

Improving Text Block Tagging

Update on XBRL International work in this area.

ITCG Meeting 1 Ocober 2024

John Turner XBRL International

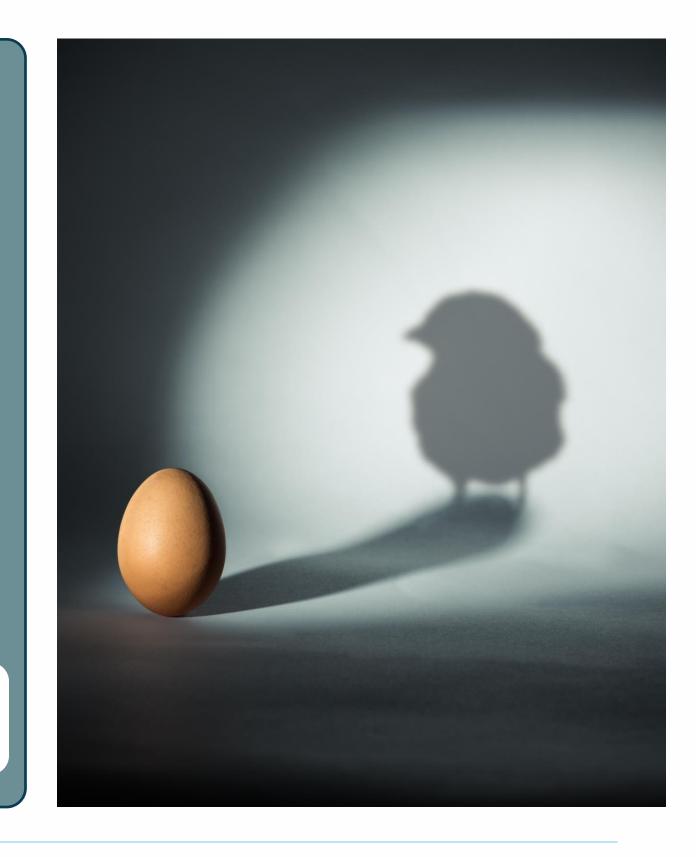


Text Block Tagging – Enhancement Options

Sophisticated design and formatting is impressive but complex

- Successful EU ESEF Filing Initiative has unintended consequences. Complex text block tags make isolated visualization of text components impractical.
- XBRL International has a WGN (Working Group Note) out for comment together with draft transforms that can improve and simplify the extraction and analysis of narrative disclosures.
- Implementation will require regulatory adoption and some software enhancements.

We are very interested in ITCG perspectives on these proposals.



