



aquipa

Transforming rail network safety through
equipment safety & compliance management
on a modern SaaS platform

Presented by

Mark Barrett

Chief Operating Officer, aquipa, Australia



Desired Outcomes

Information Availability

Better availability and accuracy of equipment information and insights.

Communication Channels

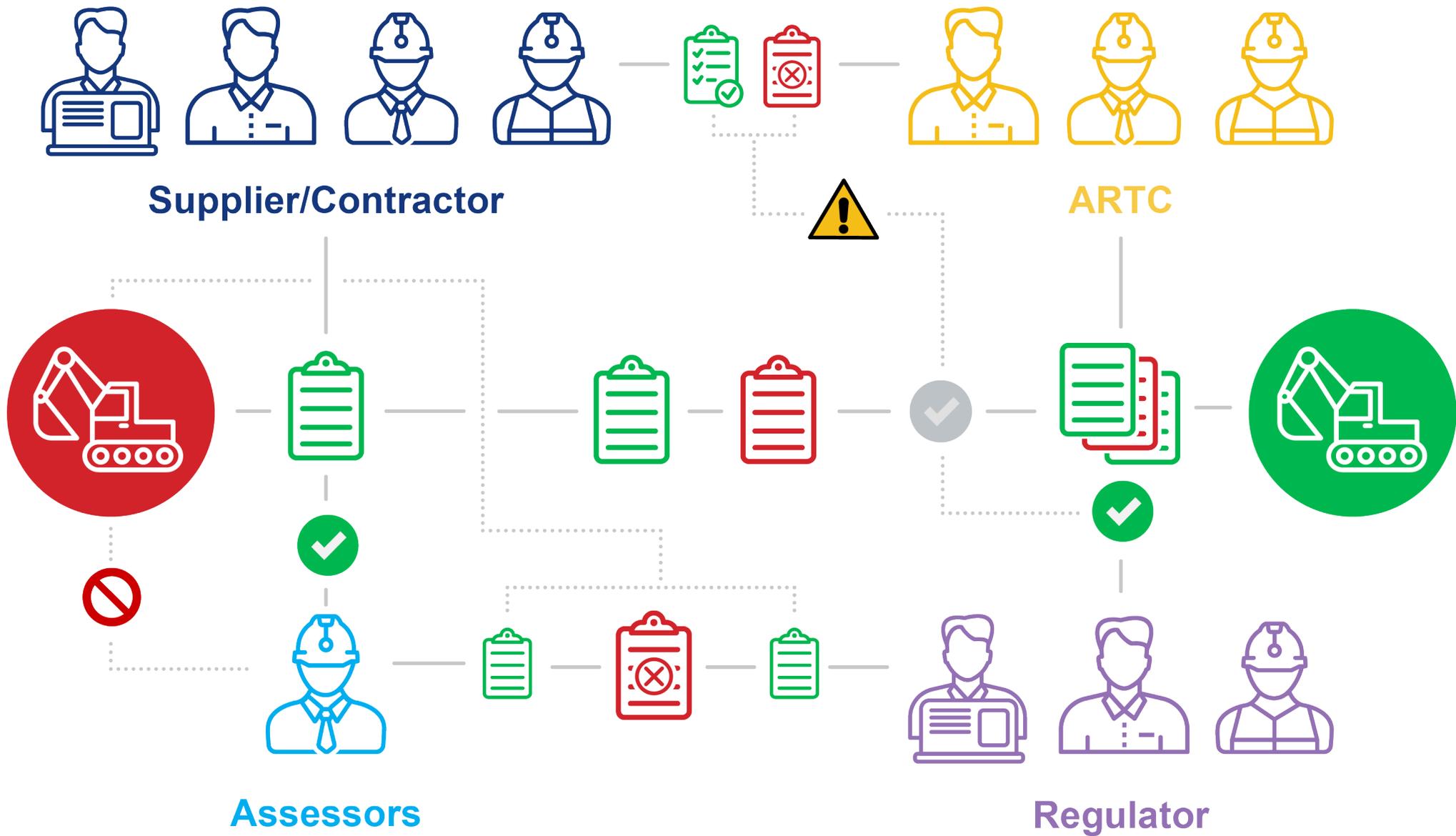
Superior communication channels across functional areas and stakeholder groups

Consistency & Transparency

Greater consistency and transparency around network-wide operational processes.

