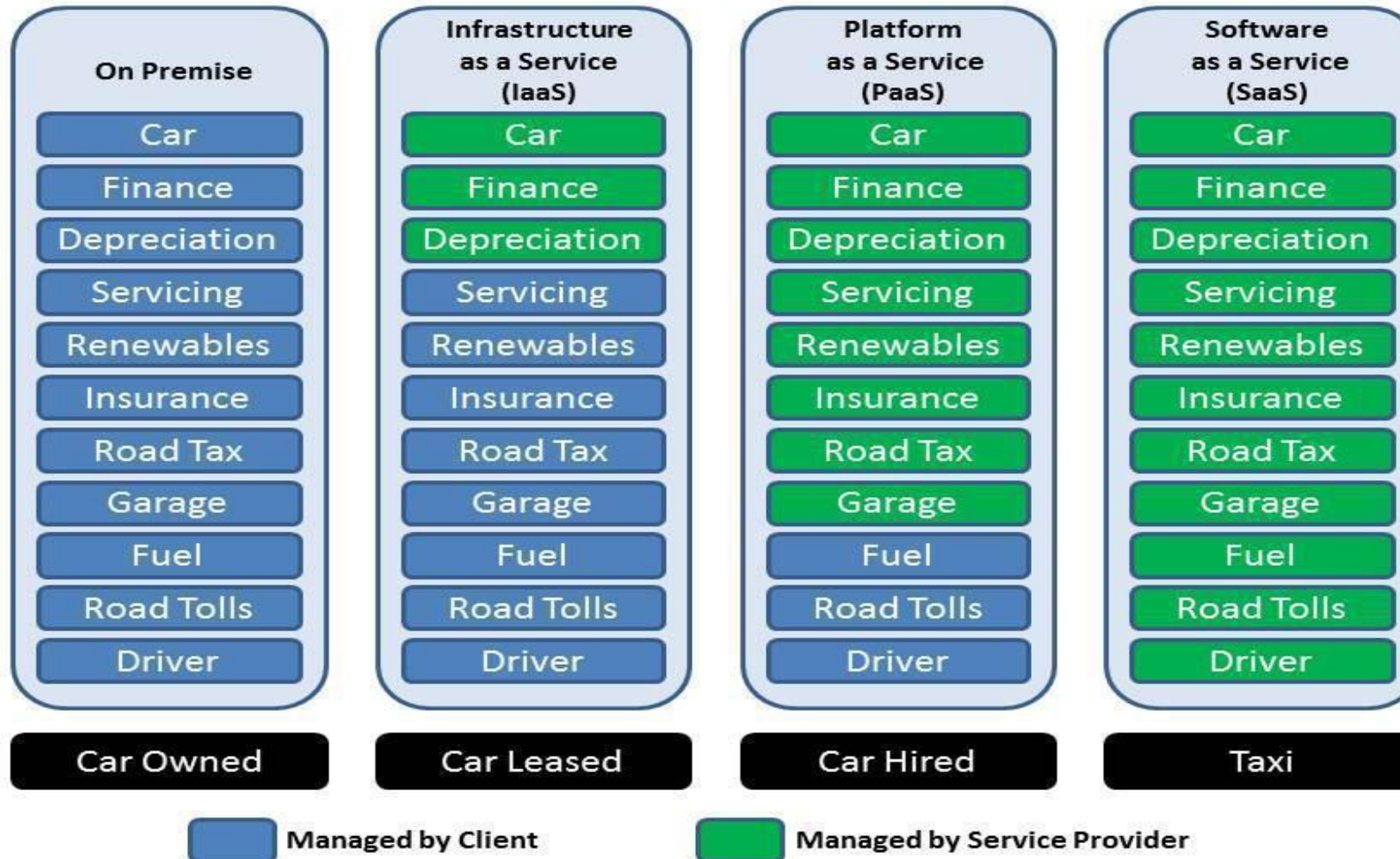


IOT (Internet of Things) – What is it?



SaaS (Software as a Service)

