



2026 MBE & QIF Summit

QIF Beyond FAI

Connecting Model-Based Data to DFMEA, Control Plans, and Production Quality Processes

Ron Trout | Vice President of Net-Inspect

Pivotal moment for Aerospace & Defense

✓ **Efficiency**

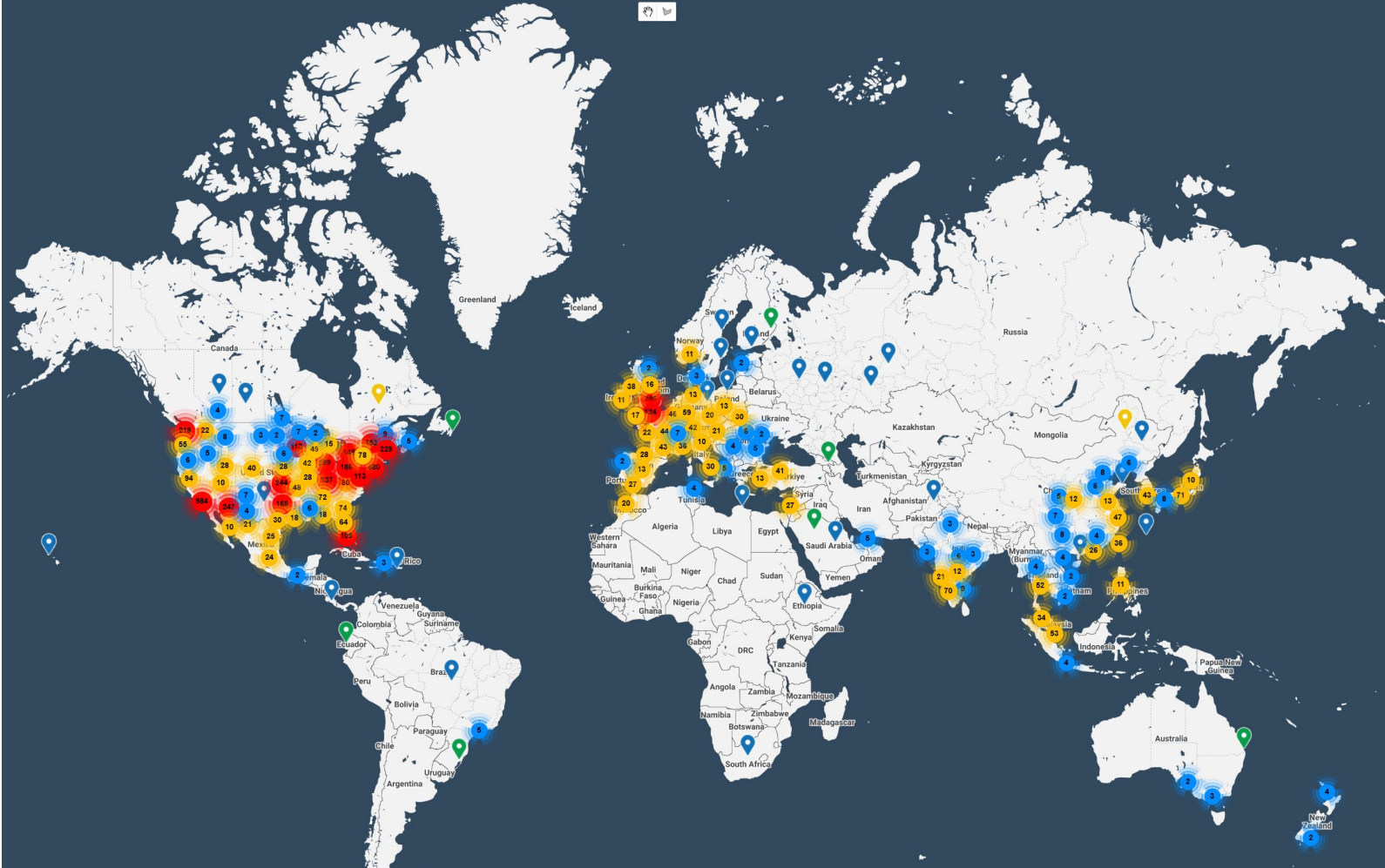
Faster, intuitive, & seamless integration

✓ **Technology**

Secure cloud-based
SaaS, MBD/QIF, AI & Machine Learning

✓ **Opportunity**

Realtime visibility across diverse systems and the supply chain



Net-Inspect operates across the globe, giving us a rare cross-industry lens on trends and direction.

