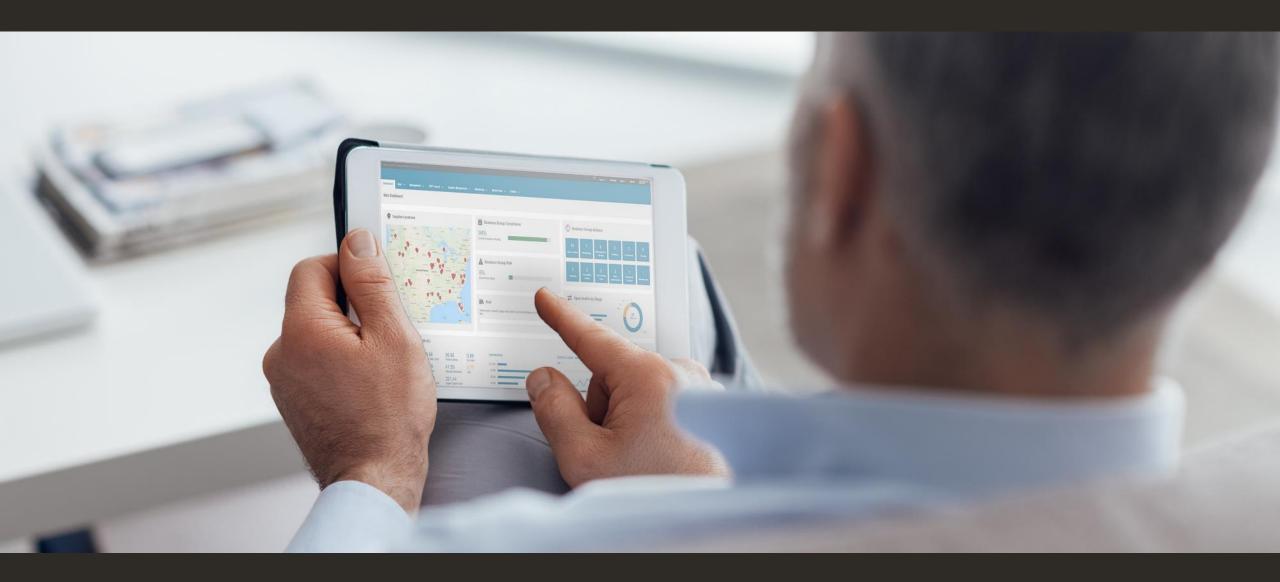
Risk Assessing Your Food Supply Chain





About Safefood 360°



Software Platform

Comprehensive platform covering all aspects of food industry compliance:

SaaS Solution

Web Access

30+ Modules

Compliance Software

Domain Expertise

World class knowledge of food safety and compliance provided by a team of experienced food industry experts:

IT developers led by food safety experts

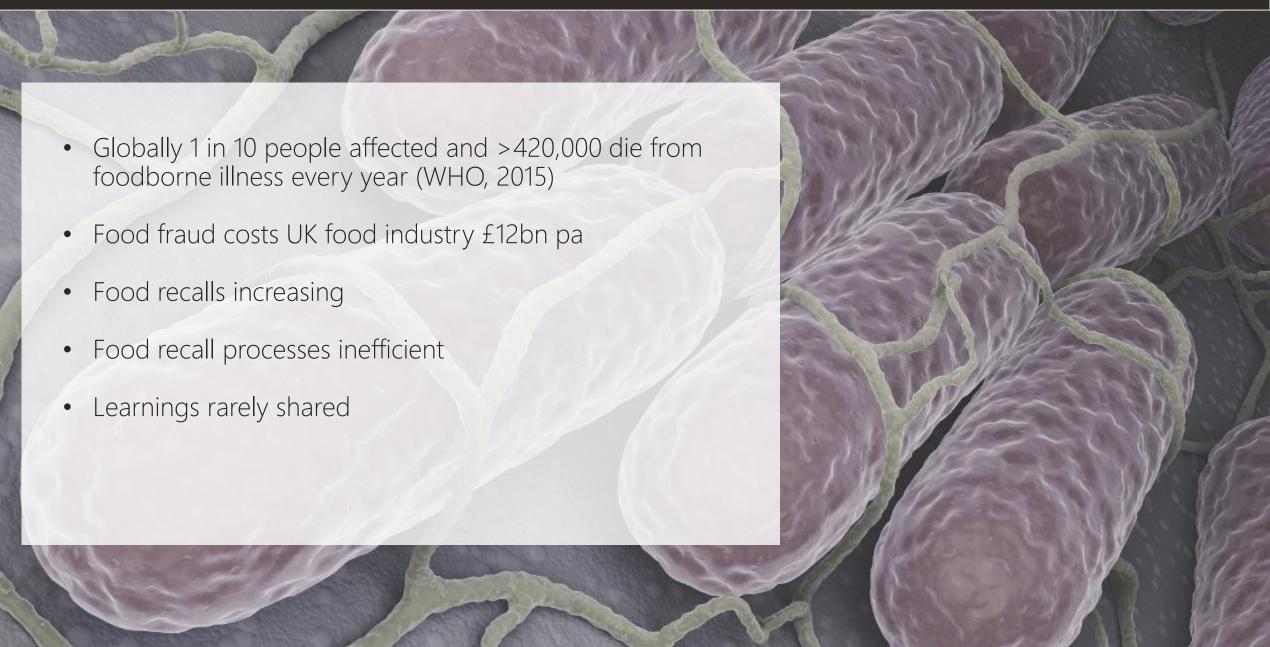
Experienced team

Food safety product – not an IT project





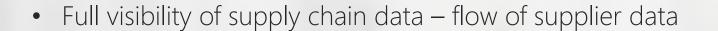






- Increasing dependence on a global supply chain to source raw materials/partially processed product
- Increasing food trade volume/pace
- Complexity of trade borders/barriers
- Varying country food safety standards and capability
- Food chain operators >95% SME





- Cooperation across interested parties and stakeholders
- Secure permissioned systems
- Interoperable, usable, and affordable technology







GFSI Standards

"The company shall undertake a documented risk assessment of each raw material..." BRC 17 3.5



FDA - FSMA Rules

Supplier Verification - risk assess individual suppliers, supplier facilities and products



Retailers

"All suppliers to the site must be assessed to determine the overall potential risk associated with their materials on an ongoing basis"TFMSv6Sec 3



Scope of Risk Assessments Required On Your Supply Chain



Suppliers

Supplier entity with title of ownership

Facilities

Individual facilities accounting for local objective risks

Individual raw materials, ingredients, packaging

Raw Materials

Agents / Brokers

Assessed as a supplier

Products

Traded products where title of ownerships is assumed - FSMA

3rd Party

Must be within the scope of assessment and addressed as a facility



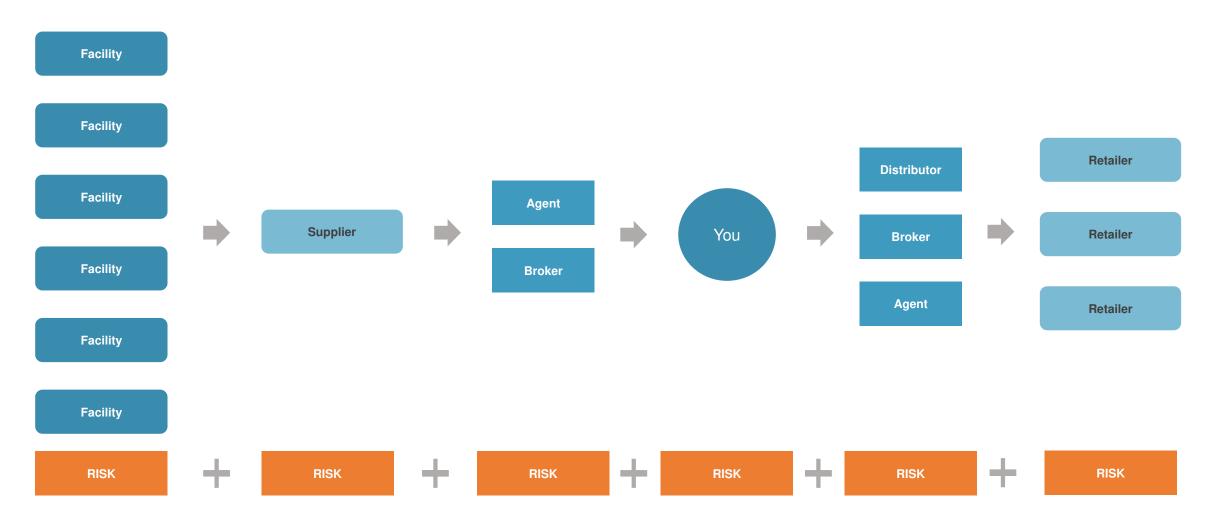
- 1. Nature of supplier's operation and compliance with requirements
- 2. Intrinsic hazard to the material supplied

Companies should identify suppliers that drive the greatest level of risk. The lack of visibility through the overall supply chain and amount of information required are the main challenges that a company needs to face.