Car as a Service



Car Owned

Car Leased

Car Hired

Taxi



SERIALISATION

- Anti-Counterfeit
- Supply Chain Traceability
- Brand Analytics

Geoff Nunan
Principal Consultant

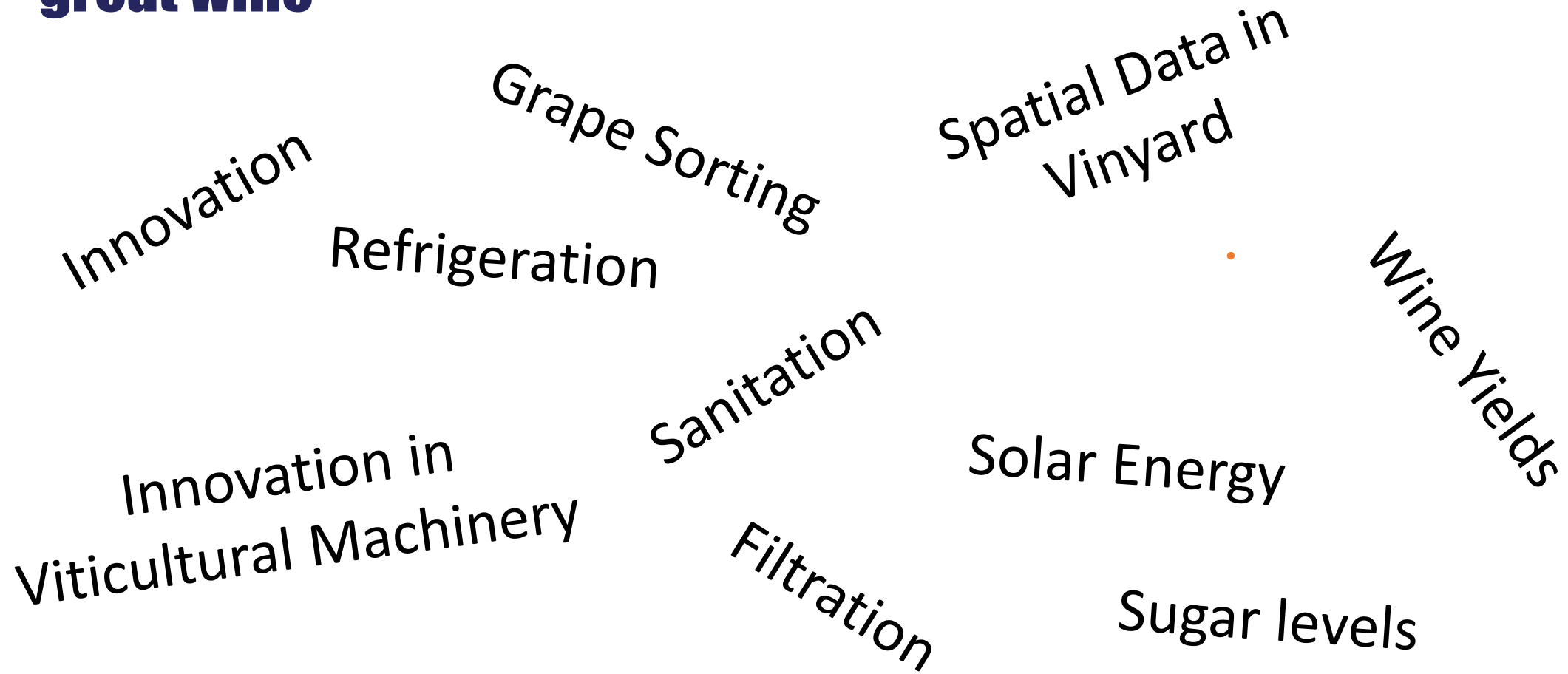
NUKON



Who is Nukon?

- Food and Beverage industry specialists
- Business Optimisation Consultants
 - Process and Packaging Optimisation
 - Business Process Optimisation
 - Planning and Scheduling Optimisation
 - Anti-counterfeit and brand protection
- National company
 - Adelaide, Melbourne, Sydney, Brisbane and Pune(India)
- Endorsed Integration Partners
 - Rockwell Software MES
 - Rockwell Historian
 - Rockwell 'Connected Enterprise'
- Partners with SAGE Automation
 - Process Control and Electrical Projects
- 22 Food and Beverage Specialist consultants
- Food and Beverage customers include
 - Coca Cola Australia
 - Murray Goulburn
 - Fonterra
 - Graincorp
 - Treasury Wine Estates

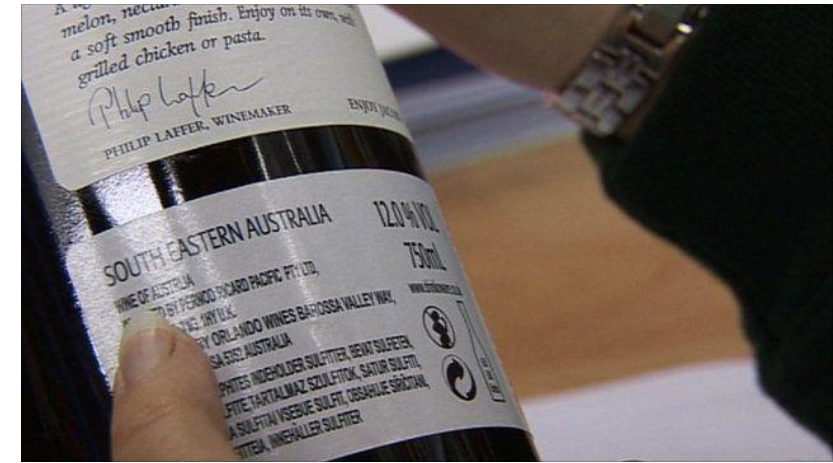
You put so much effort into making great wine



But what are your customers actually drinking?