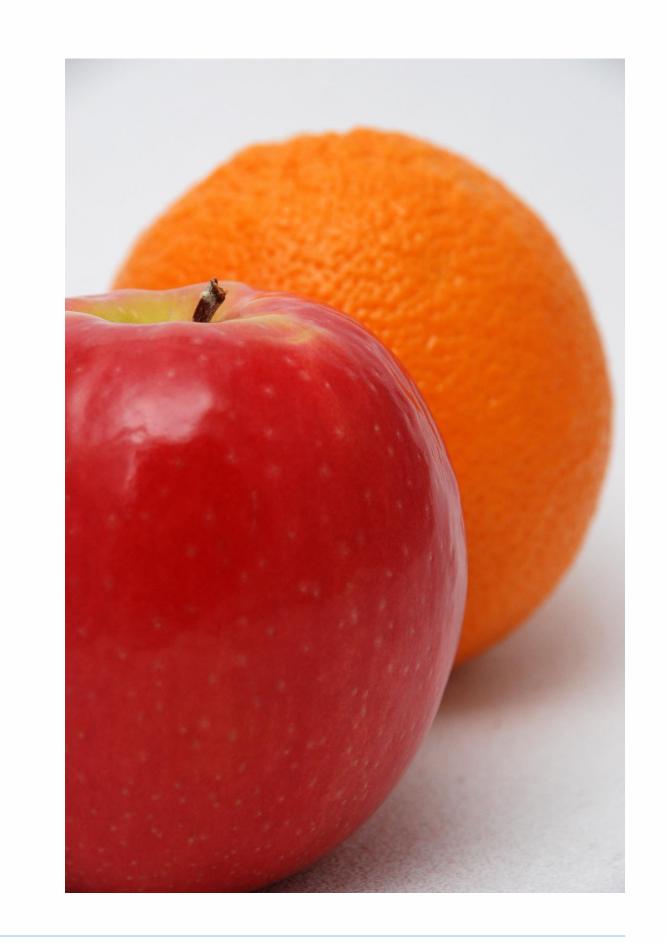
Rendering XHTML fragments

Core challenge being addressed

Comparing narrative disclosure contained in specific tags is a natural requirement.

Grabbing a fragment of a larger XHTML document and trying to render it doesn't work reliably. Rendering an isolated "chunk" with full fidelity is difficult at best but can be impossible.

In the EU, this is especially evident in filings that use PDF2HTML conversion, but it is not restricted to this situation.



iXBRL + text block tags: an extreme example

1. Reporting Entity

Photon Energy N.V. ("Photon Energy" or the "Company"), ID 51447126, is a joint-stock company incorporated under the laws of Netherlands on 9 December 2010. The statutory seat of the Company is Barbara Strozzilaan 201, 1083HN Amsterdam. The consolidated financial statements of the Company as at and for the year ended 31 December 2022 comprise the Company and its subsidiaries (together referred to as the "Group" and individually as "Group entities") and the Group's interest in jointly controlled entities.

Photon Energy N.V. is the Group's ultimate parent company. It is a a joint-stock company incorporated and domiciled in Netherlands. Principal place of business on the Company is Netherlands.

Photon Energy NV's shares are listed on the regulated markets of the Warsaw and Prague Stock Exchanges, as well as on the Quotation Board of the Frankfurt Stock Exchange. Trading of the shares on regulated markets on the Warsaw Stock Exchange and Prague Stock Exchange commenced on 5 January 2021. Trading of the Company's shares on the Quotation Board of the Open Market of the Frankfurt Stock Exchange (FSX) commenced on 11 January 2021.

The bonds are traded on the Open Market of the Frankfurt Stock exchange, and on the stock exchanges in Berlin, Hamburg, Hannover, Munich and Stuttgart.

The Group is mainly engaged in the development of photovoltaic power plants. This activity involves securing suitable sites by purchase or long-term lease, obtaining all licenses and permits, the design, procurement and installation of photovoltaic equipment, financing, operations and maintenance. Photon Energy pursues a comprehensive strategy of focusing both on green-field and rooftop installations while trying to cover the largest possible part of the value chain and lifecycle of the power plant. In addition, the Group launched a new service line Water which offers comprehensive services in the fields of contaminated land and ground water remediation and water purification.

2. Basis of Preparation

2.1 Statement of Compliance

The consolidated financial statements have been prepared in accordance with International Financial Reporting Standards (IFRSs) as adopted by the European Union ("EU IFRSs") and title 9 Book 2 of the Netherlands Civil code. It represents the international accounting standards adopted in the form of European Commission Regulations in accordance with Regulation (EC) No 1606/2002 of the European Parliament and of the Council.

The consolidated financial statements were authorised for issue by the Board of Directors on 24 April 2023.

Going Concern

The Consolidated financial statements have been prepared on a going concern basis, resulting from the Management's assessment of the Company's ability to continue its operations for the foreseeable future. The Management based its assessment on an evaluation of, among others, the company's financial position, expected future cash flows and market developments. As of 31 December 2022, liquid assets amounted to EUR 21,358 million. The Management also considered the Company's ability to obtain financing, taking into account the company's credit standing. Expected future cash flows are based on the latest forecasts. These forecasts take into account internal and external developments relevant in the assessment of the ability of the Company to continue as a going concern, including but not limited to market developments. developments in the macro-economic environment and climate-related developments. The Management's assessment did not lead to uncertainties in relation to the Company's ability to continue as a going concern

2.2 Basis of Measurement

The consolidated financial statements have been prepared on historical cost basis except for the following material items in the statement of financial position:

 Property, plant and equipment – photovoltaic power plants are measured at revalued amounts (for revaluation details refer to the note 19)

- Financial instruments, except for derivatives, FVPL and FVOCI financial investments, are measured at amortised costs
- Derivatives, FVPL and FVOCI financial investments are measured at fair value.