59 Countries | 10,000 Companies | 300,000+ users

Industry Observations

Response to Rate Growth



Zero-defect And First-time Quality Initiatives

Industry-wide push toward real-time prevention over periodic detection



Workforce Transition & Tribal Knowledge Loss

Experienced workforce retiring, digital natives expecting modern tools



Strengthening APQP/PPAP Discipline

Structured approaches to production readiness gaining traction



Supply Chain Integration

Integrating and linking customer data through the supply chain



Rapid Technology Expectations

New technologies are enabling improvements

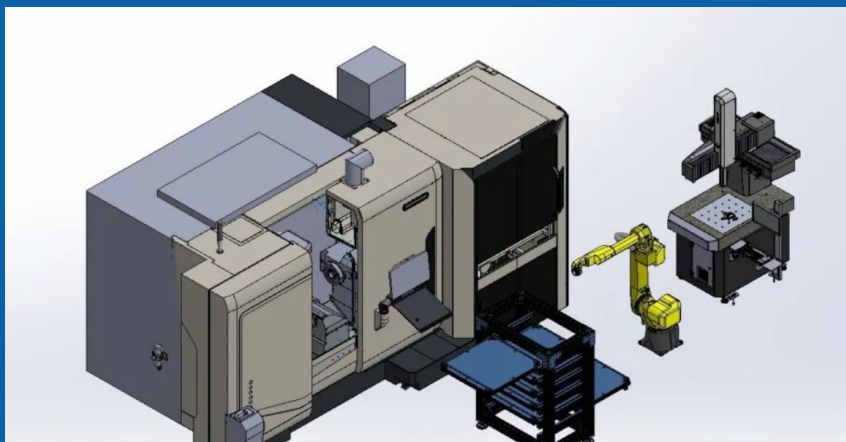


Rising Need For Automation

Both equipment and workflow automation becoming essential

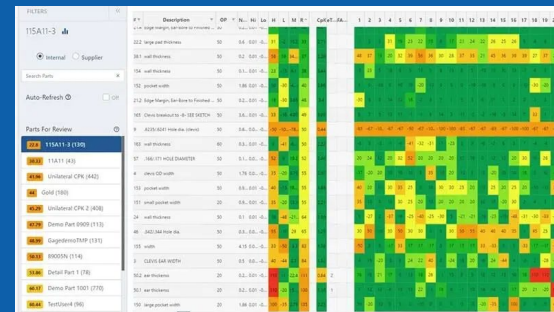
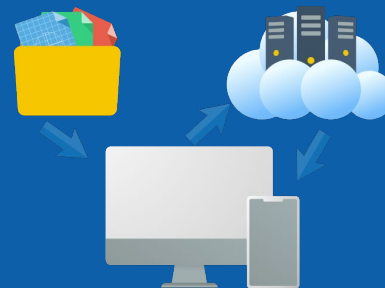
Automation is Becoming Essential

You can't automate chaos – process control and stability must come first. **Automation amplifies whatever process you have.**



Equipment Automation

- CNC machines and robotics
- Automated inspection equipment
- Material handling systems
- Coordinated manufacturing cells



