Team Project: Status Report

Research Companies

| Financial status and companies structure (ZoomInfo, 2022)					
	CHX PLANET POSITIVE PRODUCTS	Eco Packaging Solutions	P. WILKINSON CONTAINERS LTD. Metal and Plastic Containers for Industry	**ffp** SUSTAINABLE FLEXIBLE PACKAGING	**TCL** PACKAGING
Revenue (Million)	5	7	6	23	23
Employees	25	32	35	116	121
Revenue / Employees rate	**0.20**	**0.22**	**0.17**	**0.20**	**0.19**

Estimation

"United Kingdom Manufacturing Production is projected to trend around 2.50 percent in 2023 and 2.30 percent in 2024" (Trading Economics, 2022).

Acme 2021	
Employees	150
Average rate of 5 similar companies	**0.20**
Estimated Revenue (Million)	29.36

Stability: Acme Revenue Forecast (Million)
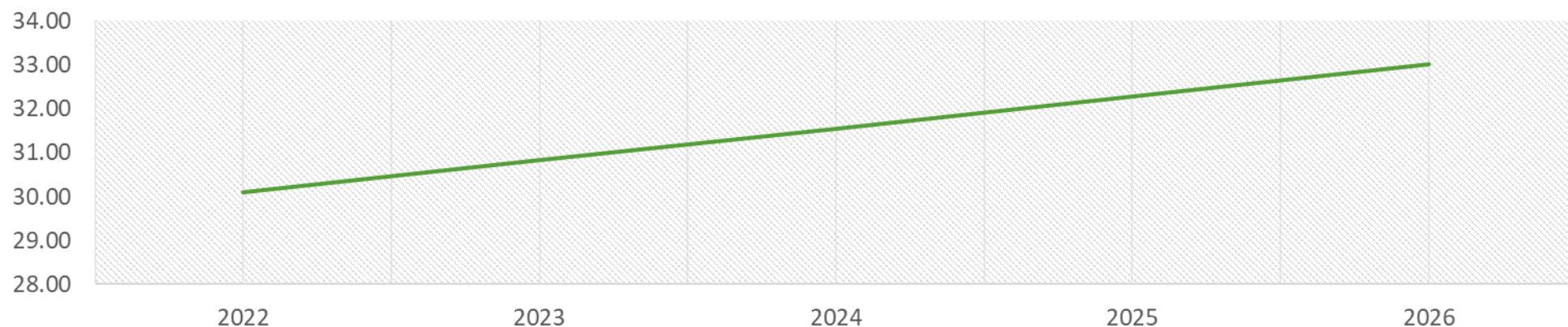
IT capabilities (ImmuniWeb, 2022)

	CHX	Remarks	Eco	Remarks	P. Wilkinson	Remarks	FFP	Remarks	TCL	Remarks
ERP	4	Secure cloud based ERP (CHX Products, N.D.)	2	Not mentioned	2	Not mentioned	5	EFI's Radius (FFP, 2020)	2	Not mentioned
Grade	4	B	5	A	3.5	C+	4.5	B+	3.5	C+
EU GDPR	5	Compliant	3	Issue found	5	Compliant	5	Compliant	5	Compliant
PCIDSS	5	Compliant	3	Issue found	3	Issue found	5	Compliant	3	Issue found
CMS	1	No CMS fingerprinted	4	React	5	WordPress (up to date)	4	WordPress	5	WordPress (up to date)
Average	3.80		3.40		3.70		4.70		3.70	
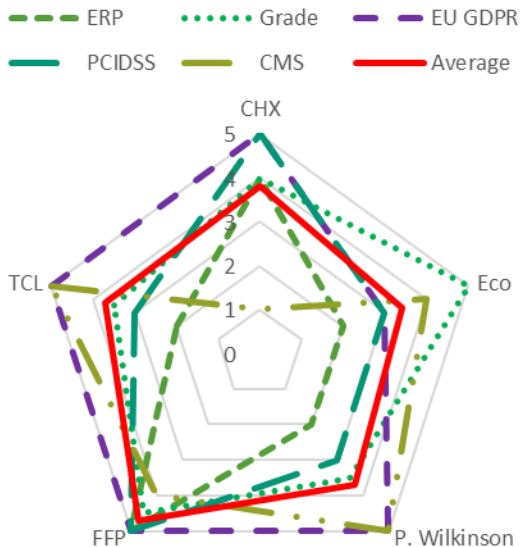
Risk appetite

