

## Applus Vision

From remote inspection to AI-ready asset intelligence



# The Inspection Evolution



**RDVI** transforms inspection from human observation into structured, traceable, analytics-ready asset intelligence.

From field inspection to data-driven decision support

**Applus<sup>+</sup>**

## EXECUTIVE MESSAGE

# The opportunity is bigger than remote inspection

RDVI turns inspection activity into structured evidence and a reusable asset data layer.



## Today

Visual findings and reports remain dependent on access, availability and interpretation at a point in time.



## RDVI

Findings become traceable records with location, evidence, severity, extent and action status.



## Next

Consistent labelled datasets create the foundation for analytics, assisted review and machine learning.

---

**Strategic position: RDVI is the digital evidence layer for asset integrity, not only a drone service.**

**This is what the data confirms.**

# RDVI Operating Model

END TO END DELIVERY

## A controlled workflow from capture to verified output

The value is created by disciplined execution, not by the platform alone.



**Outcome:** One model, one evidence set and one governed dataset that can be inspected, audited, trended and reused.

## DATA DISCIPLINE

# Machine learning starts with a consistent inspection record

Every finding should be captured with the same core fields and verification logic.

01

### Asset / Area

Asset hierarchy and inspection boundary

03

### Anomaly Type

Agreed defect taxonomy

05

### Severity

Priority and risk basis

07

### Status - (Open, Close, Pending, WIP)

Progress and closure tracking

02

### Unique Location

Traceable point in the model

04

### Extent / Size

Measured or qualified condition

06

### Action Owner

Customer, inspector or SME

08

### AI

Automate, predict, Machine Learn

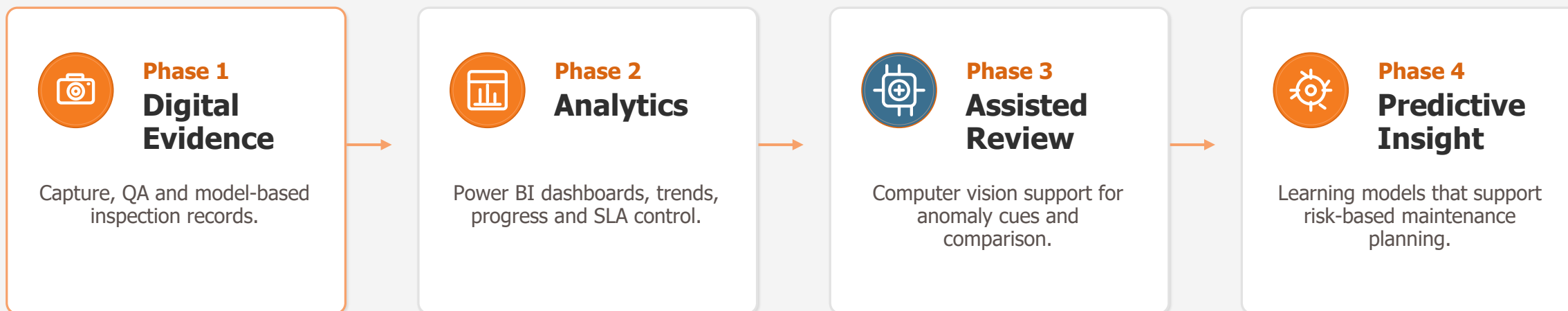
This is the bridge from inspection reports to analytics, automation and predictive decision support.

# Migration to AI and Machine Learning

## MATURITY PATHWAY

### AI is the next phase, but the evidence layer comes first

The objective is not to replace inspection judgement. It is to strengthen consistency, speed and decision support.



#### Critical control point

AI will only be credible where data is governed, labelled consistently, verified by SMEs and repeatable across assets.

## Analytics Available

### CSV Data

Easily available CSV data of all anomaly entries



### Anomaly information

Important anomaly information available (location anomaly type, extend severity description, etc)



### Graphs visualising Metrics Generated

For easy identification and future planning.