Workflow Automation

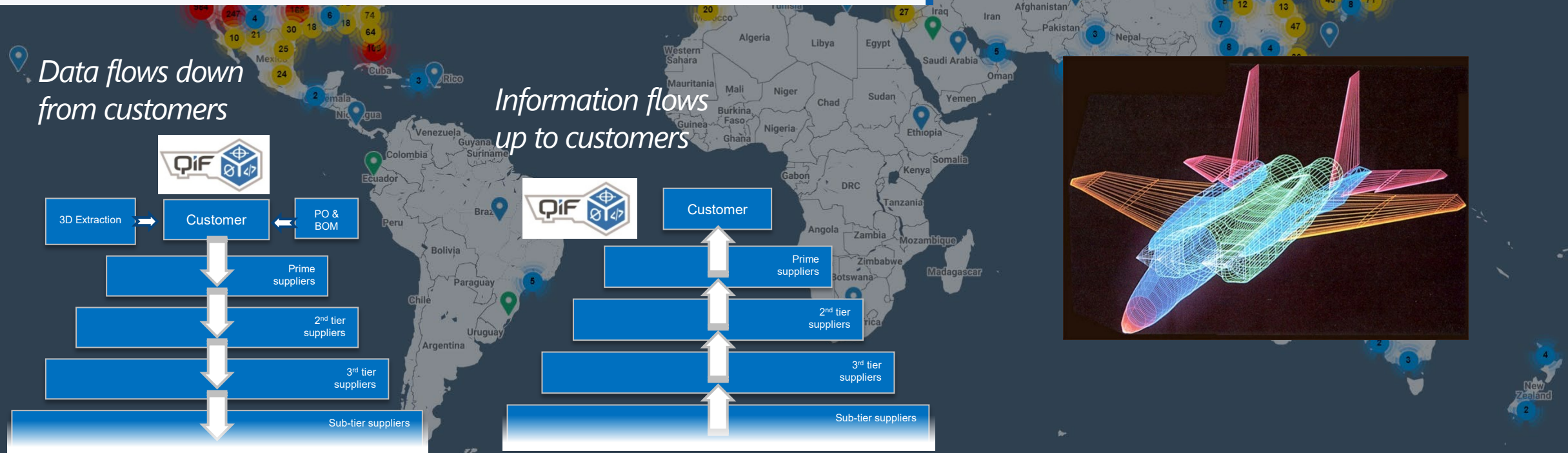
- Automatic validation and alerts
- Automated data extraction/population
- Real-time monitoring and feedback
- Dynamic, intelligent-driven workflows