Reduced Paperwork

Reduced paperwork and administrative burden with better safety outcomes



Stakeholders



Supplier / Contractor

Engineering
Operator
Maintenance
Plant Manager
Safety & Compliance
Business Development



ARTC

Procurement
Standards Manager
Rolling Stock
Safety & Compliance
Projects
Site Manager
Operator



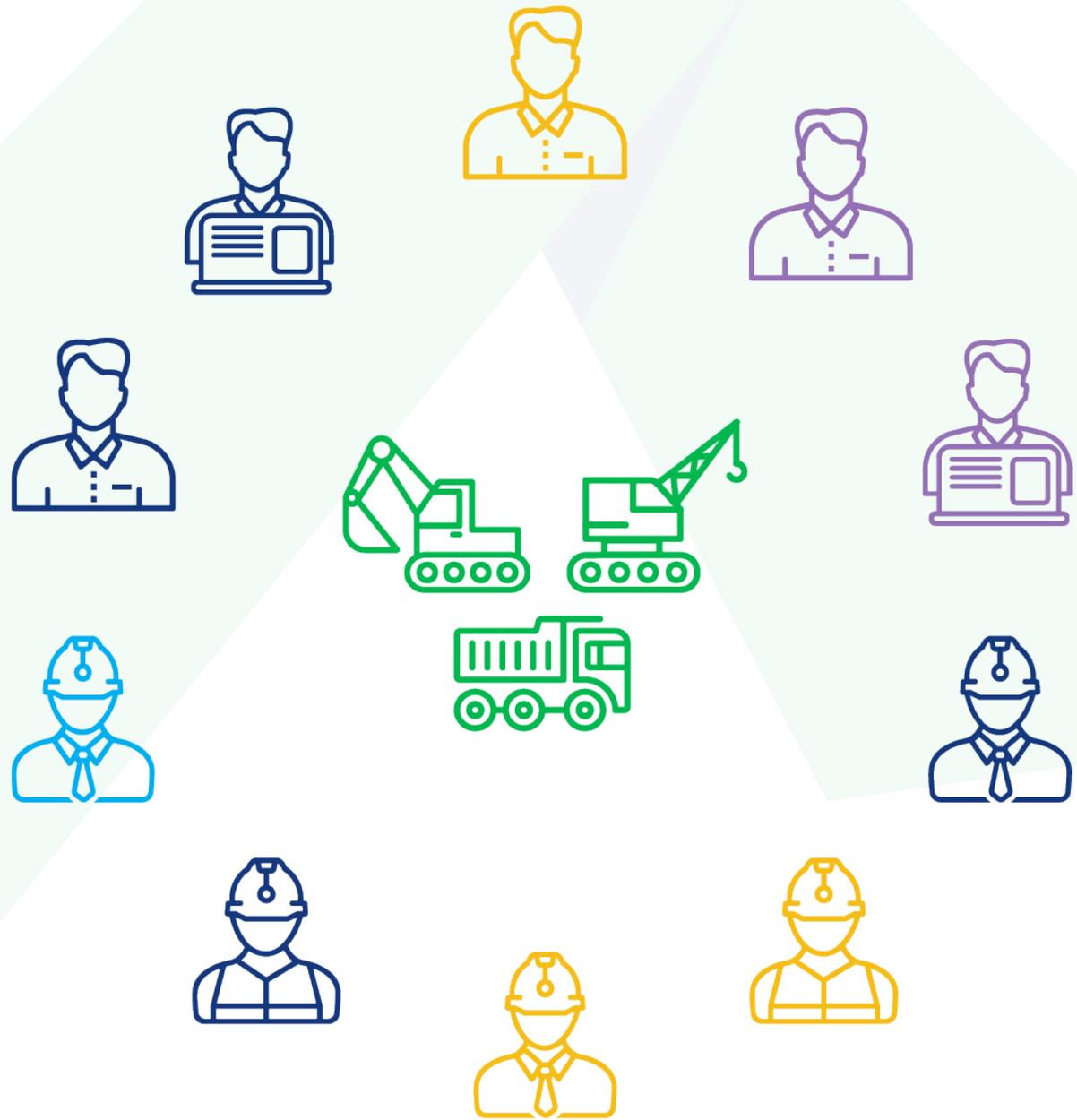
Assessors

Assessor
Maintenance



Regulator

Safety Officer
Auditor
Investigator





Dashboard

Supplier Metrics My Plant History

John Doe
JohnDoe@gmail.com.au

- Revert to Superadmin
- Admin Panel
- Dashboard
- Plant
- Connect
- Cases
- Connect Tasks
- Suppliers
- Assessments

