

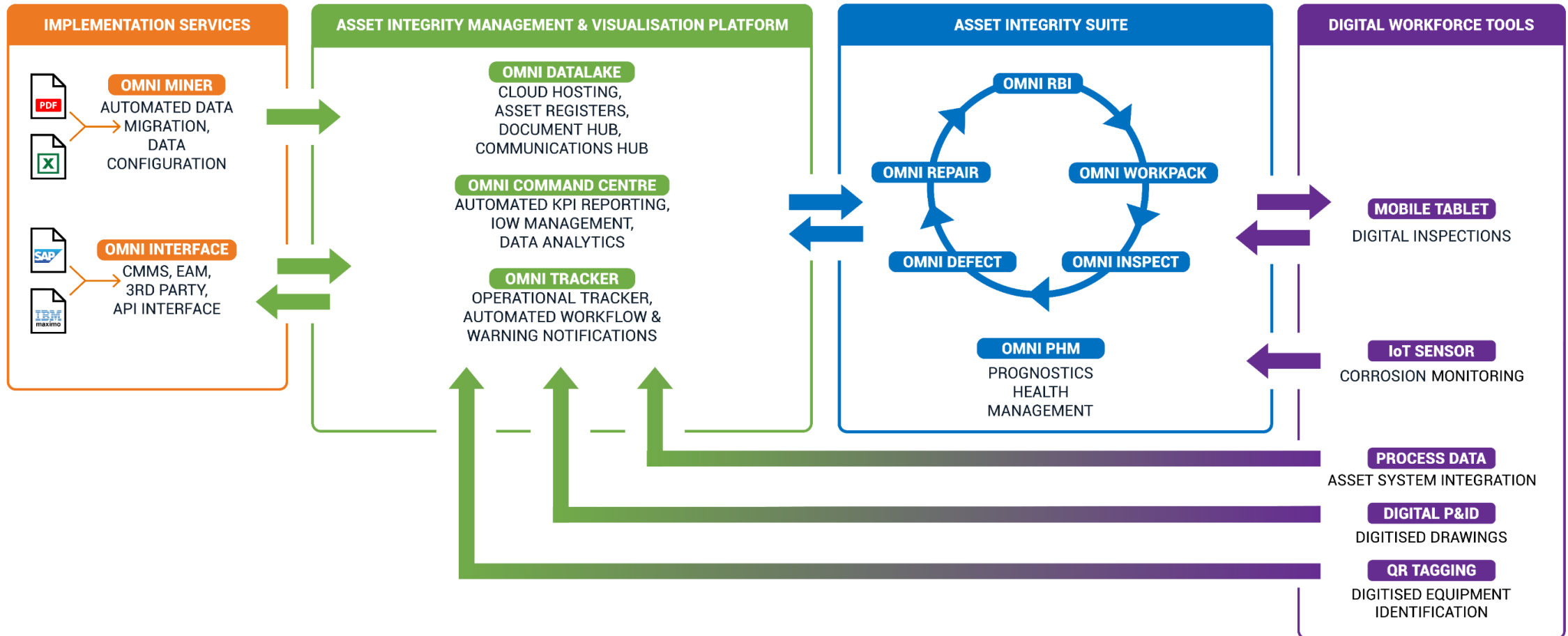


an **ICR**.company

DIGITAL ASSET INTEGRITY MANAGEMENT

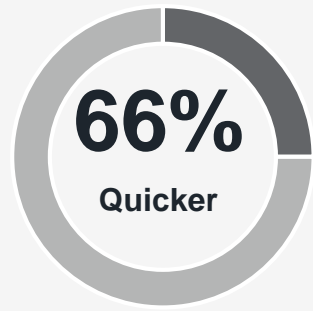
MCF / ICORR PRESENTATION: OMNI INTEGRITY SOFTWARE OVERVIEW

OMNI™ PROCESS FLOW



DIGITAL ASSET INTEGRITY MANAGEMENT

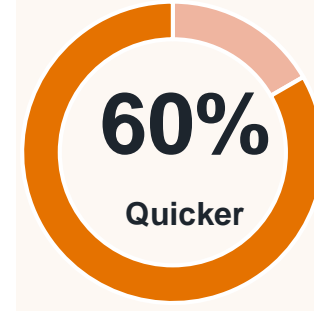
www.omni-integrity.com



66%
Quicker

RBI

- Automates RBI assessments
- Removes spreadsheets (duplication & manual error)