# Anomaly Information Table Example

| Record ID  | Area Name     | Component / Item | Anomaly Code | Anomaly Name               | Severity No. | Inspector Name | Date Identified | Interim Control Notification Flow Initiated | Comments | Site Inspection Required (SIR) | IG Comments |
|--|---------------|------------------|--------------|----------------------------|--------------|----------------|-----------------|---|----------|--------------------------------|-------------|
| <a href="#">0edd8f9e-bb77-4e45-adb3-2e5fdae2eab</a>  | Upper Level 2 | OTHR             | OTHR         | Other - Specify            | S2           | John Doe       | 1/12/2025       | No  | N/A      | Yes                            |             |
| <a href="#">01b8e799-a15f-4c46-8a61-f51ce3dd6a6c</a> | Main Deck     | DP               | LEAK         | Leak/Stain/Weep            | S2           | John Doe       | 1/12/2025       | No  | N/A      | No                             |             |
| <a href="#">138f91ae-bf94-4a2a-92f6-d7a2b7eb9cc7</a> | Main Deck     | SC               | OTHR         | Other - Specify            | S2           | John Doe       | 1/12/2025       | No  | N/A      | No                             |             |
| <a href="#">69abbf42-e6a2-4acd-9688-5981ac519c02</a> | Main Deck     | SC               | OTHR         | Other - Specify            | S3           | John Doe       | 1/12/2025       | No  | N/A      | No                             |             |
| <a href="#">74b71472-3efa-406a-8fd4-03cde58d1ff3</a> | Main Deck     | SC               | OTHR         | Other - Specify            | S2           | John Doe       | 1/12/2025       | No  | N/A      | No                             |             |
| <a href="#">94727a0a-5a8f-4901-95b2-6d9358890e95</a> | Main Deck     | SC               | LEAK         | Leak/Stain/Weep            | S2           | John Doe       | 1/12/2025       | No  | N/A      | No                             |             |
| <a href="#">be4fd57c-07d0-40bf-b34c-8d3738691849</a> | Main Deck     | SC               | OTHR         | Other - Specify            | S1           | John Doe       | 1/12/2025       | No  | N/A      | No                             |             |
| <a href="#">098edf02-8917-4cf1-b6bf-3161baed35f9</a> | Main Deck     | VS-SC            | CORS         | Section Loss - Severe      | S3           | John Doe       | 1/12/2025       | No  | N/A      | No                             |             |
| <a href="#">0a81a993-b9e9-40e8-a573-87c01c604257</a> | Main Deck     | FW               | CORD         | Corrosion - Local/Discrete | S3           | John Doe       | 1/12/2025       | No  | N/A      | Yes                            |             |
| <a href="#">0b4975cc-468d-43f3-b8d4-16ccca8b5918</a> | Main Deck     | VS-GR            | OTHR         | Other - Specify            | S4           | John Doe       | 1/12/2025       | No  | N/A      | Yes                            |             |
| <a href="#">0e8291c8-befc-4712-bb78-6a63d8fdee1f</a> | Helideck      | SL               | CORG         | Corrosion - General        | S3           | John Doe       | 1/12/2025       | No  | N/A      | No                             |             |

# Using Metrics to support Decisions



# What RDVI Enables (Benefits & Differentiators)

A structured dataset is created as inspectors work — enabling trending, prioritisation and transparent progress reporting.



## Safety & access

Fewer people offshore; reduced exposure to height, over-water and confined space hazards. Utilisation of experienced Inspectors not Bosiet certified

## Productivity & cost

Less mobilisation and rework; progressive reporting at time of inspection; Report with Metrics to meet Customer SLA's

## Evidence & compliance

Tagged, Traceable & reviewable findings with precise location and photographic evidence.

## Analytics & decision support

CSV export enables Power BI dashboards, trending and prioritised maintenance actions.