PENDING PLANT APPLICATIONS: 29

ASSESSMENTS FOR REVIEW: 0

INCOMPLETE TASKS: 0

OPEN CASES: 6

Map Satellite

Applications Performance

From: 16/08/2019 To: 16/09/2019

Applications submitted: 48
Applications approved: 60
Applications rejected: 9
Average turnaround: 16 days

Suppliers By Plant Status

- No Issues
- Needs Attention
- Issues Present
- No Plant

Plant Status

- Active
- Assessment
- Application
- Flagged

Plant with Recently Completed Checklists

PREV SECTION

NEXT SECTION

Any vehicle over 4.5 tonnes gvm shall have the following vulnerable road user safety kit fitted:

- Class V and VI mirrors
- Close proximity sensors and blind spot camera
- Side under-run protection (on both sides)
- Audible alert for vehicle turning left
- Manufacture alerts
- Vulnerable road user warning signage

Manufacture alerts
Custom Additional Specific Requirement

Refusal of access to site
This vehicle may be unauthorised and will not be allowed to enter the site.

Class V and VI mirrors *

General Details

ID: 27742
Internal Plant ID: PH-3005
Plant Status: ✔
MTR for Plant Assessment: ✔ Expiry: 25/11/2020

Plant Type: Excavator
Make: Caterpillar
Model: Caterpillar

Specifications

Full Vehicle: YES
VIN Serial: GFM16DAN45011
GVM: 19,800 kg
Tare: 11,300 kg
Maximum Load: 2750
Length: 8,500 mm
Year of Manufacture: 2010
Road Roll Vehicle: YES
Plant Registered: YES
Road Registration Number: YH4X08
TV Classification: T10

Operating Restrictions

MTM	Restriction
M04	Maximum set speed of 10 km/h permitted on Metro Rail Network
M03	Vehicle is not certified to work on or over live 1500V DC overhead.

Vehicle equipment set

Site Checklist

PREV SECTION NEXT SECTION

Class V and VI mirrors *

	PASS	FAIL	N/A
Class V and VI mirrors *			

A method of minimising the vehicle blind spots eg camera system and/or sensor system and/or Fresnel lens (the system must be working) *

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A method of minimising the vehicle blind spots eg camera system and/or sensor system and/or Fresnel lens (the system must be working) *			

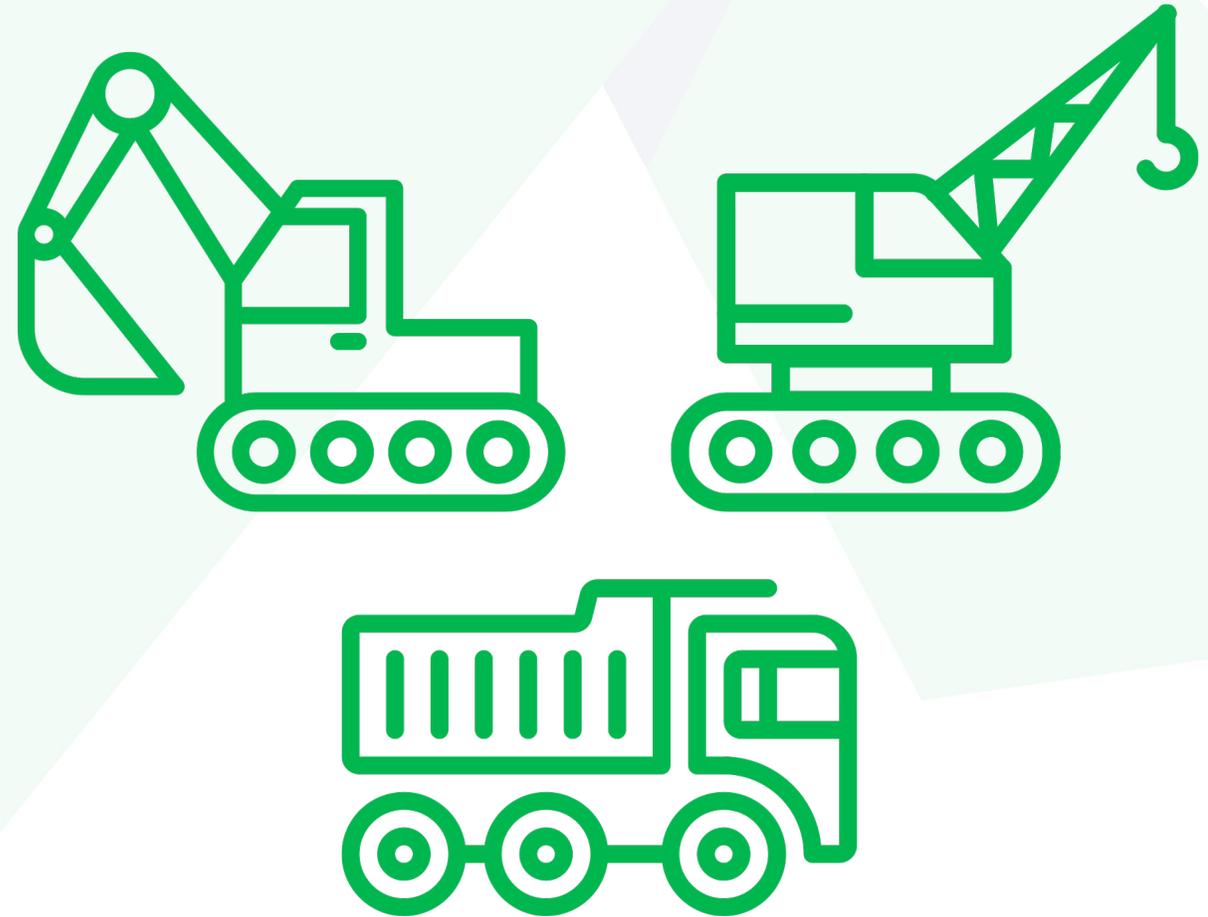
Side under run protection (on both sides) *