2.3 Functional Currency

These financial statements are presented in EUR.

The functional currencies used in the Group are CZK for Czech subsidiaries, EUR for Dutch, German and Slovak companies, CHF for Swiss subsidiary, HUF for Hungarian entities AUD for Australian subsidiaries ROM for Romanian entities and PLN for Polish entities. All financial information presented in EUR has been rounded to the nearest thousand

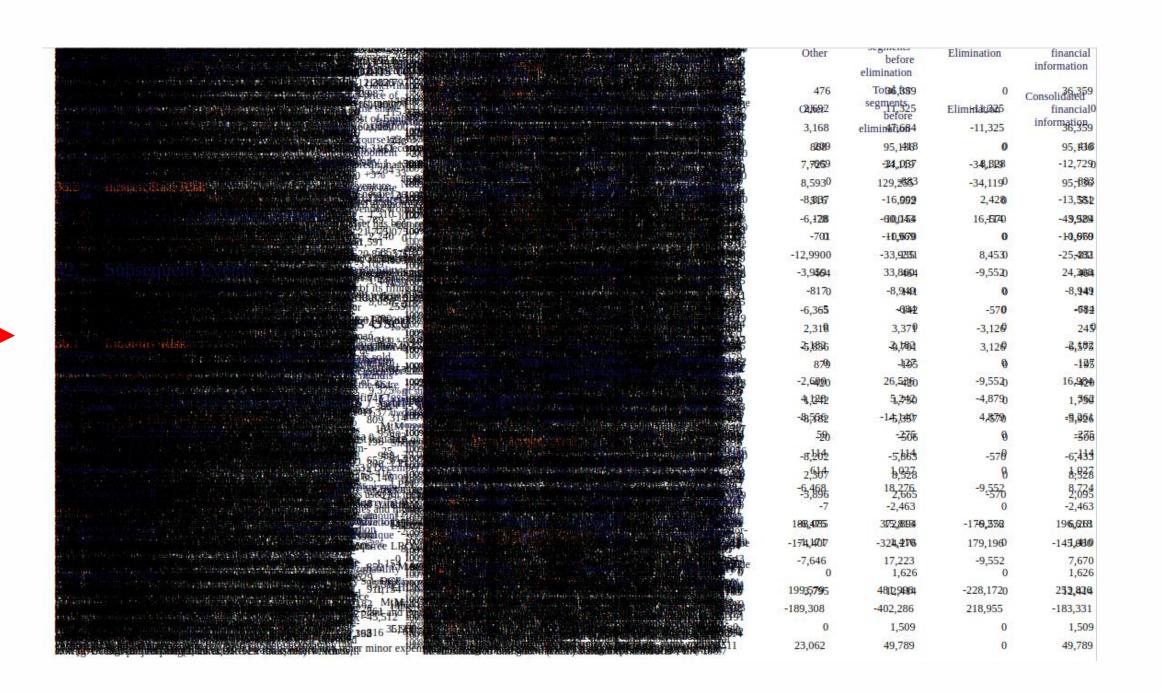
2.4 Use of Estimates and Judgments

The preparation of the consolidated financial statements in conformity with EU IFRSs requires management to make judgements, estimates and assumptions that affect the application of accounting policies and the reported amounts of assets, liabilities, income and expenses. Actual results may differ from these estimates.

Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimates are revised and in any future periods affected.

Information about assumptions and estimation uncertainties that have a significant risk of resulting in a material adjustment within the next financial year are included in the following notes or below:

- Note 5.1 Key assumptions used in discounted cash flow projections related to the valuation of the photovoltaic power plants
- Note 2.4.1. Professional judgement used in assessment of control of investments as a basis for consolidation
- Note 2.4.2. Recognition of deferred tax asset
- Note 2.4.3. Recognition of revenues from construc-





But what about the SEC or JFSA?