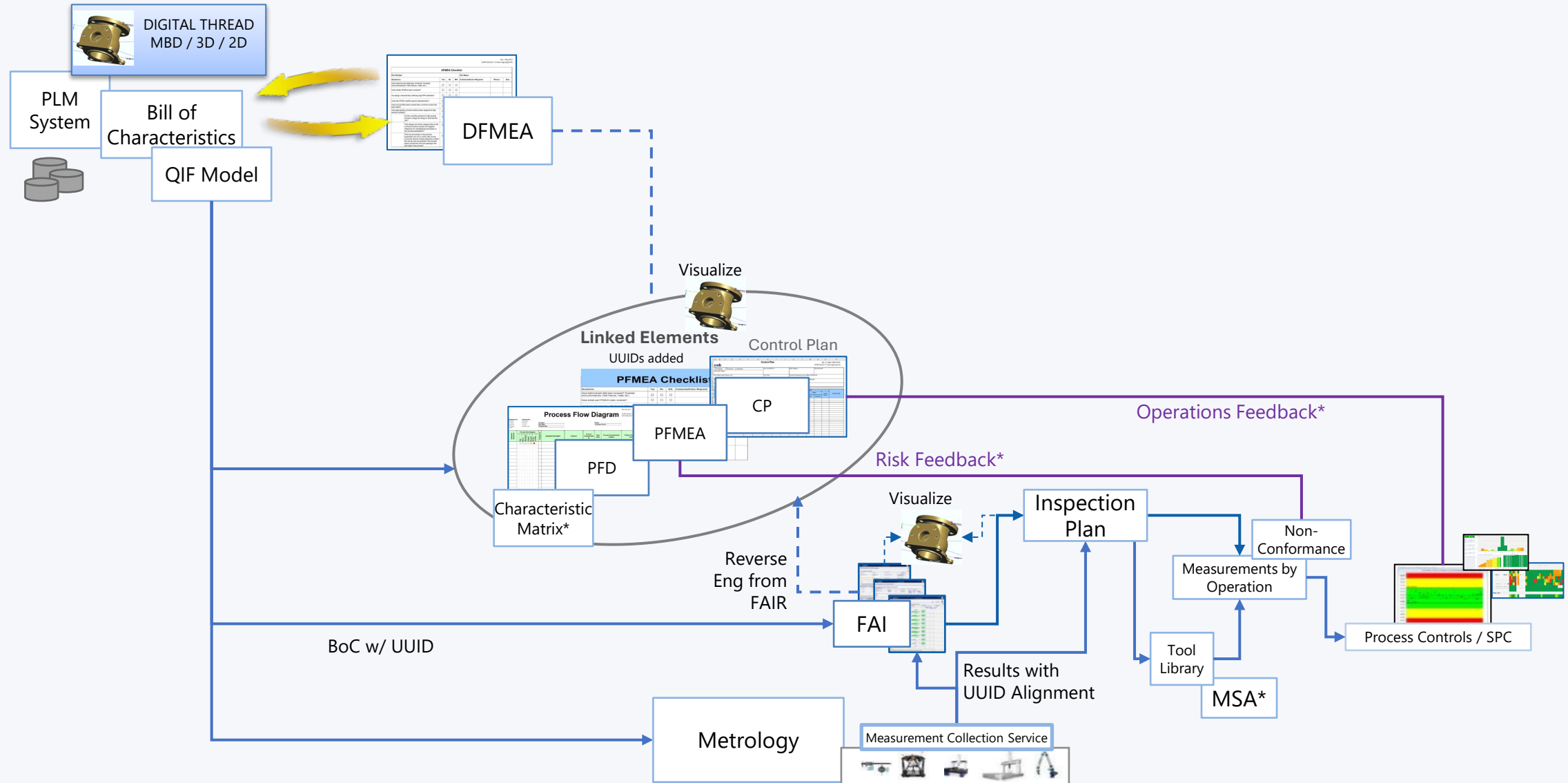
The **digital thread** is the traceable, connected chain of data that ties together product definition, manufacturing process, quality data and lifecycle events