**Bringing plant, people
and processes
together**

The Plant

Machinery

Off-site
On-site
Hired
Owned



Stakeholders

Supplier / Contractor

Plant operator

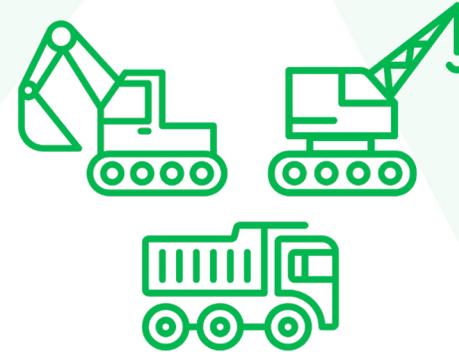
Maintenance

Manager

Compliance Manager

Owner/Director

Business Development



Stakeholders

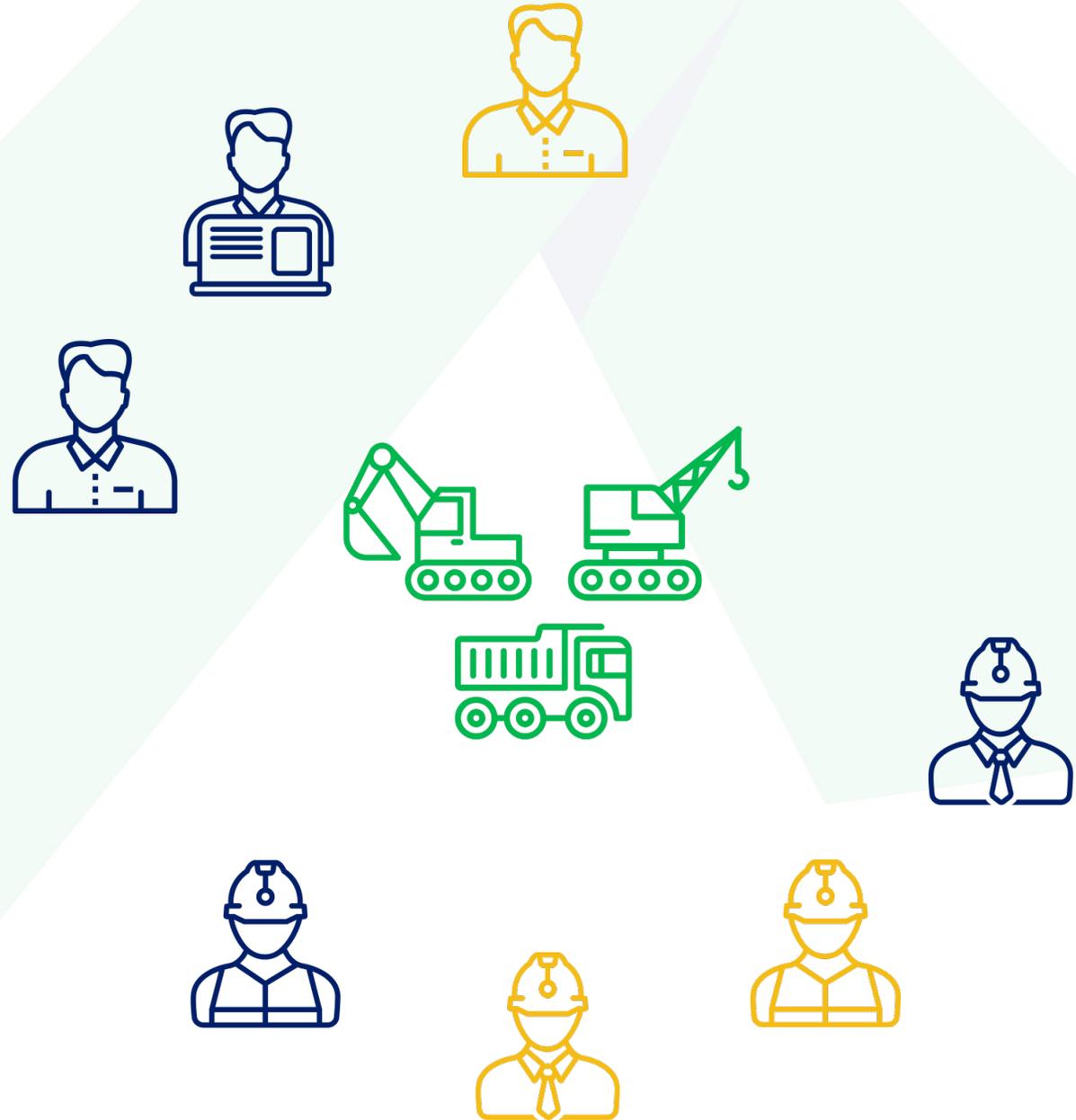
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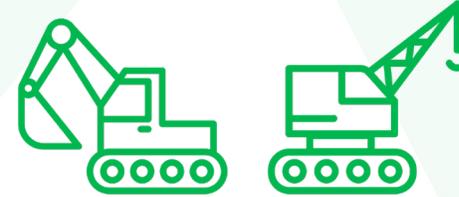
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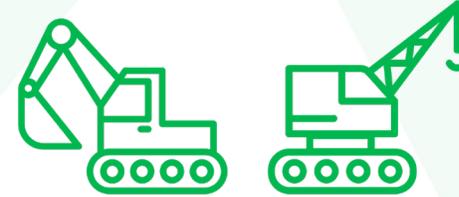