- Theft of intellectual property (Jason Miller, 2021)
- Issues with data integrity/customer specs being changed prior to manufacture
- Attacks against manufacturing facilities or goods
- Productivity loss caused by downtime
- Malware in the supply chain compromises the manufacturing process's integrity (Jason Miller, 2021)
- Products lose their dependability and integrity

Based on the similar structure (>100 employees) of disposable cutlery companies Website Security Test showed that the IT capabilities are above average.

Key Business Risks

Business Continuity

- Human error, whether internal or external staff or vendor negligence or malicious activity.
- Third-party vendor disruption: Vendors should comply with regulations to minimise exposure or reputational damage.
- Business process re-engineering.
- Consumer purchase behaviour or potential dissatisfaction.
- Productivity loss during the transition period to ERP.
- Forming a solid project team with executive-level members is required to integrate and align business and IT needs.

Environmental factors

- Climate change and natural disasters can affect IT infrastructure, reducing capacity, readiness procedures and impaired security controls.
- Social awareness of waste disposable or accidents may affect the company's reputation.
- Global financial crises can reduce workforces, ventures and increase inflation.

Technological factors

- Internet of Things – data-gathering devices may need to be secure.
- Social Engineering, Phishing, Malware and Denial-of-Service attacks; Securing and protecting personal (GDPR), payment (PCI compliance) and sensitive data.
- Recruiting ERP trained developers or retraining IT professionals / internal expertise.
- Automation can reduce the workforce that challenges small to medium-sized enterprises.

Technical, Business risks and Assumptions

Risk No.	Risk	Description	Potential Effect
COTS (Commercial Off the Shelf) solution			
1	Inadequate support of COTS vendor	The COTS vendor may stop providing support or provide inadequate support either due to incompetency or bankruptcy	Inadequate service quality Security breaches and incidents Non-compliance with regulatory authority Financial loss and reputational damage
2	Process risk	The COTS application may require more time than required to understand and integrate business processes	Sustainability of application leading to service degradation
3	SLAs not meeting agreed-on metrics	Depending on the support model agreed, the vendor could breach the SLA	Not able to provide the agreed-on RTO and RPO
4	Product obsolescence	Lack of product enhancements and/or product development may get dropped	Inadequate service quality Security breaches and incidents Financial loss and reputational damage Not able to meet organisations strategic objectives
Open-Source solution supported by Internal IT department			
1	Software quality	Open source projects are community-oriented, developed and supported through collaboration. However with insufficient resources, quality will suffer.	Inadequate service quality Not able to meet strategic objectives
2	Sustainability over longer time period	As open-source projects relies on community contributions, if the contributors are not able to keep the commitment, it will lead to a product that is no longer sustainable	Inadequate service quality Security breaches and incidents Not able to meet organisations strategic objectives
3	Copyright infringement	Negligence from coder can potentially allow proprietary code in the product.	Financial loss and reputational damage
4	Software security risks	Open-source vulnerabilities and exploits are made public to everyone once discovered. If there is a vulnerable open-source library used in the code, there is a risk of malicious attack.	Security breaches and incidents Financial loss and reputational damage
In-house developed solution built by a student and supported by Internal IT department			
1	Unrealistic estimated schedule	The solution developed by the student may have unrealistic deadline for completion	Not able to meet organisations strategic objectives
2	Lack of adequate skill set	The solution may suffer quality issues and/or not meet the expectations due to a lack of required skill set	Not able to meet organisations strategic objectives Security breaches and incidents Inadequate service quality
3	Incomplete solution	There is a risk of an incomplete solution if the student discontinues the course	Not able to meet organisations strategic objectives
4	Lack of upper management involvement	Risk of upper management not being involved with the student	Not able to meet organisations strategic objectives
5	Insufficient testing	There is a risk of the solution not being tested sufficiently either due to project timelines or inadequate skillset	Security breaches and incidents Inadequate service quality