The technical challenge of digital thread is mostly solved by MBD/QIF

The real barrier is securely sharing data across the supply chain and across multiple software solutions !

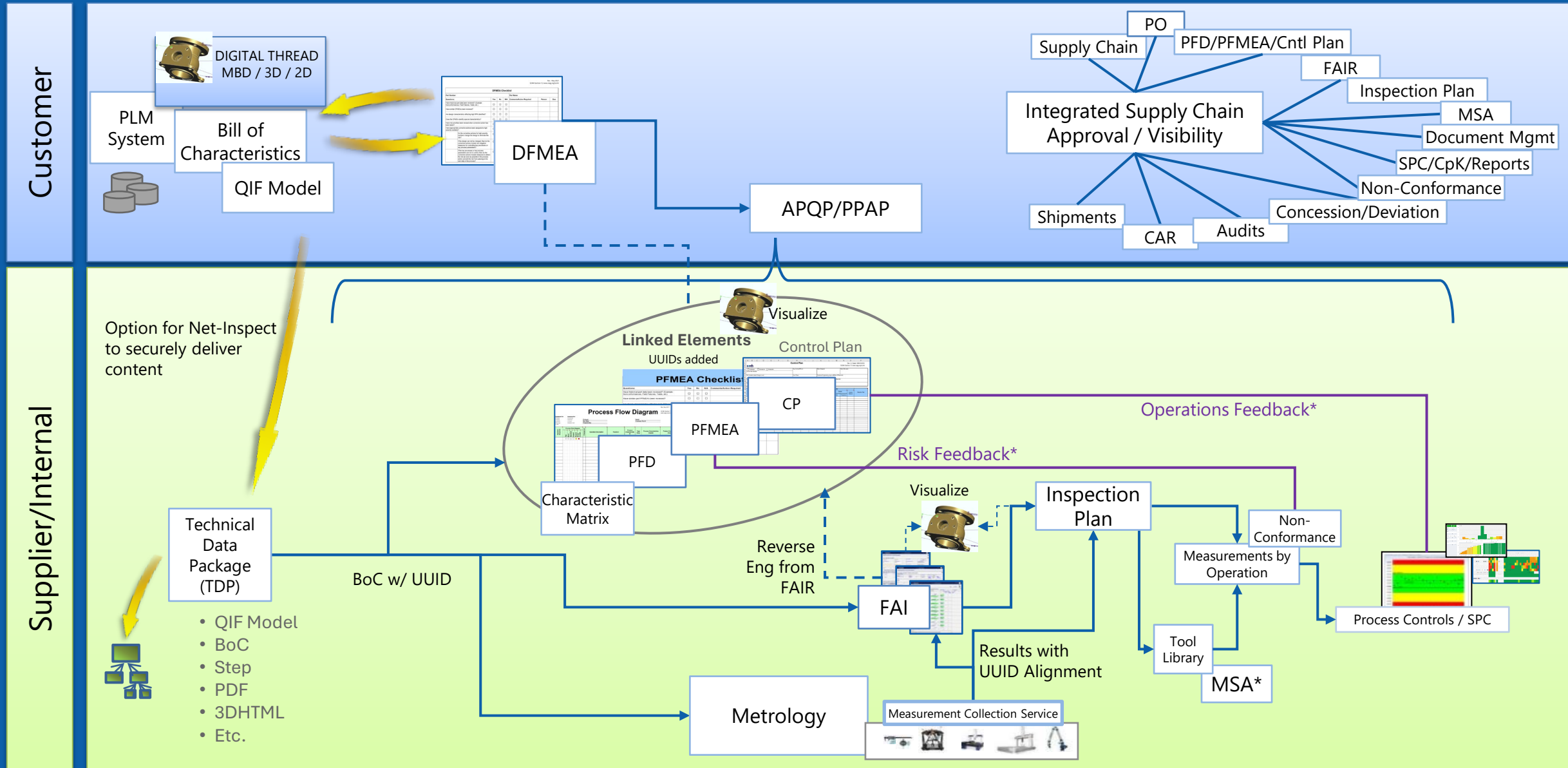


Model & Drawing Connections to Quality Deliverables



Across the Supply Chain

Model & Drawing Connections to Quality Deliverables



Expanding the Connected Ecosystem

The Sideways Opportunity

Work Rewarded Based on Live Capability Data

Supplier decision driven by real quality performance linked to MBD

Opens a world of opportunities that our customers are asking us to pursue



Supplier Performance

Compare quality across suppliers
building the same parts with live data



AI-Driven Insights

Evaluate PFMEA values based on actual
measurements across the supply chain



Competitive Advantage

Suppliers with better capability data earn
more work opportunities

MBD/QIF *unlocks* the data. Net-Inspect *connects* it.

THE CHALLENGE

Disconnected Supplier Data

Siloed data enforces reactive decision making and analysis

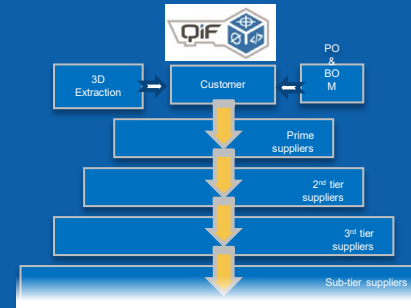
Workforce Shifts

New workforce has different expectations

Zero-Defect Expectations

First-time quality is non-negotiable, and poor performance is lasting

THE SOLUTION



Integrated Supply Chain

Connected across every tier

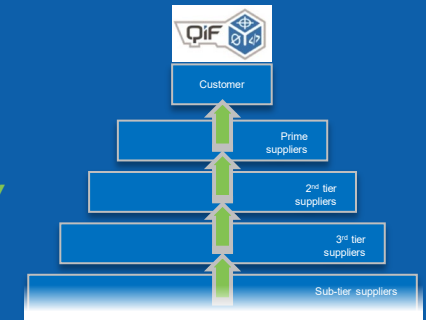
MBD/QIF to Quality Deliverables

Connected digital thread from model to measurement

Linked Quality Data

CARs, audits, deviations linked to manufacturer

THE OPPORTUNITY



Actionable Information

AI-assisted single source of truth data that is immediately actionable and traceable

Proactive Decision Making

Actual quality information captured for every part at every level

Grow into Live Capability Analysis

Work rewarded based on real performance

The result is a supply chain that's capable, efficient, and integrated... by design.

Thank You

Ron Trout

ron.trout@net-inspect.com

net-inspect

The global leader in secure, quality management
software & supply chain visibility.

