

Cyber Preparedness in the Food and Beverage Sector

February 2024



Industry expertise

Leveraging Food & Drink Industry Expertise to Deliver Distinctive Value

At Aon, we believe it is important to understand the dynamics of the industry in which you operate.

We have a global presence and regional hubs to offer **best-in-class insurance broking and risk financing** solutions for your sector.

We achieve this through industry insight, thought leadership, client conversations, and benchmarking. This helps us enhance our risk modeling capabilities and design the most appropriate solutions.



Food, Agribusiness & Beverage Credentials

More than **1,500** global FAB clients

100+ captives under

management



A Globally aligned team

Greater than

90%

retention rate (most clients choose to stay with Aon as their preferred risk, retirement and health advisor) We advise

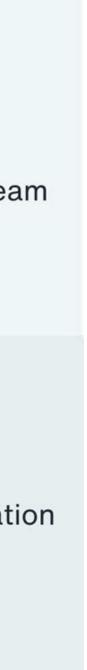
9 of the 10

largest food and beverage brands in the world



Strategy & Innovation Council





Question 1 Cyber defence



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There is Nothing Linear About Cyber Security.

This is the guiding principle of the Cyber Loop, a risk management model that unites stakeholders to make better decisions around cyber risk.

Aon's Cyber Loop model acknowledges that each organization will be at a different place in its cyber risk journey: assess, mitigate, transfer, or recover.

In a Loop model, businesses become informed participants in managing risk, engaged in continuous review, improvement, and investment in security – guided by data.

The Result. Sustained Cyber Resilience.







Safeguard your balance sheet.

Question 2 Cyber threats



Examples of Cyber Attacks Food and Beverage Sector



Food Manufacturer suffered a data breach which impacted current and legacy employees sensitive records followed by network disruption.

Meatpacker Revil ransomware gang impacted servers supporting OT (operational technology) systems in the U.S., Australia, and Canada causing disruptions to the supply chain.

Beverage Company targetted by ransomware group with a request of \$15M payment following malware deployment impacting employees Active Directory and sensitive information (e.g. contracts, IDs, accounting and personal data).

Food Shop Franchise faced trial after customers had severe allergic reactions to food products which were incorrectly labelled



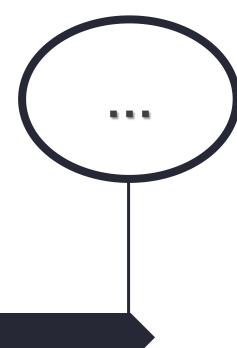
network.





Food Distributor suffered from a data breach which resulted in two planned class action claims from customers and employees. Treat actor was reported to have been within their network 3 months prior to the event taking place.

Food Provider were impacted by a malware that damaged company legacy servers and ¼ of their endpoint devices. Cost of \$10.5M incurred in direct costs, of which \$4.8M related to continuing business usual operations.



Food Manufacturer a hefty amount of ransom was demanded by Conti Ransomware criminal group exposing the business financial documents and employee records. The attack resulted in supply chain disruptions.

Several organisations alleged victims of the ransomware gang Hive, causing some businesses to temporarily lose access to their IT

























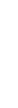






























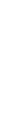








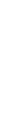




































































Cyber Risk Overview Food and Beverage Sector Trends

2023 top 5 risks in Food and Beverages (including Agribusiness):

#1 Commodity Price Risk or Scarcity of Materials **#2** Supply Chain or Distribution Failure **#3** Business Interruption

Cyber Attack or Data Breach #4

#5 Climate Change

Since 2020, the number of insider cyber threats, both inadvertent and malicious, has risen by **44%**.

EXPOSURE

Five domains demonstrated the most significant risk profile improvements, and from this inferred budget increases: **Data** Security, Application Security, Remote Work, Access Control, and Endpoint & Systems Security.

Food and Beverage sector clients have

shown score changes of +0.2 points in Third Party Domain.



An average of **\$184,548** is spent to contain insider threats, with business interruption costs (23% of total) typically being the greatest expense.

For most organisations, the best way to address cyber risk is **understanding what** technology assets are crucial to the **business** from a revenue generation and/or risk aggregation stance.

Question 3 IT Security investment priorities



8

Case Study 1: Supermarket Chain Assessing & Transferring Cyber Risk

The Challenge

Insurance Manager instructed by top management to review cyber insurance to determine the company appropriate and proportionate insurance limits & coverage and assist in building a cyber underwriting submission.

Solution

Aon and the client to determine the 5 'severe yet plausible' cyber risk scenarios to be quantified and analysed against existing insurance coverage.



- make data informed decisions at renewal.
- enabled the client to make an informed decision regarding its risk transfer strategy.