SKS

Typical Food Supply Chain





Potential risk added as complexity of chain increases



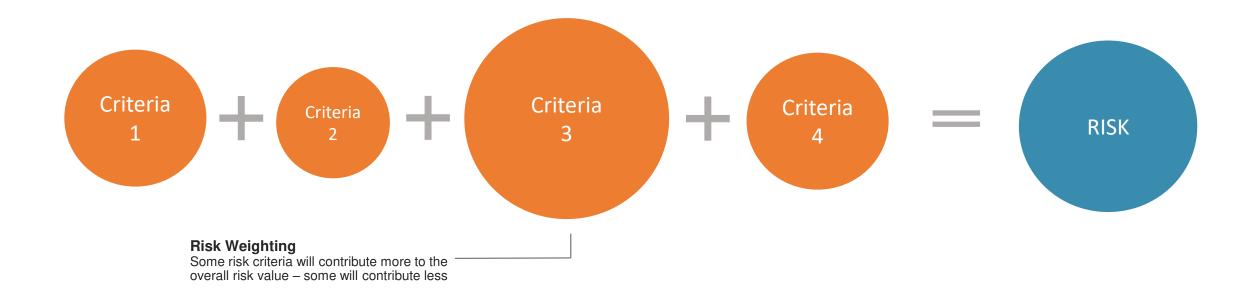
More appropriate for HACCP based assessments focusing on a specific hazard at a specific process step or stage.



Risk Assessment Matrix					
Probability					
		1	2	3	
Severity	1	1	2	3	
	2	2	4	6	
	3	3	6	9	



More appropriate for Supply Chain risk assessments looking at various risk factors contributing to supplier or material risk.