This issue arises in the EU because of the sophisticated of modern HTML

Block tags work well at the SEC, because:

- SEC and Japanese filing rules mandate the use of inline CSS styles
- The styling applied to Inline XBRL documents filed to the SEC and JFSA are typically constrained to quite simple formatting.



SEC vs ESEF

Note 4 - Financial Instruments

Cash, Cash Equivalents and Marketable Securities

The following tables show the Company's cash, cash equivalents and marketable securities by significant investment category as of March 30, 2024 and September 30, 2023 (in millions):

	March 30, 2024								
	 Adjusted Cost	ι	Jnrealized Gains	Unrealized Losses		Fair Value	Cash and Cash Equivalents	Current Marketable Securities	Non-Current Marketable Securities
Cash	\$ 28,227	\$		\$ —	\$	28,227	\$ 28,227	\$ _	\$ _
Level 1:									
Money market funds	1,353		_	_		1,353	1,353	_	_
Mutual funds	464		66	(7)		523	_	523	_
Subtotal	1,817		66	(7)		1,876	1,353	 523	_
Level 2 (1):	 								
U.S. Treasury securities	18,150		1	(933)		17,218	1,895	4,133	11,190
U.S. agency securities	5,775		_	(446)		5,329	233	581	4,515
Non-U.S. government securities	17,319		37	(666)		16,690	_	11,289	5,401
Certificates of deposit and time deposits	976		_	_		976	656	320	_
Commercial paper	1,482		_	_		1,482	274	1,208	_
Corporate debt securities	71,612		90	(3,694)		68,008	57	15,096	52,855
Municipal securities	511		_	(15)		496	_	188	308
Mortgage- and asset-backed securities	 24,044		37	(2,046)		22,035	_	 1,117	20,918
Subtotal	 139,869		165	(7,800)		132,234	3,115	33,932	95,187
Total (2)	\$ 169,913	\$	231	\$ (7,807)	\$	162,337	\$ 32,695	\$ 34,455	\$ 95,187

Apple Inc. | Q2 2024 Form 10-Q | 7

GOVERNANCE REPORT FINANCIAL STATEMENTS

Free cash flow in 2023 was £(38.4) million (£(243.1) million in 2022), which included cash exceptionals of £20.2 million (£60.9 million in 2022) mainly related to the redundancy programme initiated in H1 2023 and payment of provisions in respect of previously-exited markets.

Free cash flow*	£m	£m
Adjusted EBITDA*	85.4	(45.0
Discontinued operations adjusted EBITDA*	_	(25.8
Change in net working capital	(33.7)	(24.3
Cash exceptionals*	(20.2)	(60.9
Cash tax and other	(8.3)	11.8
Net cash generated from/(used in) operating activities	23.2	(144.2
Purchase of property, plant and equipment	(7.6)	(30.1
Acquisition of intangible assets	(36.1)	(50.3
Payments of lease liabilities	(15.4)	(15.7
Interest on lease liabilities	(2.5)	(2.8
Free cash flow*	(38.4)	(243.1
Add back: cash exceptionals*	20.2	60.9
Free cash flow before exceptionals*	(18.2)	(182.2
	77.1	

* Alternative performance measure (APM*), refer to glossary on page 187 for further details.

Other cash flow items

Total interest received, which is not included in our definition of free cash flow, increased to £31.7 million (2022: £11.0 million), reflecting the increase in interest rates and more efficient cash management. Purchases of own shares were £312.8 million (2022: £66.0 million) relating to three share purchase programmes:

- £9.0 million to complete the £75 million share purchase programme announced in August 2022;
- £50.8 million (including fees) for the £50 million share purchase programme announced in March 2023; and
- £253.0 million (including fees) for the £250 million tender offer in October 2023.