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Enhanced Processes

Application & Acceptance Process



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On-Site Processes



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On-Site Processes



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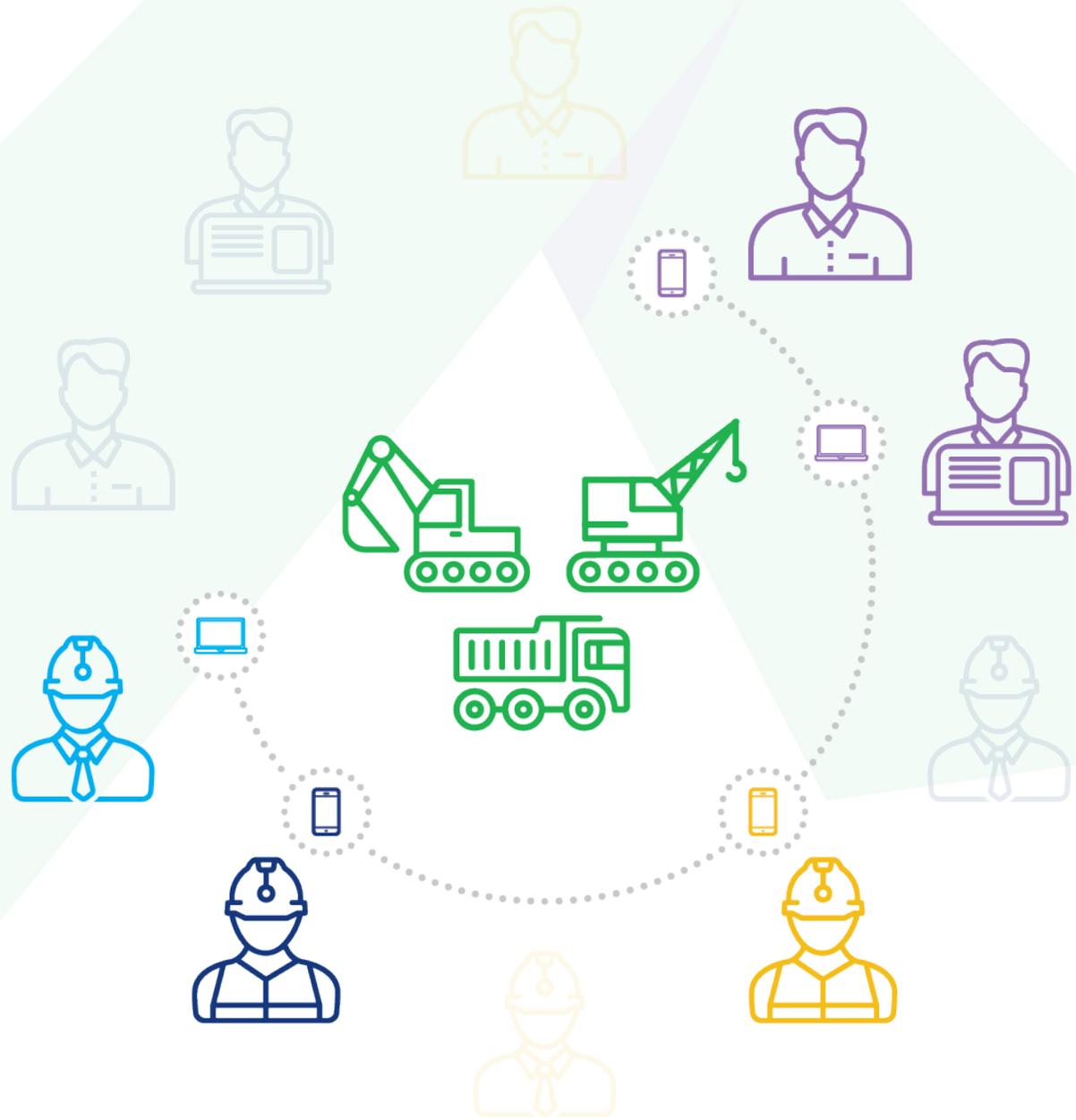
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Cases & Corrective Actions