SOUTH AUSTRALIA



What will your brand look like in China?



But that's just the brand pirates

- For every bottle of French wine in china, there is a bottle of fake French wine.
- Official estimates are 50% to 70% of all wine
- Consumers are cautious of buying expensive wine because of the high percentage of fakes

So what is Serialisation?

- A unique serial number on every bottle in the form of a QR code
- Serial numbers on Cases and Pallets
- Bottle numbers tracked to case numbers, case numbers tracked to pallet numbers
- Consumers scan the QR to determine if the product is authentic, and to find detailed information on that specific bottle of wine



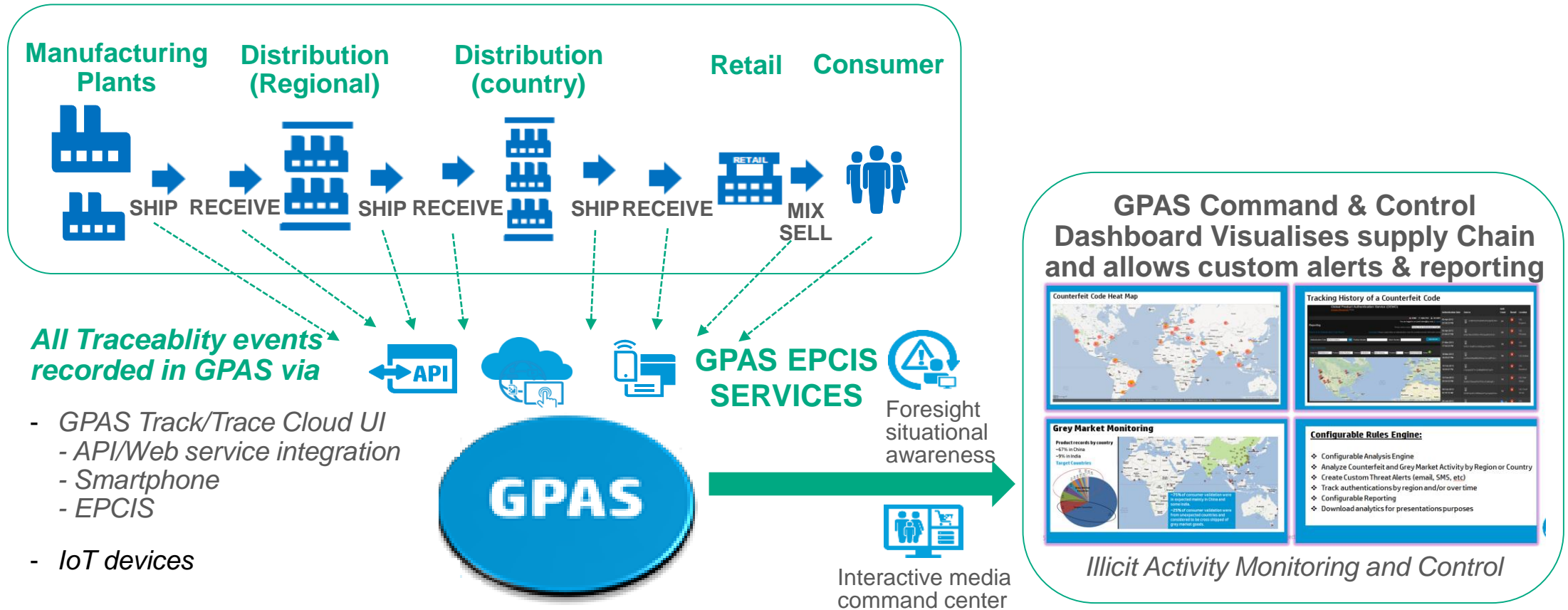
Can't they just copy the QR code?

- When a consumer scans the bottle, we collect data from the consumers phone
 - Location
 - Number of times scanned
- We can then use rules to determine if that code is authentic
 - Is the bottle where it should be?
 - Is the bottle in multiple places at once?
- Consumer also gets details of the wine that should match the code, and can verify authenticity