4. Balance sheet

See more on page 144

Deliveroo continues to benefit from a strong financial position. Net cash was £678.8 million at 31 December 2023 (£999.6 million at 31 December 2022), comprising cash and cash equivalents of £603.1 million and other treasury deposits of £75.7 million (£949.1 million and £50.5 million, respectively at 31 December 2022). As at 31 December 2023, Deliveroo had no debt outstanding (31 December 2022; nil).

Vet cash*	2023 Em	2022 £m	H1 2023 Em
Dash and cash equivalents	603.1	949.1	896.0
Other treasury deposits	75.7	50.5	51.8
less debt		_	-
let cash*	678.8	999.6	947.8

 Alternative performance measure ("APM"), refer to glossary on page 187 for further details.

Provisions at 31 December 2023 were £1272 million, a decrease of £16.0 million compared to £143.2 million at 31 December 2022. This decrease is primarily due to reassessment of the likely outcome of several legal and regulatory proceedings, resulting in the reduction of some provisions, partially offset by the recognition of additional amounts related to other updated or new matters elsewhere. At year end, the portion of provisions classified as current liabilities was £58.1 million (2022: nil).

5. Dividend and dividend policy

No dividend has been declared or paid in the current or comparative periods. Given the early stage of maturity of the online food and retail category, Deliveroo remains focused on investing to drive growth, believing that this is the best way to drive long-term shareholder value. The Company does not expect to declare or pay any dividends for the foreseeable future.







Rendering an XHTML fragment

- By default, works really badly, particularly on PDF-converted fragments.
- Can be made to work better with tweaking of the HTML/CSS and careful selection of the fragment.
- But how good is good enough?
- Concerns over isolated rendering have caused many audit review cycles, and much discussion.



What are block tags actually for?