Supplier / Contractor

- Engineering
- Operator
- Maintenance
- Plant Manager
- Safety & Compliance
- Business Development



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- Procurement
- Standards Manager
- Rolling Stock
- Safety & Compliance
- Projects
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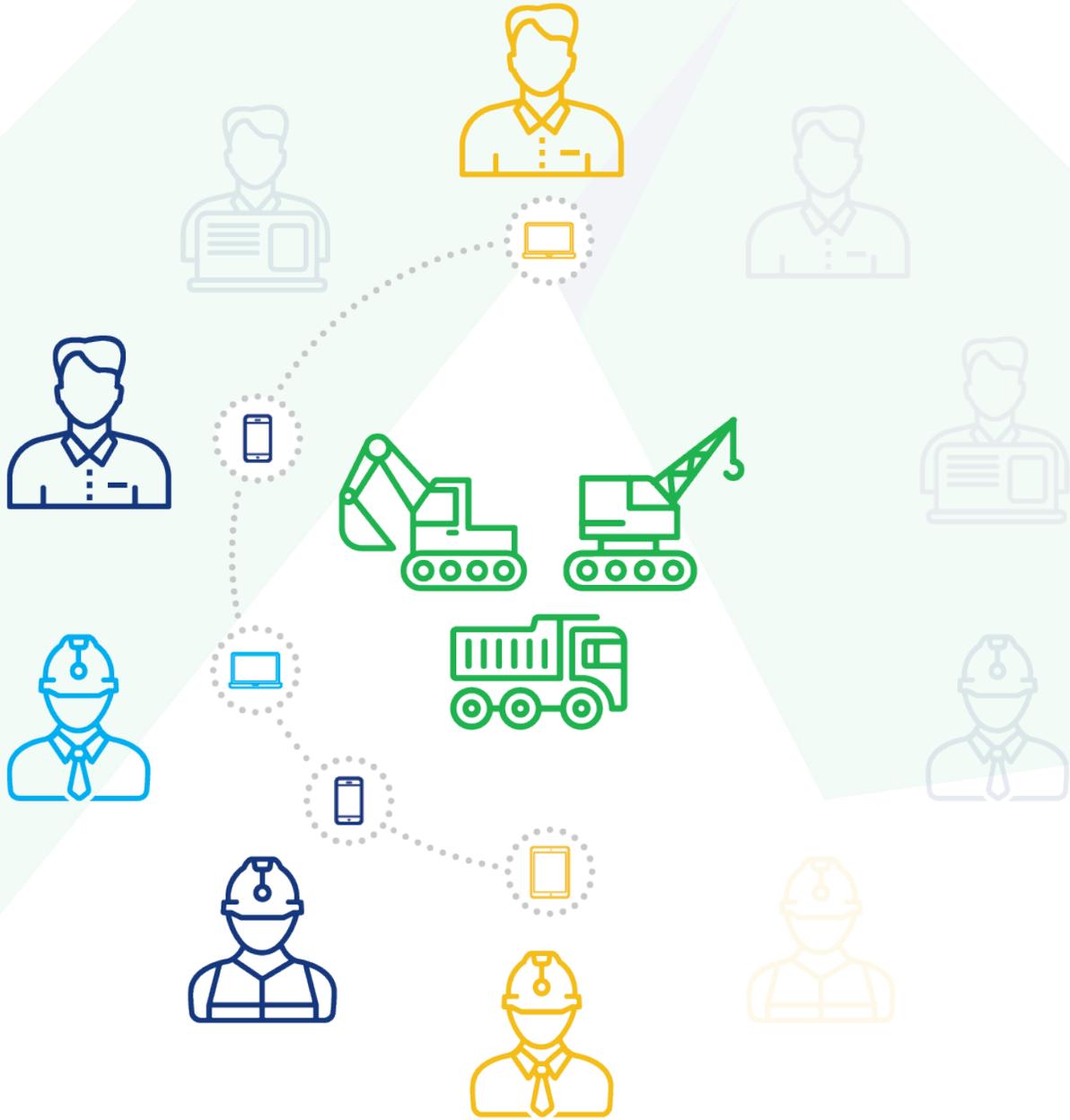
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Ongoing Safety & Compliance