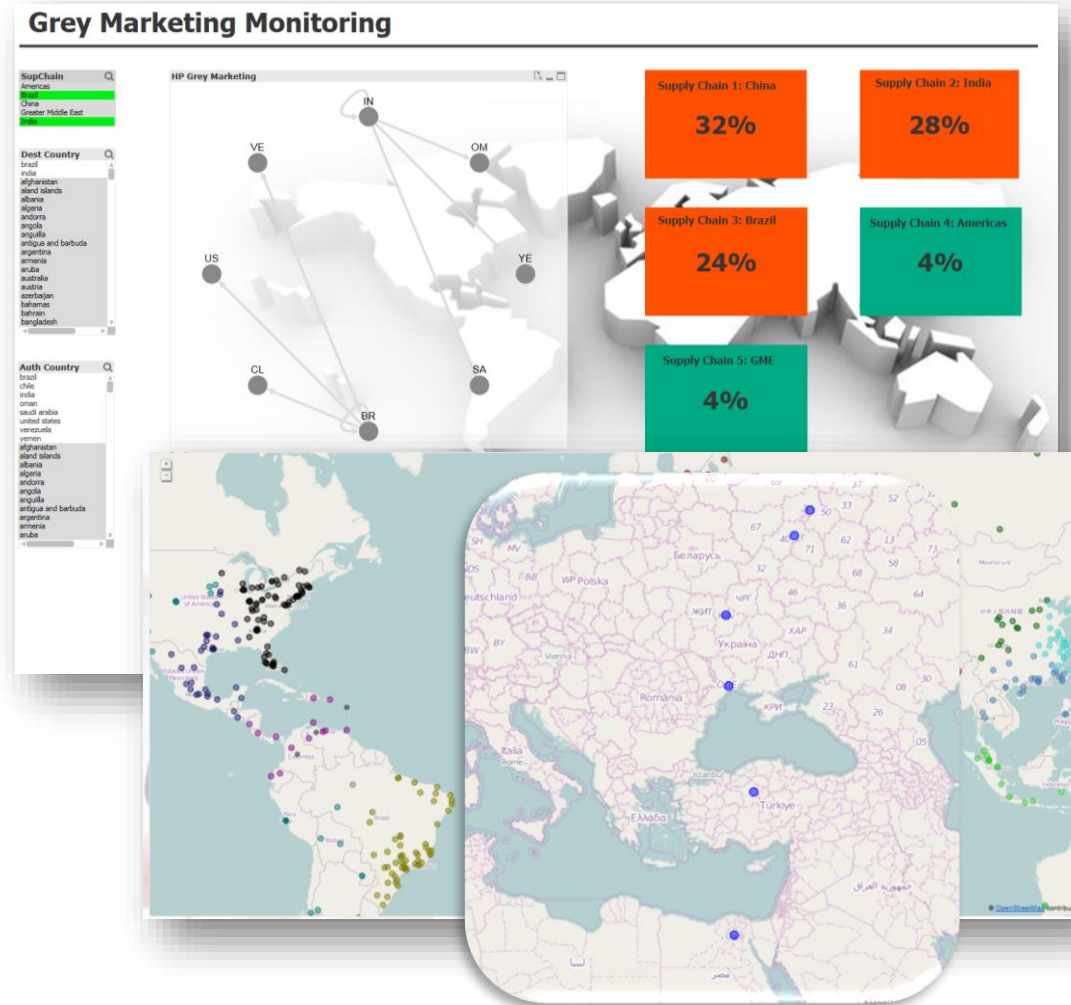


GPAS Track and Trace – Supply Chain Visualisation & Monitoring

GPAS provides a flexible cloud based track and trace service enabling all stakeholders in the supply chain to participate, capture and record traceability events at both a finished goods and ingredient level from point of manufacture through to consumer engagement.



GPAS Business Analytics Use Case – Supply Chain Analytics



Grey Marketing

- Identify **significant changes** in grey market activity
- Identify the **root of the problem**
- Advanced: **Predict** the likelihood of a deal going grey

Anti-Counterfeit

- Identify **hot-spots** of counterfeit activity
- Identify related **groups** of counterfeit products & **illicit supply chains**

Other potential insights and applications of supply chain analytics include:

- Disaster recovery program management
- Ongoing supplier assessment program mgt,
- Day to day supply chain performance measurement and management

What's required in the plant?

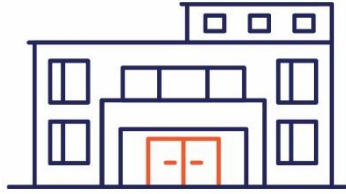


- Register Serial Numbers when applied to product
- Add product attributes
- Aggregate into cases – Scanning
- Aggregate onto Pallets – Scanning
- Error Handling
- Integration



Challenges in the bottling plant

- Big Data Volumes – Data for every bottle. How many bottles per day do you bottle?
- Printing / Scanning speed. How many Bottles/minute
- Integration speed – Send all that data to the cloud
- Aggregation – making sure you get the serial numbers tracked to the right case labels



Integrate
Business Data



Streamline
Supply Chain



Track Materials,
Inventory and Products



Improve Performance

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*We exist to inspire teams and create transformational change by
delivering the technology solution to realise your vision.*

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