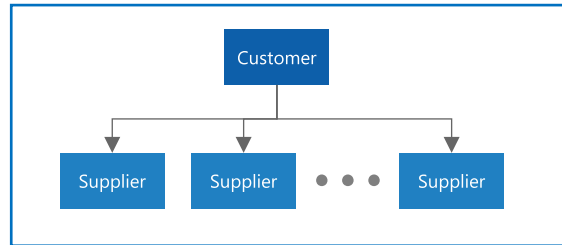
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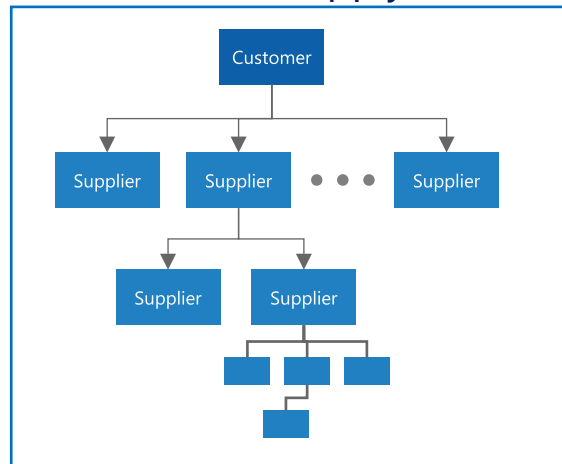
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Supply Chain Architecture

How many customers view their supply chain



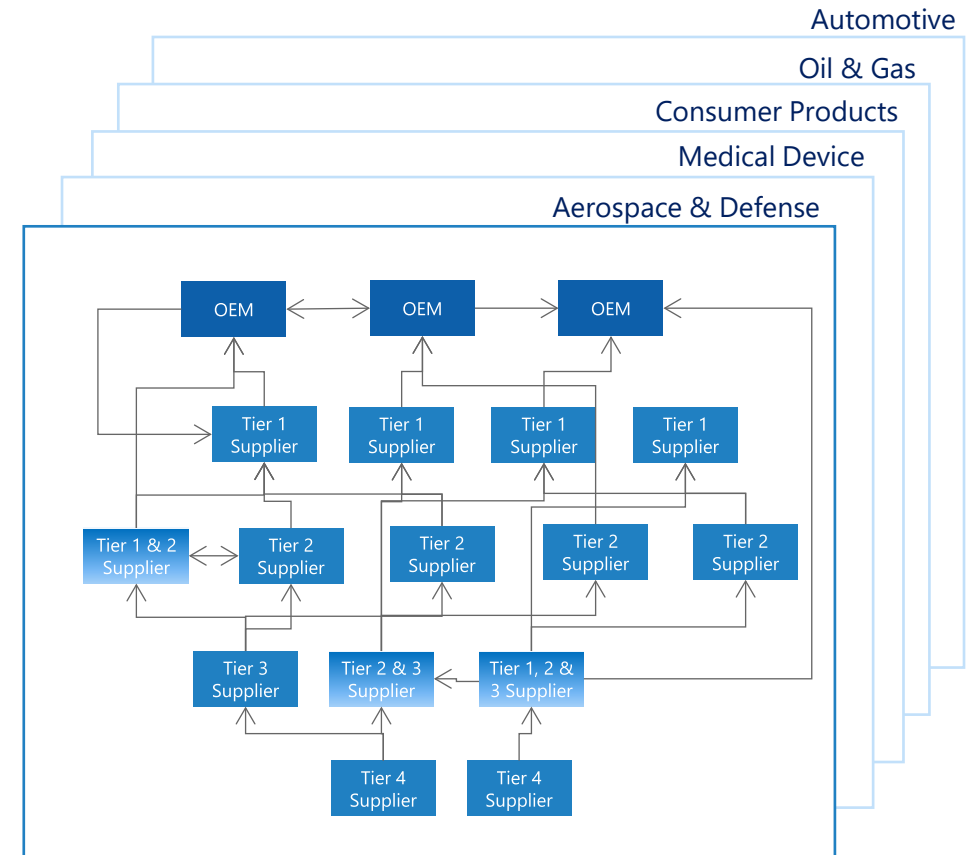
How *some* customers view their supply chain



How Net-Inspect views supply chain Multi-tenant Services

Multi-Tenant, Supply Chain Services have a very complex system architecture and customer relationship challenge

- Suppliers provide data up to customers
- Suppliers support multiple tiers
- Customers can also be suppliers
- Customers are suppliers to other customers
- Suppliers change – a lot!
- Parts are dual sourced, changed source
- Suppliers heavily engaged in mergers and acquisitions
- Some of our customers' suppliers are customers to us



Net-Inspect meets these challenges !!