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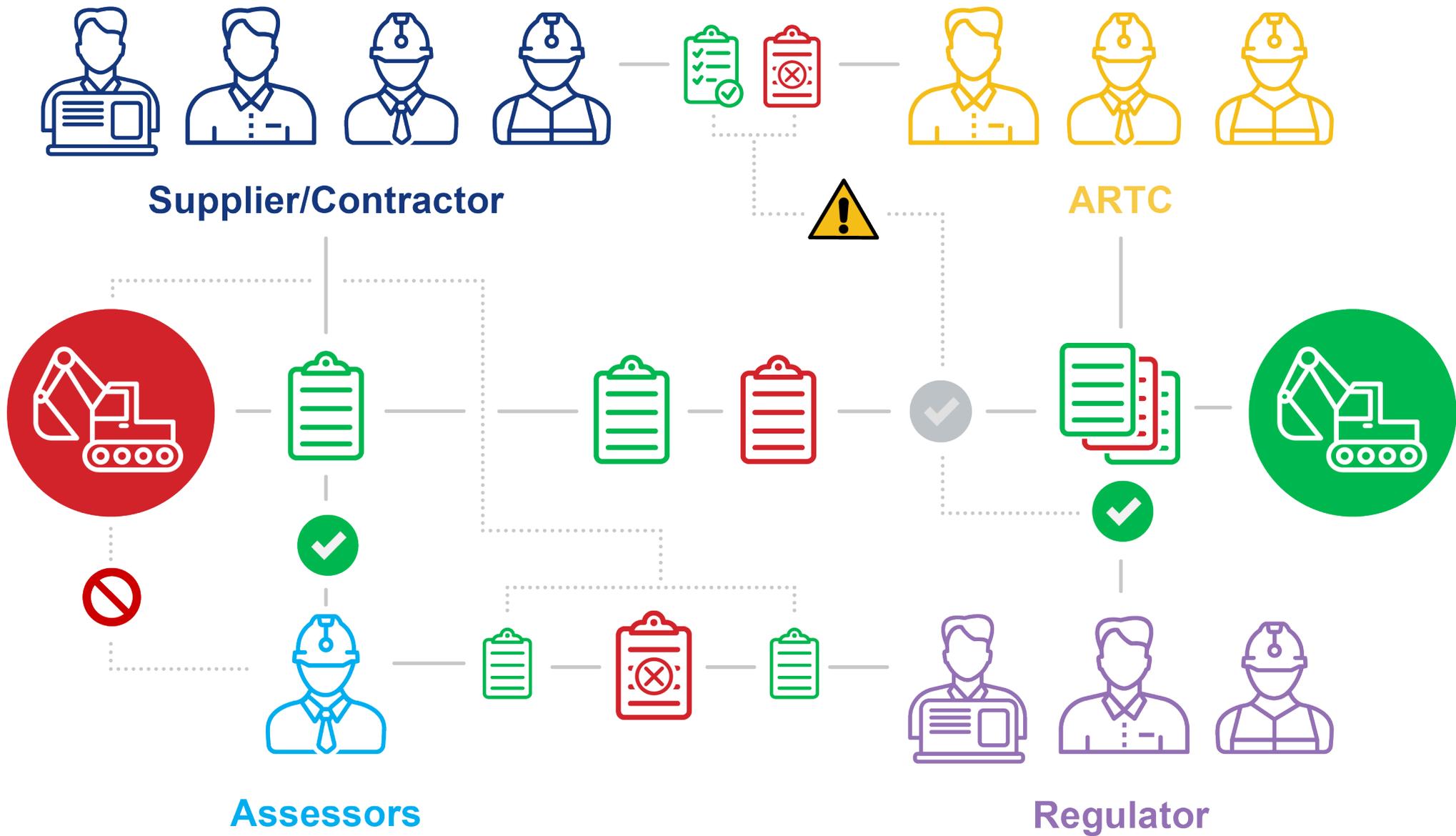
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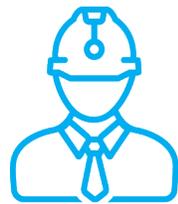
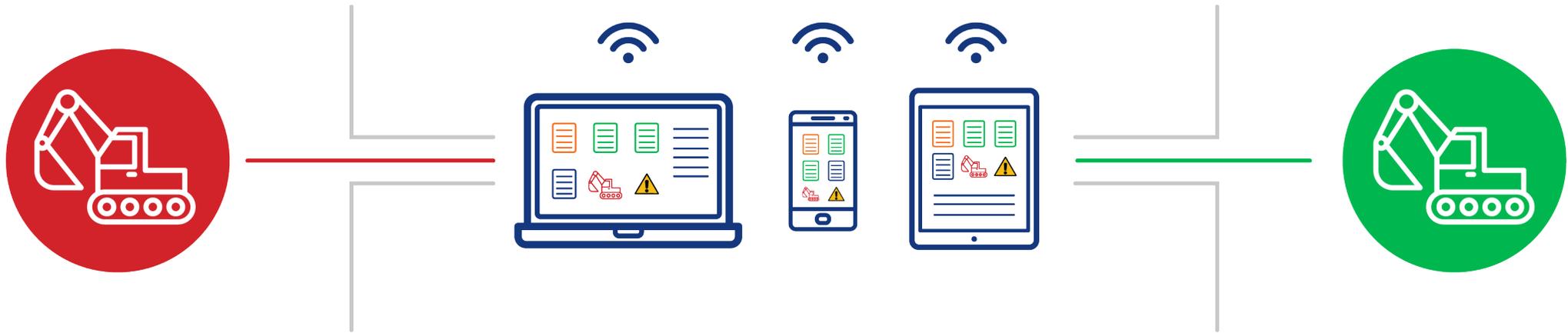