60%
Quicker

WORKPACK

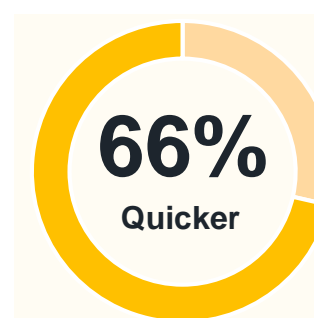
- Automated inspection planning
- Semi-automated workpack builder



85%
Quicker

INSPECTION ASSESSMENT

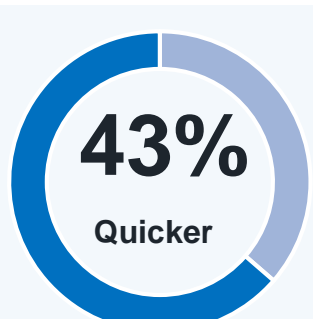
- Inspection reporting via tablet technology
- Instant inspection results available to wider organisation



66%
Quicker

ANOMALY ASSESSMENT


- Automated defect detection
- Semi-automates anomaly assessments (basic & FFS)



43%
Quicker

REPAIR

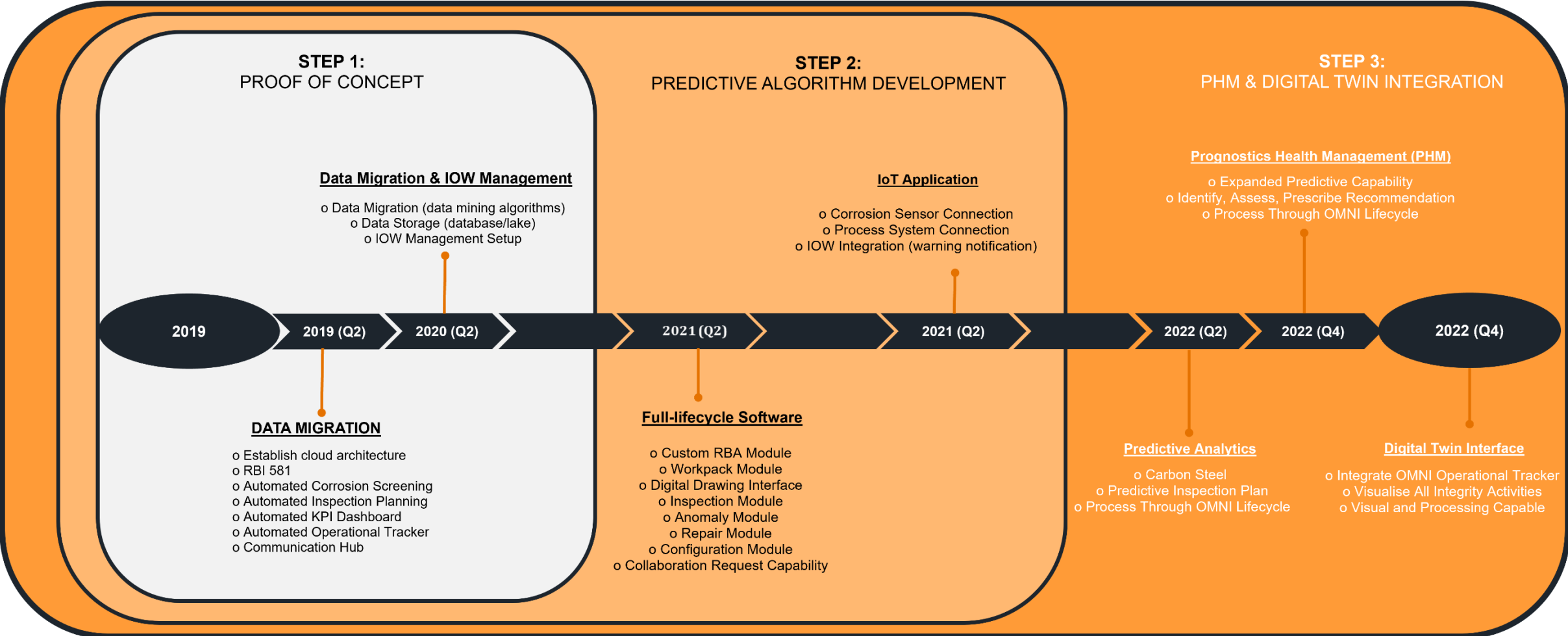
- Digitally integrates anomaly & repair process
- Syncs with CMMS



