VISION FACTORY
OPERATING SYSTEM®

Achieve Peak Factory Performance

Full-Service Technology

- Fully integrated, smart manufacturing product
- Combines industrial grade IoT enabled hardware, and AI driven software
- We give manufacturers the tools to make actionable decisions in their factories.

Full-Factory Scope

The Vision Factory Operating System™ is deployed across your entire factory allowing you to achieve greater efficiency and productivity throughout.

- Production
- Engineering & Maintenance
- Logistics
- Quality
- Purchasing
- Accounting & ERP

Production

- Greater oversight over machine performance
- Real-time production analytics
- AI recommendations and optimisations

Logistics

- Warehouse tracking
- Client & Supplier portals
- Streamline operations with production

Purchasing

- Inventory & critical spares tracking
- Automated purchase recommendations
- Streamline operations with engineering

Engineering & Maintenance

- Preventative & Predictive Maintenance
- Automated tracking & reporting of tasks
- AI generated notifications

Quality

- Improve quality
- Automated quality deviation tracking
- Machine quality tracking

Accounting & ERP

- COMING SOON

Opportunity for Competitive Advantage

70%

of factory generated
data is unused

Gartner, 2015

50%

reduction in machine downtime through
the adoption of Industry 4.0 projects

McKinsey & Company, 2016

40%

reduction in maintenance costs
with IoT based solutions

Deloitte, 2019

The Vision Factory Operating System™ uses real-time data to:

Improve Quality
Lower reject rates, more efficient operations

Increase Uptime
Improve asset utilisation, increase profitability

Maximise Throughput
Improve throughput, increase revenue

Decrease Cost
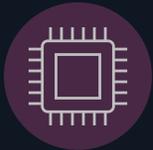Reduce diagnosis and repair time, improve profitability

Streamline Factory Operations

HOW IT WORKS

Site Survey

We do a free site survey to fully understand your needs and requirements.

Hardware Installation

We install our industrial grade IoT enabled hardware, all designed and developed in house.

Software Integration

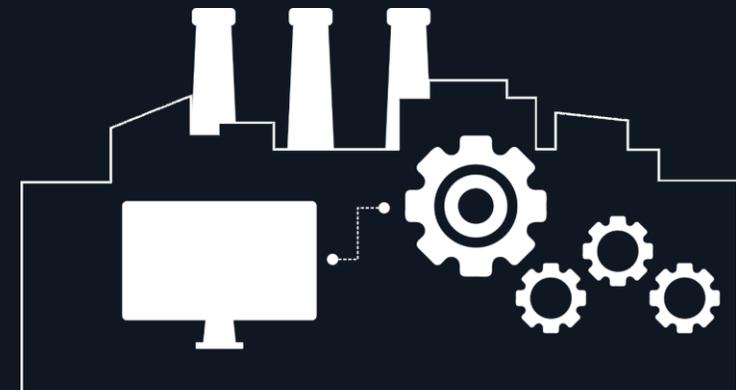We integrate the hardware with our AI driven software.

Deployment

The last step is full deployment, allowing you to reach peak factory performance.