Supplier/Contractor



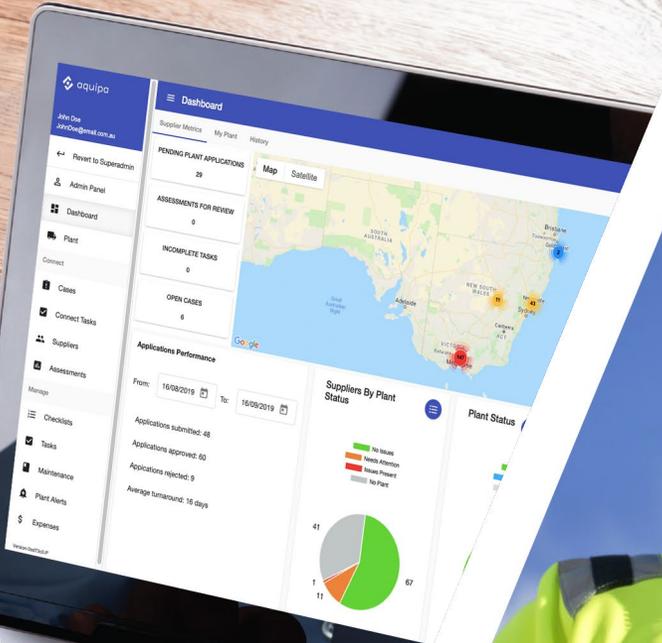
ARTC



Assessors



Regulator



Looking Forward

- Continuous Improvement
- H&S Campaign Delivery
- Predictive Analytics
- Human Factors
- Intelligent Checklists





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