The Use Cases

1. Disclosure indicator



2. Navigation and highlighting



3. Extraction of structured text (think "reader mode") for comparison

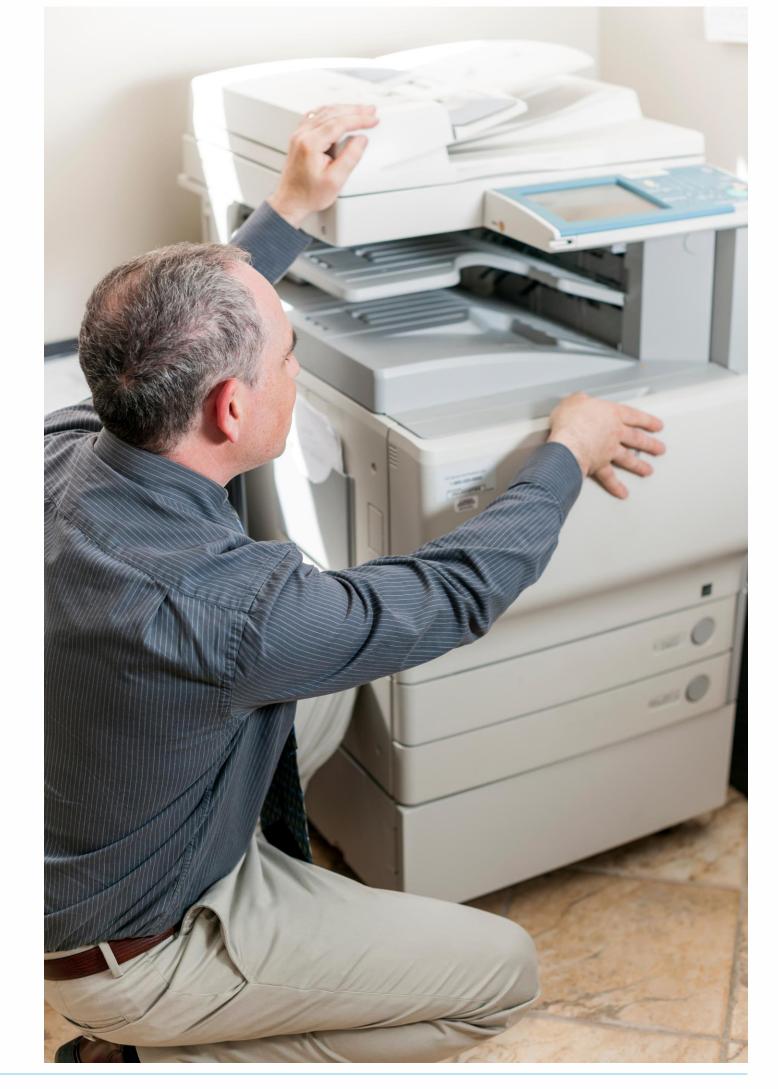


What are block tags not good for

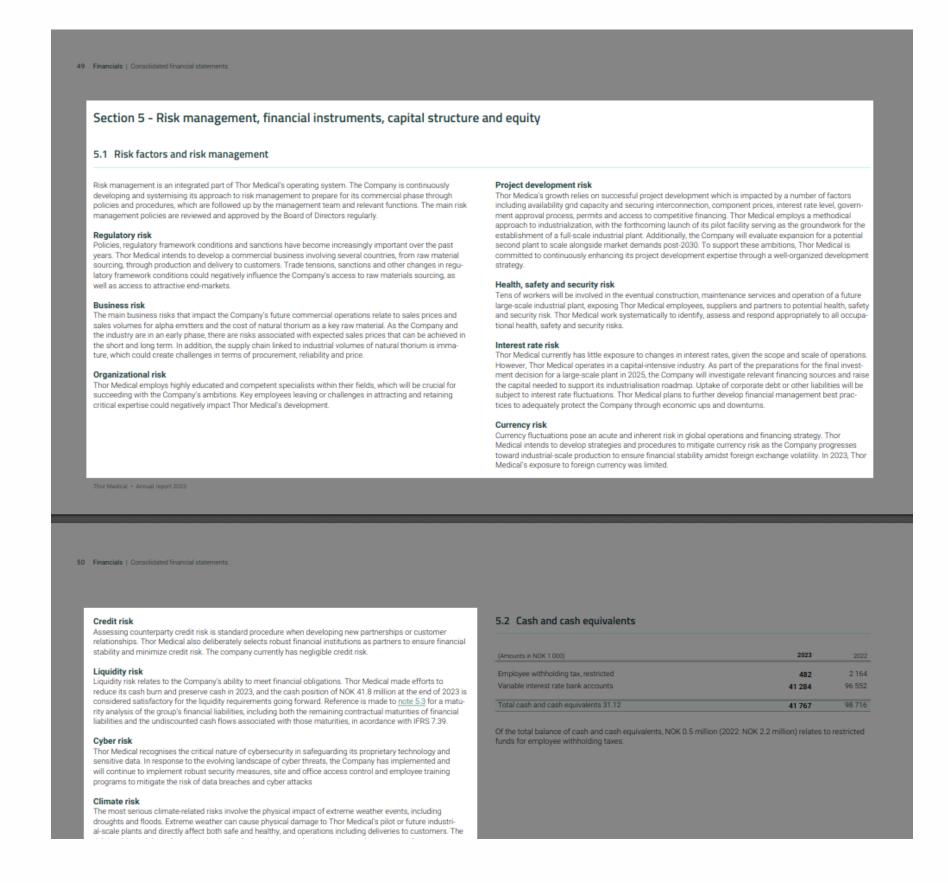
One key issue...

Reproducing an *isolated rendering* of a tag that looks exactly like the original.

- 1. What does this even mean? The tag might span multiple columns or pages
- 2. If that's what you want, just look at the source document (the "navigation and highlighting" use case)
- 3. Reproducing source layout and styling may be actively unhelpful...