PRODUCT
APPLICATION

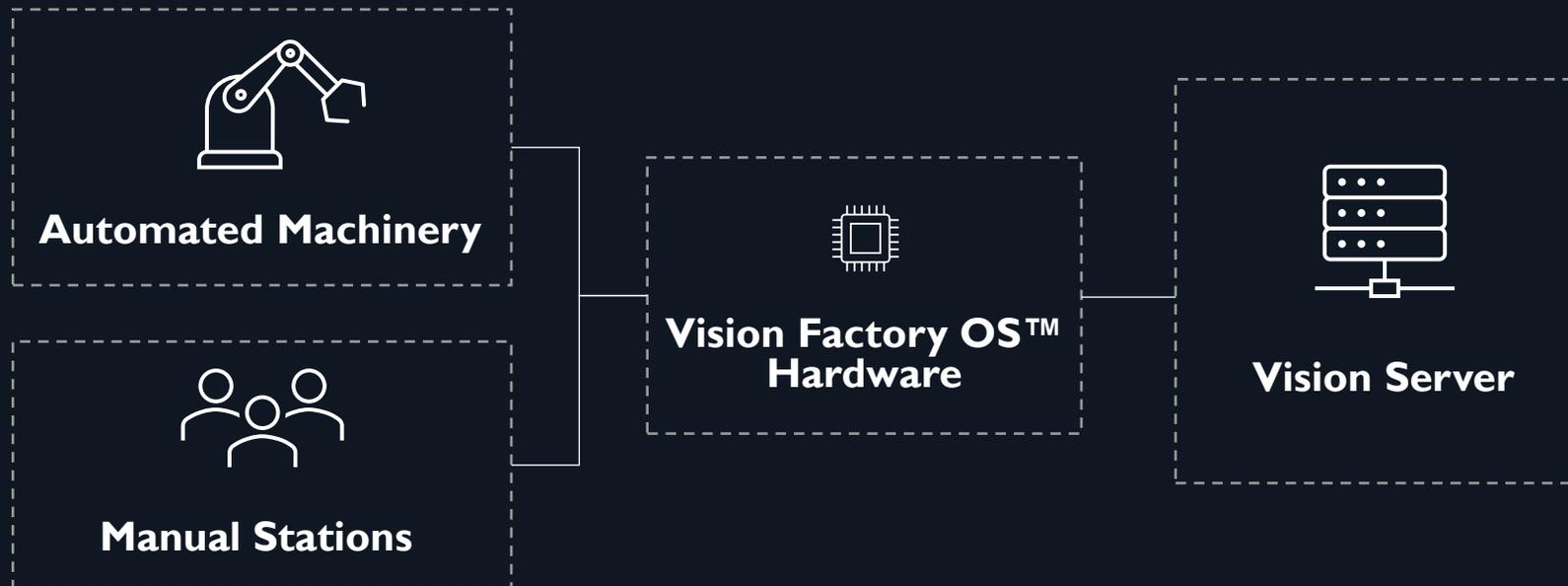**Meets the needs of any manufacturing application, regardless of:**

- Equipment running
- Number of machines
- Type of operation – automated / manual stations
- Industry type

PRODUCT
NON-INVASIVE SOLUTION

- System is entirely non-invasive, meaning zero changes to existing factory infrastructure.
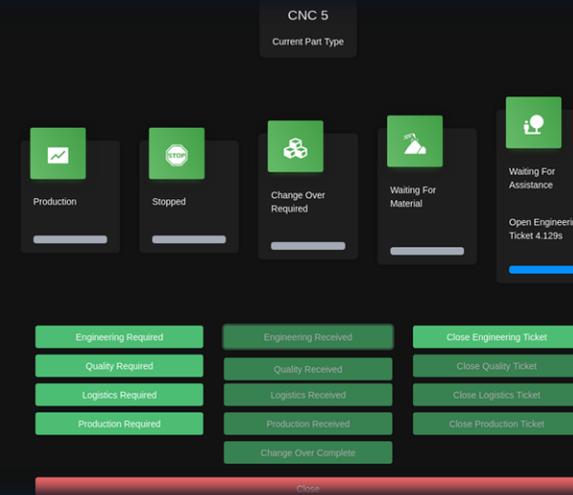- This enables rapid installation times and full-scale configurability.

Automated Machinery

Manual Stations

Vision Factory OS™ Hardware

Vision Server

PRODUCT
SOFTWARE ALL MANUFACTURERS NEED

Scalable, Flexible, Secure

- Intuitive user interface

- Fully configurable

- Divided according to factory department

- Web based – no need for timely application installations

PRODUCT
SOFTWARE ALL MANUFACTURERS NEED

Full scale configurability

Configure Vision to suit your needs. This gives manufacturers full control and oversight over their factory processes and operations.

Real-time dashboards

The real-time dashboards provide a comprehensive means to view and analyse data from any machine or station. Track status, monitor throughput and quality, and optimise with ease.