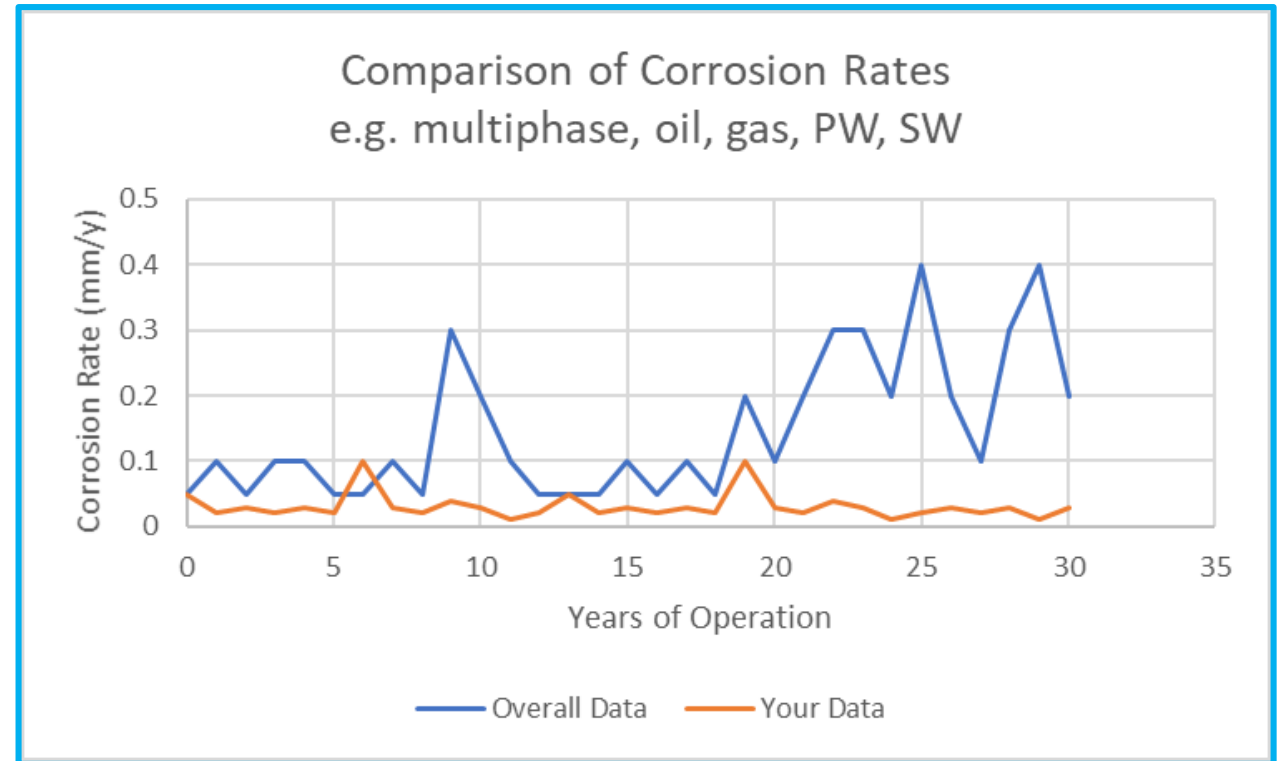
100%
Quicker

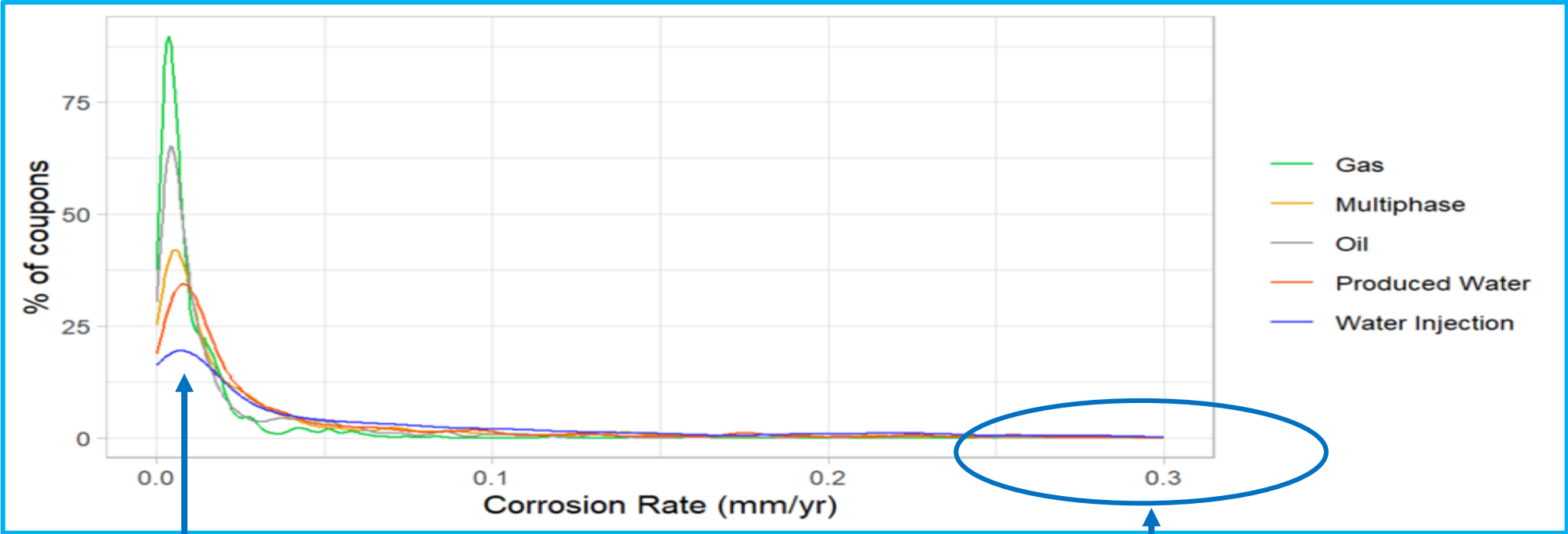
KPI DASHBOARD

- Real time KPI updates (automated tracking system)
- Removes need for physical meetings (digital collaboration)