Report 1

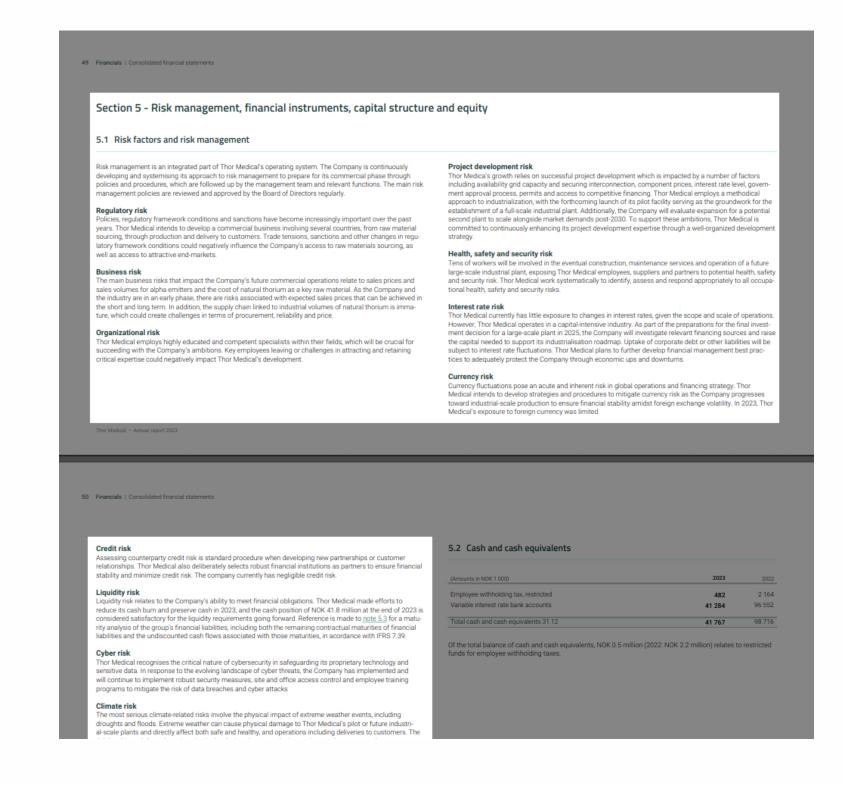


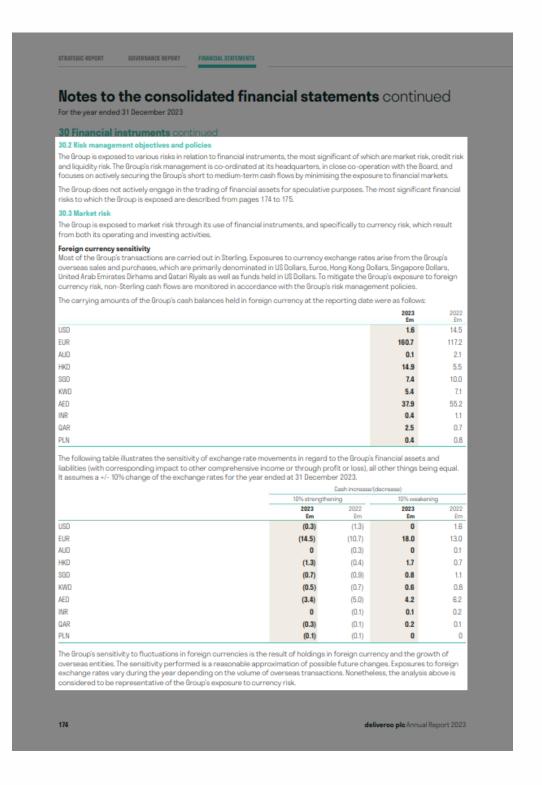


Report 2











What if we had structured text? (aka engage "reader" mode)

Section 5 - Risk management, financial instruments, capital structure and equity

5.1 Risk factors and risk management

Risk management is an integrated part of Thor Medical's operating system. The Company is continuously developing and systemising its approach to risk management to prepare for its commercial phase through policies and procedures, which are followed up by the management team and relevant functions. The main risk management policies are reviewed and approved by the Board of Directors regularly.

Regulatory risk

Policies, regulatory framework conditions and sanctions have become increasingly important over the past years. Thor Medical intends to develop a commercial business involving several countries, from raw material sourcing, through production and delivery to customers. Trade tensions, sanctions and other changes in regulatory framework conditions could negatively influence the Company's access to raw materials sourcing, as well as access to attractive end-markets.