• Aon's analysis indicated that estimated maximum losses (EMLs) were greater than original policy limits, giving the client the necessary information to

• Aon's Cyber Risk (AGRC) and Broking teams provided an integrated approach, assessing potential losses through a Cyber Impact Analysis which



Case Study 2: Food Producer Assessing & Mitigating Cyber Risk

The Challenge

A multinational processed food producer with manufacturing locations across Europe was concerned about how their technical and executive teams would be able to respond to a cybersecurity response.

Solution

Our Cyber Risk Advisory Team managed the construction of both a technical and executive simulation exercise, designed to get both teams to discuss a carefully bespoke scenario. The 5-hour* exercise allowed the teams to fully understand their incident response process. This exercise supported us in identifying key risks to the organisation.



- The client said that the exercises were an 'eye-opening experience' that showed them the importance of conducting regular cyber simulations.



• Recommendations helped the client to identify and execute security improvements to reduce their risk exposure and improve their cyber resilience.



Case Study 3: Food & Beverage Producer Assessing Cyber Risk & Building a Roadmap

The Challenge

A multinational food and drink producer with manufacturing locations across the world was concerned about the IT dependency of their operations in the event of a cyber incident and its impact on the insurance eligibility.

Solution

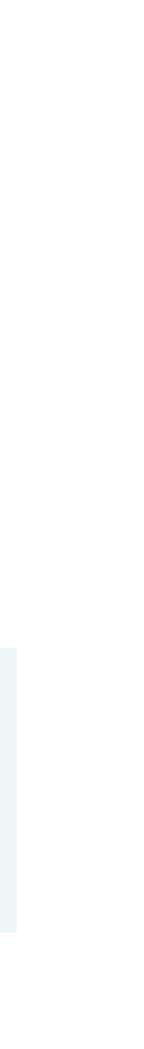
Our Cyber Risk Advisory Team managed the construction of a robust strategy to identify key risk areas using CyQu to effectively and efficiently collect data needed to build a security roadmap to improve cyber posture and meet underwriting requirements.



- The security roadmap guided the client to understand their cyber risk and security posture.
- underwriting submission.



• Recommendations helped the client to identify and execute security improvements required to reduce their risk exposure and become ready for the



Question 4 Cyber risk maturity



CyQu Freemium We are inviting you...

Aon are currently offering a free 'CyQu' Cyber Risk Assessment to FDF members.

- The evaluation is based on **9 risk security domains** and **35** control areas.
- Provides an instant CyQu Score and snapshot of an organisation's cyber maturity.
- A tailored readout session with a Cyber Specialist will be provided after submitting.
- The CyQu answers can also form part of future insurance broking presentation.



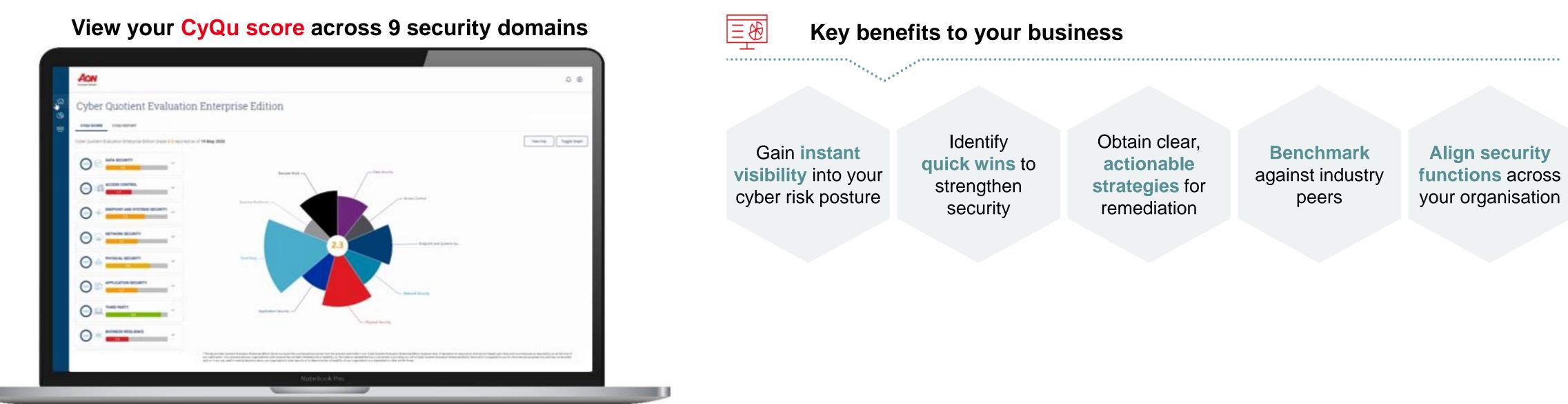




CyQu Freemium Self-Assessment

CyQu is an award winning online cyber risk self-assessment enabling organisations to take an important step in strengthening their cyber risk posture.