Streamlined operations

Vision streamlines the operations and functioning between factory departments. Personnel receive live notifications.

Digital reporting & auditing

Historical reports and audit trails can be generated. Vision also has an automatic report generation feature, meaning reports can be emailed on a predetermined basis. Use Vision & go paperless!

PRODUCT
SOFTWARE ALL MANUFACTURERS NEED

Speed

Our software and database architecture has been designed with speed and efficiency in mind. Our read and write speed are over 50 times faster than traditional software systems.

Production engine

The production engine has been designed to give factory staff greater oversight over machine data. It also allows for scheduling and planning, and has optimisation tools.

Traceability

Full part traceability gives manufacturers the ability to identify, track, and trace elements of a manufactured product.

Documentation management

Vision allows for the uploading and downloading of documentation. All documents can be organised according to station and function.

PRODUCT
SOFTWARE ALL MANUFACTURERS NEED

Over-the-air (OTA) updates

We do not believe in versions and reselling to our customers. All Vision updates and future releases will be available to manufacturers to download via our updates portal.

Unmatched security

The controls you need to be confident all your manufacturing data is protected. Vision can run on its own network, with zero changes needed to existing infrastructure.

PRODUCT
HARDWARE DESIGNED FOR ANY APPLICATION

IoT enabled hardware

- All hardware is designed and assembled in-house
- We have a solution to any factory application
- All hardware has been CE certified

IO
Our IO Expander Boards can handle multiple setups - Digital Inputs, Digital Outputs, Analogue Inputs, Analogue Outputs.

VISUAL
Our Visual Boards provide a means to streamline operations within a factory environment.

PRODUCT

HARDWARE DESIGNED FOR ANY APPLICATION

MASTER

Our Master Boards have dual core 32-bit processors running at 240 MHz. They have SIM and Wi-Fi capabilities.

POWER

Our Power Boards can measure the power consumption of any machine or factory building.

CONNECT

Our Connect Boards facilitate the interface between software and machine and allow for instant data acquisition.

PRODUCT
SMART DEVICES

Smart HMI

- Can be setup at each machine / station
- View production goals
- Monitor live production throughput
- Download station specific documentation
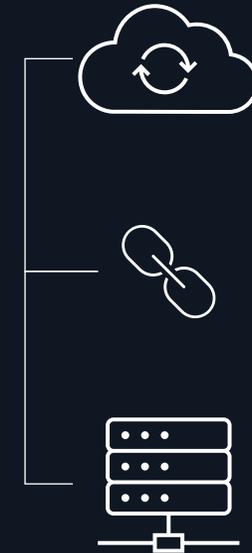- Instant access to factory support - ANDON system

Smart Screen

- Can be setup anywhere in a factory
- View Shift targets
- Monitor Live factory data
- Fully configurable
- Analytical tools for meetings

PRODUCT

VISION-LINK

o   Cloud-Edge Hybrid

o   Gives users the added benefit of cloud functionality, with the security of edge architecture

o   Remote into your factory from anywhere in the world

o   All data is still processed and stored locally

PRICING STRUCTURE

BEST PRICE ON THE MARKET

1
PaaS – Platform as a service

Single monthly fee that covers
hardware & software

2
Site Survey & Installation

Free

3
Training

Free

BENEFITS OF MONTHLY SUBSCRIPTIONS

WE DO NOT BELIEVE IN VERSIONS

o Reduction in initial capital outlay for our customers

o We continuously develop new tools and features to add to our platform

o This allows us to upgrade and improve the system as we go along

o All system updates will be available via our over-the-air (OTA) updates portal

o We do not believe in the "install and leave mentality", we work with our customers

CONFERENCES

AWARD WINNING PLATFORM

o MTN IoT Conference 2019 – conference finalist for the best IoT
   hardware solution.

o London IoT Global Tech Expo 2021 – we will be showcasing and
   speaking at the world's largest IoT event of the year.

PLATFORM VIDEOS

VIDEOS SHOWCASING PLATFORM / LIVE DEMO

- On request

CONTACT US!

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