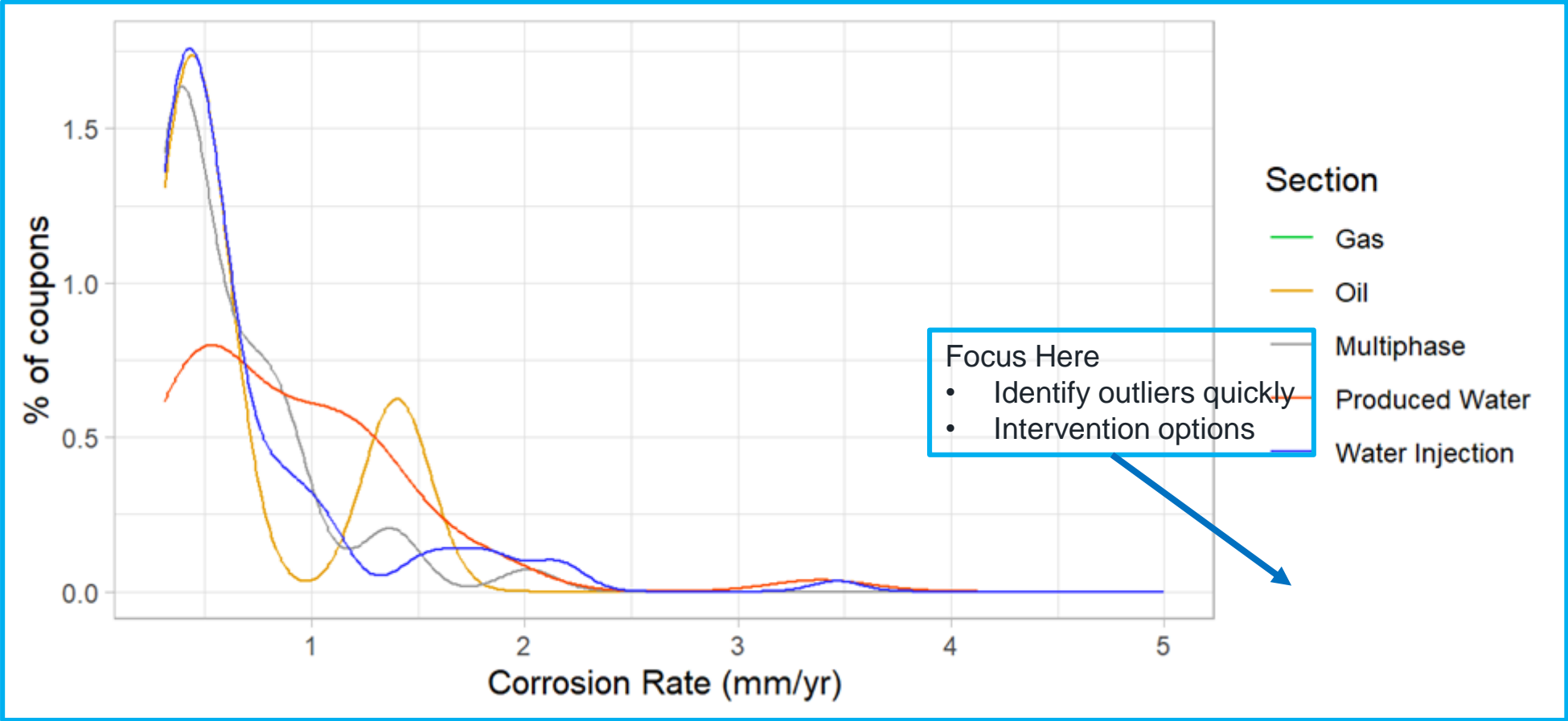
- ICR have been managing corrosion coupon programs since the 1990's
- Database has >6,000 coupon results
- Operator Investment: \$100 millions
- Analysis & prediction
 - Historical trending for assessment of new data
 - Automation opportunities
 - Develop predictive algorithms
 - Artificial intelligence & machine learning
 - Company vs Average (anonymised)
 - Overall and by systems & equipment types





Majority of Data Indicates Good Control (<0.02 mm/y)
- Strong focus on hydrocarbon systems

Focus for Corrosion Engineers



- Having good records of integrity management data is important
 - Allows historical trends to be understood
 - Allows rapid identification of anomalies in new data
- Further information can be extracted by supplementing with other integrity data
 - e.g. process conditions, fluid analysis, inspection and maintenance data
- When data is available to a sophisticated software platform it is possible to:
 - Automatically acquire new data and provide alerts of anomalies to key stakeholders
 - Quickly access historical data when investigating anomalies
 - Apply machine learning and artificial intelligence:
 - Identify trends and make predictions - that may not be found using traditional analysis
 - Feed the data into a risk assessment tool to develop risk profiles for specific corrosion circuits
 - Improved corrosion control, inspection and maintenance plans

- **Call to action 1:** Explore how OMNI can support your integrity management process
- **Call to action 2:** Collaboration to enhance OMNI's IoT capability, by interfacing live process and operational data into IOW's.
- **Call to action 3:** Collaboration to expand current data analytics capabilities into predictive algorithms, by providing necessary inspection data and verification.

For more information or a demo on our software, please contact William McLean

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