Business risk

The main business risks that impact the Company's future commercial operations relate to sales prices and sales volumes for alpha emitters and the cost of natural thorium as a key raw material. As the Company and the industry are in an early phase, there are risks associated with expected sales prices that can be achieved in the short and long term. In addition, the supply chain linked to industrial volumes of natural thorium is immature, which could create challenges in terms of procurement, reliability and price.

Organizational risk

Thor Medical employs highly educated and competent specialists within their fields, which will be crucial for succeeding with the Company's ambitions. Key employees leaving or challenges in attracting and retaining critical expertise could negatively impact Thor Medical's development.

30.2 Risk management objectives and policies

The Group is exposed to various risks in relation to financial instruments, the most significant of which are market risk, credit risk and liquidity risk. The Group's risk management is co-ordinated at its headquarters, in close co-operation with the Board, and focuses on actively securing the Group's short to medium-term cash flows by minimising the exposure to financial markets.

The Group does not actively engage in the trading of financial assets for speculative purposes. The most significant financial risks to which the Group is exposed are described from pages 174 to 175.

30.3 Market risk

The Group is exposed to market risk through its use of financial instruments, and specifically to currency risk, which result from both its operating and investing activities.

Foreign currency sensitivity

Most of the Group's transactions are carried out in Sterling. Exposures to currency exchange rates arise from the Group's overseas sales and purchases, which are primarily denominated in US Dollars, Euros, Hong Kong Dollars, Singapore Dollars, United Arab Emirates Dirhams and Qatari Riyals as well as funds held in US Dollars. To mitigate the Group's exposure to foreign currency risk, non-Sterling cash flows are monitored in accordance with the Group's risk management policies.

The carrying amounts of the Group's cash balances held in foreign currency at the reporting date were as follows:

	2023	2022
	£m	£m
USD	1.6	14.5
EUR	160.7	117.2

iXBRL + text block tags: The Plan

(So far!)

- Text block tags should be used for:
 - Navigation and highlighting
 - Extracting simple, structured text (paragraphs, headings, lists and tables)
- New iXBRL transforms to extract just structured text (unstyled HTML)
- New datatypes to replace textBlockItemType
- Option to extract no content just support navigation and highlighting

The ixt:html-rich-text transform

Create "reader" mode text, and strip out complex formatting

- Proposed new transform in Transformation Rules Registry v6
 - Published as Public Working Draft (PWD)
- Strips non-structural ("non-semantic") XHTML such as <div> and
- Leaves structural XHTML (paragraphs, lists, headings, etc) but removes styling
 - Consistently removing styling avoids discussion and review about what is "good enough"
 - Focuses on content rather than appearance



The ixt:html-rich-text transform

- In order to work effectively, the source XHTML needs to contain structural tags
- Most PDF-sourced XHTML doesn't...
 - ... although most vendors have a solution for including tags.
- Structural tags can be inserted into PDF-source documents without interfering with the appearance:
 - CSS can be used to neutralise impact on appearance
 - Transform will strip out the CSS, and leave just the structural tags
- Question for vendors: is it feasible to add these tags during preparation?



No content block tagging

- Inline XBRL tags enable the first two use cases (navigation and highlighting), even if you
 extract no content
- Current ESEF requirements often result in multi-tagging (same content appears in multiple tags)
- Is there any value in actually extracting the less granular tags?
- WGN currently proposes allowing a "no content" tagging approach for very large tags.
- Taxonomy authors/regulators would need to decide where to use it, if at all.



Status...

Sophisticated design and formatting is impressive but complex

- We are very interested in ITCG perspectives on these proposals.
 - Taxonomy Authors & Regulators does this help?
 - Vendors can you make this work?
- Find the WGN <u>here</u> (https://www.xbrl.org/WGN/blocktagging-wgn/WGN-2024-06-18/blocktagging-wgn-2024-06-18.html)