Risk Assessment Assignment

University of Essex Online

Jonathan Callaghan, Nitin Subramaniam, Ying Chan

| | | Legend: | On track | Low risk | Med risk | High risk | Unassigned |

Project Start Date: 21/3/2022

Scrolling Increment: 1

Milestone description	Category	Assigned to	Progress	Start	Days
Status Report					
Meet to discuss status report	On Track	All	100%	22/3/2022	1
Research about company status	On Track	Ying	100%	22/3/2022	4
Research about business risks	On Track	Jonathan	100%	22/3/2022	4
Enumerate technical and business risks	On Track	Nitin	100%	22/3/2022	4
Prepare status report	On Track	All	100%	25/3/2022	3
Submit status report	On Track		100%	28/3/2022	1
Risk Assessment Report					
Select risk assessment methodology	On Track		0%	8/4/2022	2
Perform analysis on risks identified	On Track		0%	10/4/2022	3
Provide risk rating and mitigation	On Track		0%	12/4/2022	2
Create Disaster Recovery solution	On Track		0%	14/4/2022	2
Prepare risk assessment report	On Track		0%	16/4/2022	2
Submit report	On Track		0%	18/4/2022	1
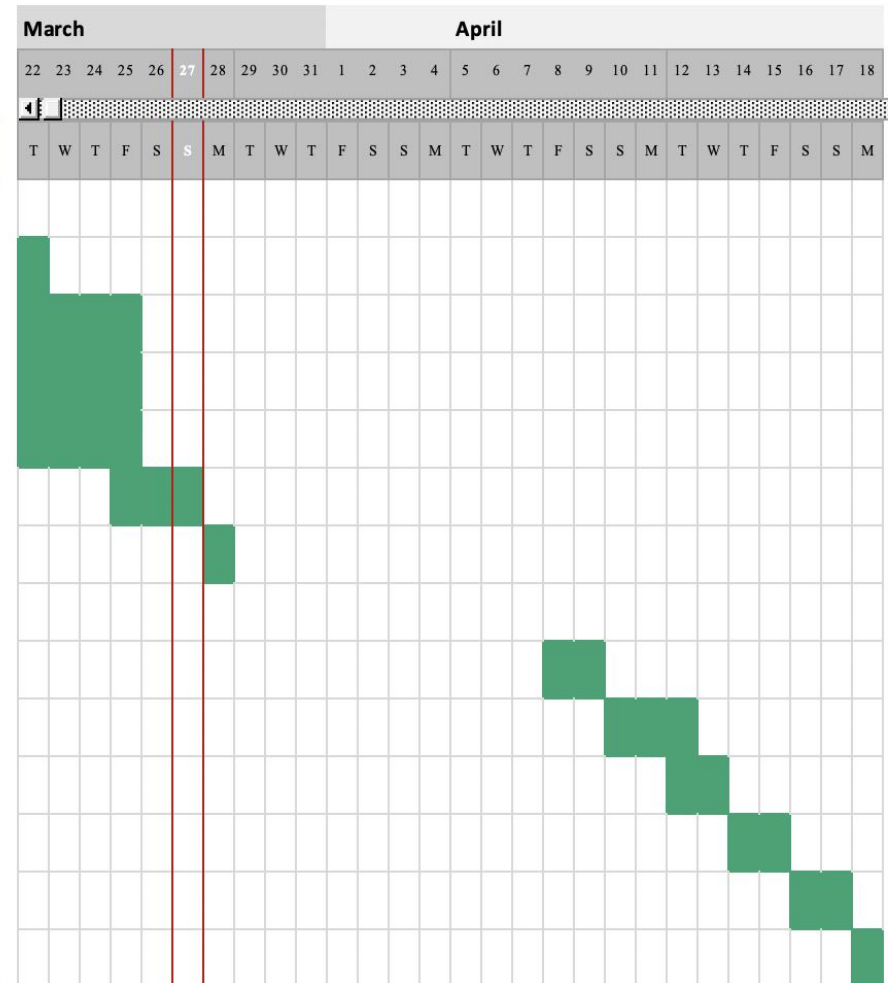
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