Type of Sample Criteria Being Used by Companies

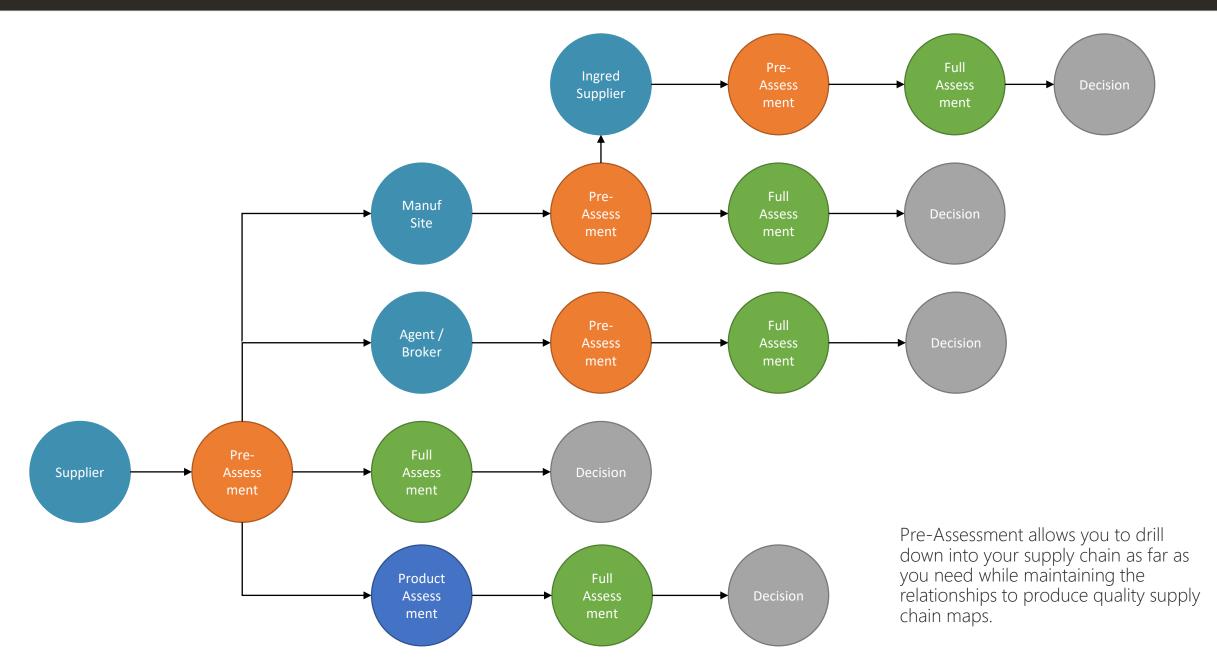


GFSI / Other Certification Has the supplier / facility achieved some 3rd party certification standard? Does the company issue certificates of analysis or conformance? COA / COC This criteria involves referring to public databases on the history of food safety from Country of Origin particular countries or regions including likelihood for food fraud Recall / Alerts in Last 24 Measuring the number of recalls, alerts, notifications, withdrawals, sanctions over a recent Months period may indicate the level of risk with a particular supplier Threat / Food Defense A measure of the potential level of threat in the supply chain – food fraud / adulteration etc Integrating exposure into the RA. The greater the volume the greater the exposure should an Volume of Supply issue arise

Assign risk values to criteria

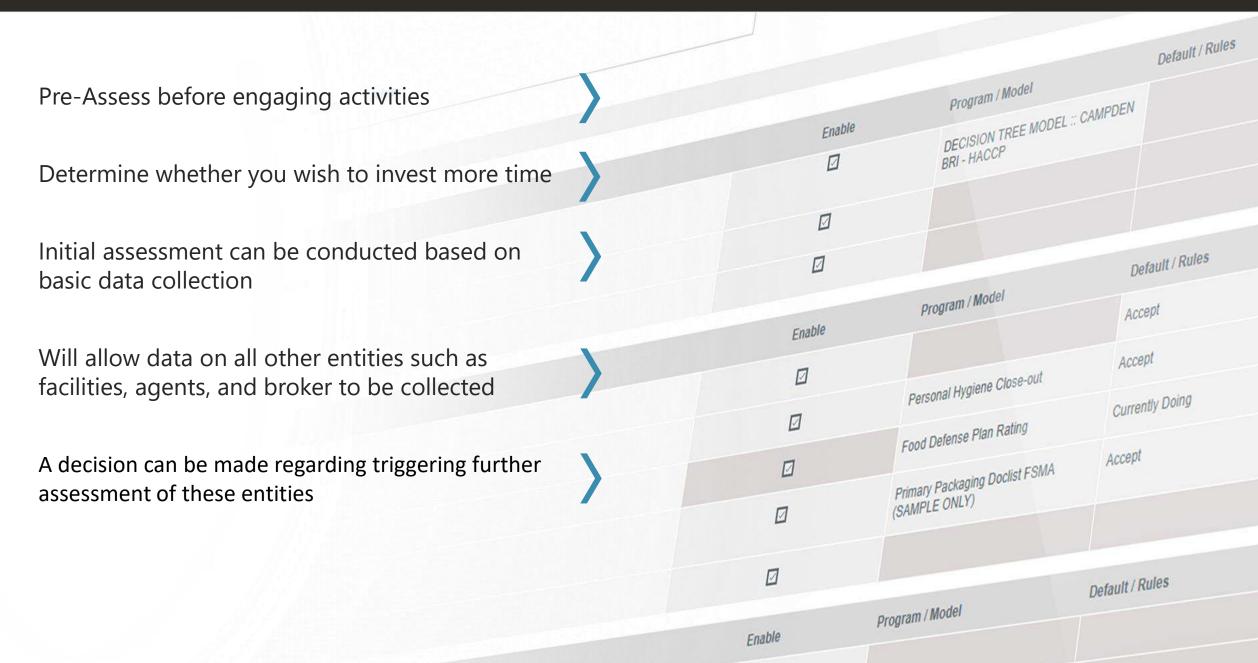
Weight criteria





Pre-Assessment Allows:

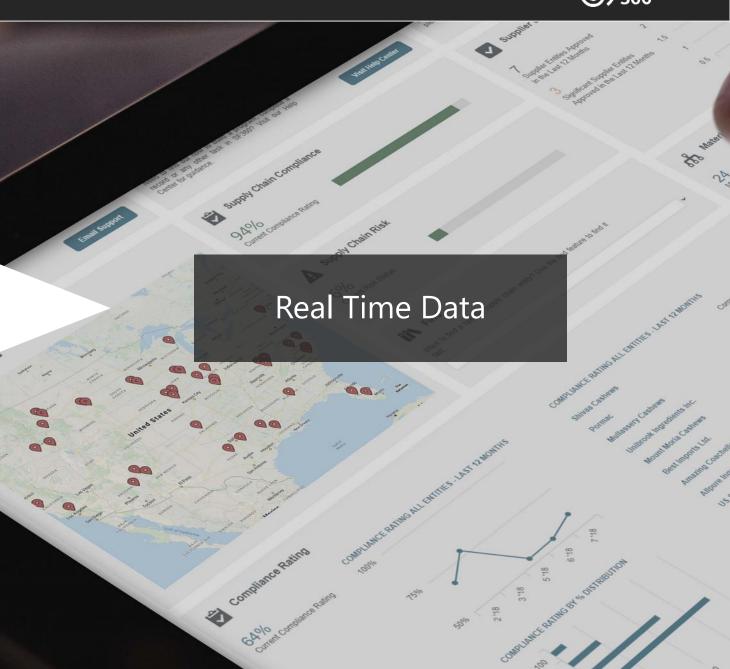




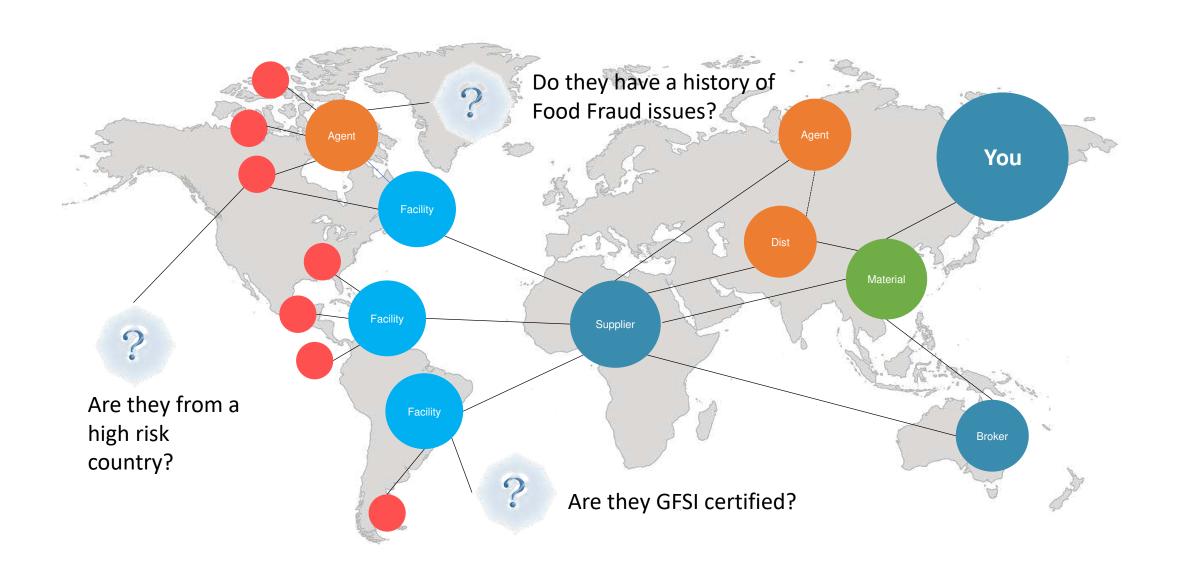


You need to know WHO at various Tiers in your supply chain [MAPPING]

You need to know WHAT for individual supply chain entities and any given moment in time [INTELLIGENCE]









- Distributed ledger technology (Blockchain)
- Secure cloud technologies and platforms
- Smart contracts (payment on evidence of compliance)
- Internet of Things
- Big data analysis/modelling
- Smart manufacturing
- Tagging and tracking, holographic labels, smart packaging
- Sensors –temperature
- Whole genome sequencing and DNA speciation / Stable isotope











Thank you!

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