## Implementation steps:

Standardise anomaly taxonomy + severity/SLA rules • Expand to process plants (internal/external) • Build dashboard templates • Establish continuous improvement loop (lessons learned → better capture → better assurance)

# Partnership with Technology Leader



ASSET ACCESS  
& CAPTURE



EQUIPMENT



SKILLED  
TECHNICIANS



SOFTWARE &  
DATA PLATFORM



DIGITAL  
MODEL



ANALYTICS  
DASHBOARD



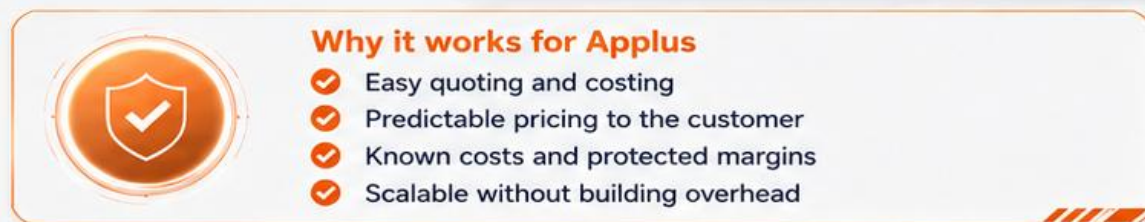
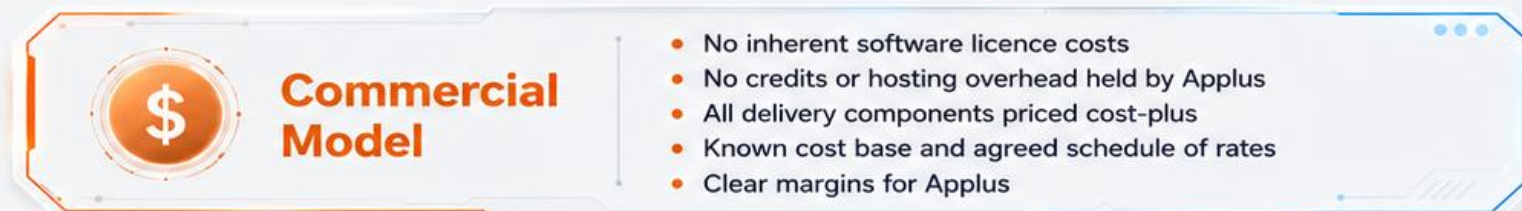
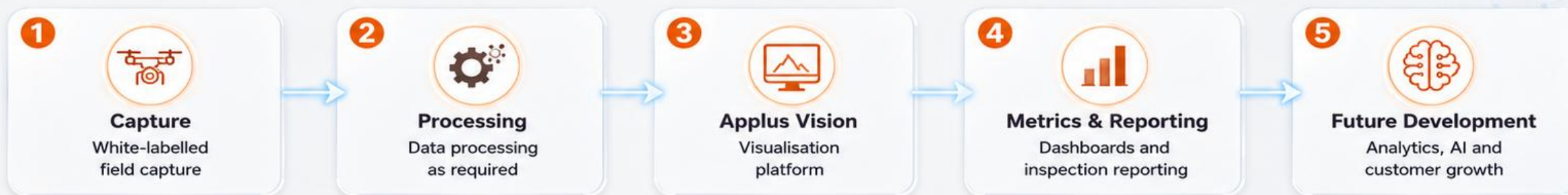
AI &  
MACHINE LEARNING



# Partner-Led RDVI Delivery Model

## White-Label Capability. Predictable Cost-Plus Delivery.

Applus sells the customer relationship, capture, processing, visualisation platform, reporting metrics and future development through a cost-plus model with clear margins and no fixed software burden.



**Principle: standing on the shoulders of giants, with Applus+ leading the architecture, governance and customer assurance model.**

RemSense has demonstrated the quality of capture, trained technicians, software pathway and responsiveness to support this delivery model. I would now like to invite Warren Cook, CEO of RemSense, to introduce RemSense.



**No fixed licensing, hosting or credit burden. Just clear delivery, clear cost, and clear margin.**

Thanks!



[www.applus.com](http://www.applus.com)

info@applus.com

---