In about 90 minutes or less, CyQu will provide you with a cyber risk maturity score (CyQu Score) giving you an immediate snapshot of your cyber maturity and insight into the areas posing the greatest risk.









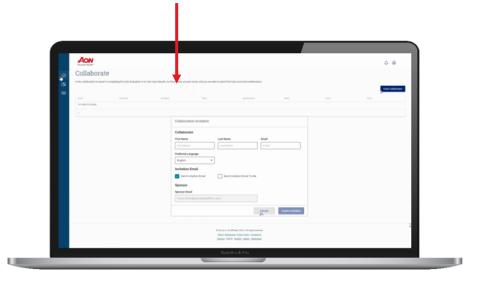
CyQu Freemium How it Works

An IT representative and appropriate colleagues to complete a concise online self-assessment, across nine security domains, broken down into sub-categories or "critical controls".



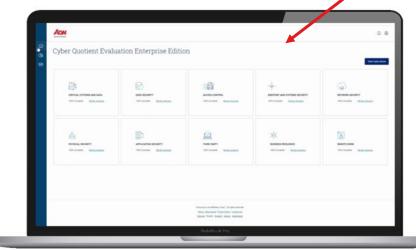
Step 1: Cross collaboration feature

Quickly share the CyQu assessment with colleagues



Step 2: Complete a concise online self-assessment

Concise question set across 9 security domains



CyQu Q&A is for its most part multiple choice

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Step 3: Get an immediate snapshot of your cyber maturity with your CyQu Score







CyQu Freemium Q&A Samples

Company Profile Information

This section may require the assistance of colleagues that sit outside the IT department

Asmolimited			
Acme Limited			
What is the title of the employee responsible	or maintaining the organization's o	cyber security posture?	
Alice & Bob			
Business Information			
Company Industry *		Annual Gross Profit	
Manufacturing	•	\$0	USD 👻
Annual Revenue *		IT Budget	
£ 2,000,000,000	GBP ▼	£ 1,000,000	GBP 👻
% of budget on IT Security			
30%			
Total FTE			
]
FTE in IT Functions]	FTE in Security Functions	
Company Address			
Address Line 1			
Address Line 2			
Country		City	
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State/Province/Region	•		
State/Province/Region		L]
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Domain Q&A

Multiple Choice (e.g. Data Security)

Image: Section of the section of th	0% C DATA SECURITY Questions Total: 13 Completed: 0	Previous
ODE: INCOMPARENT: INCOMPARE		
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CyQu Report Sample Output For Illustrative Purposes

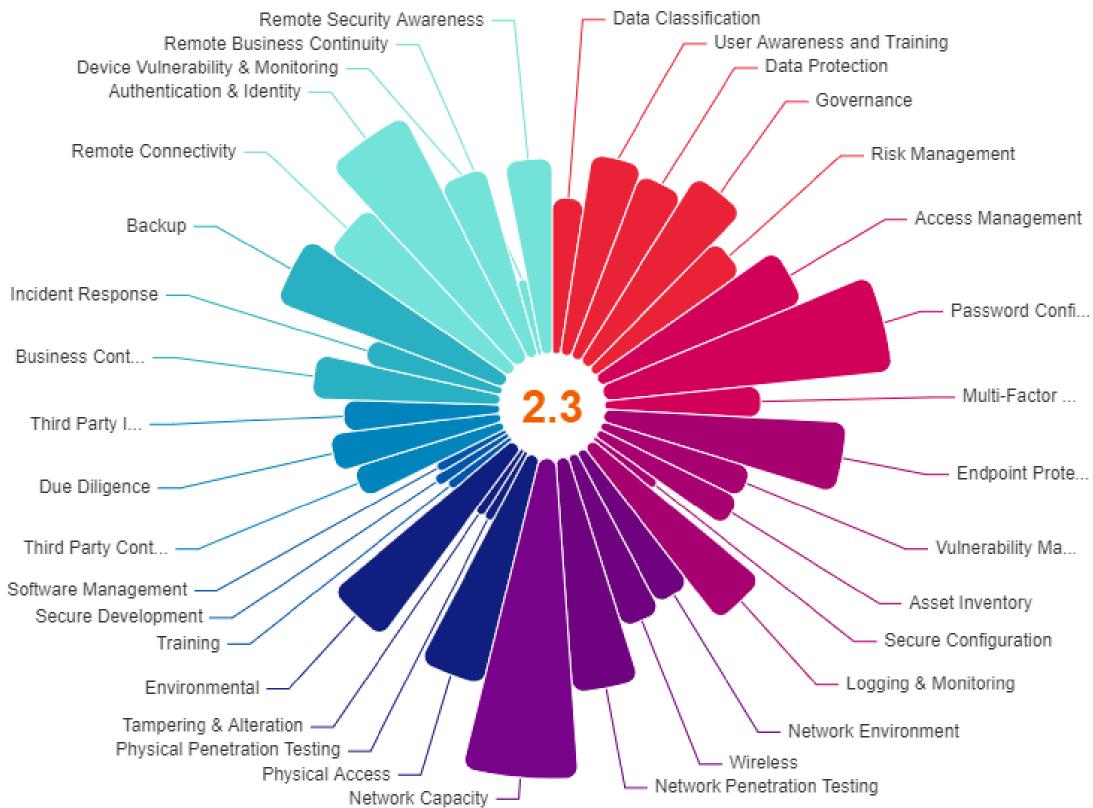
Performance Breakdown

The overall cyber security performance score is 2.3. The score is on a scale of 1 (Initial) to 4 (Advanced). This score has been achieved according to responses provided in January 2023.

Control Domain	Your CyQu	Peer CyQu
Data Security	2.5	2.7
Asset Control	2.7	2.9
Endpoint and Systems Security	2.6	3.0
Network Security	2.6	3.0
Physical Security	2.4	2.9
Application Security	1.0	2.3
Third Party	2.1	2.3
Business Resilience	2.3	2.6
Remote Work	2.5	2.9



CyQu Score



CyQu Report Sample Output For Illustrative Purposes

Data Security	You	Peer
Data Classification	2.0	2.5
User Awareness Training	2.6	3.2
Data Protection	2.5	2.9
Governance	2.8	2.7
Risk Management	2.3	2.5

Access Control	You	Peer
Access Management	2.8	2.8
Password Configuration	3.7	3.5
Two-Factor Authentication	2.0	2.7

Endpoint & Systems Security	You	Peer
Endpoint Protection	3.1	3.1
Vulnerability Management	2.0	3.0
Asset Inventory	2.0	2.8
Secure Configuration	1.0	3.1
Logging and Monitoring	2.8	2.9

Network Security

Network Environment Wireless Network Penetration Testing Network Capacity

Physical Security

Physical Access

Physical Penetration Testing

Tampering & Alteration

Environmental

Application Security

Training

Secure Development

Software Management



You	Peer
2.2	3.1
2.3	2.8
3.0	3.2
4.0	2.8

Third Party	You	Peer
Third Party Contracts	2.0	2.3
Due Diligence	2.2	2.1
Third Party Inventory	2.0	2.9

You	Peer
3.0	3.2
1.0	1.9
1.0	2.0
3.0	3.2

Business Resilience	You	Peer
Business Continuity/DR	2.4	2.6
Incident Response	1.8	2.6
Backup	3.1	2.7

You	Peer	
1.0	2.3	
1.1	2.4	
1.0	2.3	

Remote Work	You	Peer
Remote Connectivity	2.8	3.4
Authentication & Identity	3.5	3.2
Device Vulnerability & Monitoring	2.5	2.7
Remote Business Continuity	1.0	2.2
Remote Security Awareness	2.5	2.5







Next Steps

If you have further questions, please contact a member of Aon's Cyber Solutions team via:

richard.s.fawcett@aon.co.uk



Forthcoming Aon & FDF webinar: *Cyber & Artificial Intelligence, 16th April 2024.*



Request access to CyQu via richard.s.fawcett@aon.co.uk.

Complete CyQu Self Assessment.

Review results of CyQu with Aon's cyber professionals and internal stakeholders.

Implement risk mitigation and remediation strategies and work collaboratively to improve your cyber resilience.

Your questions









About Aon

<u>Aon plc</u> (NYSE:AON) is a leading global professional services firm providing a broad range of risk, retirement and health solutions. Our 50,000 colleagues in 120 countries empower results for clients by using proprietary data and analytics to deliver insights that reduce volatility and improve performance. For further information on our capabilities and to learn how we empower results for clients, please visit : http: //aon.mediaroom.com.

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Contact Us

Richard Fawcett | Client Director Aon Risk Solutions 12th Floor I The Colmore Building I20 Colmore Circus Queensway Birmingham I B4 6AT richard.s.fawcett@aon.co.uk | aon.co.uk

Carl Shanks | Director EMEA Aon Risk Solutions | Cyber Solutions 1 Redcliff Street | Bristol, BS1 6NP United Kingdom carl.shanks@aon.com | aon.co.uk

Ryan Hembery | Cyber Client Director Aon Risk Solutions | Cyber Solutions 1 Redcliff Street | Bristol, BS1 6NP United Kingdom ryan.hembery@aon.co.uk | aon.co.uk

Luiza Meziat | Senior Consultant – Cyber Risk Aon Risk Solutions | Cyber Solutions The Aon Centre | The Leadenhall Building I 122 Leadenhall Street London | EC3V 4AN | United Kingdom <u>luiza.meziat@aon.co.uk</u> | aon.co.uk