

### Transforming Sustainability Management & Reporting with a Taxonomy & Al Driven Approach

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Ez XBRL Solutions EcoActive ESG



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#### Varied Stakeholder Outlook and Objectives

#### **ESG Stakeholder Expectations**











#### **Factors Impacting the ESG Process**

#### **Challenges in ESG Management**







LEVERAGING THE POWER OF AI AND XBRL THROUGHOUT THE PROCESS







## What This **Looks Like In Practice**







#### **Embedding Standards From the Outset**

t/Fin	All Materiality Summarized Assessment All Material Topics	Heatmap Survey	)				Upload Survey	Download Sur	vey 🔽 🔳
0.	Торіс	Pillar	Regular Disclosure		Weightage(%)	Impact Materiality	Financial Materiality	Description	Owner
1	Climate change   Climate change mitigation	Environment *	Material	-	12	Material	Material	Your Comments	Select Owner 🔻
2	Climate change   Energy	Environment *	Material	•	10	Material	Material	Your Comments	Select Owner 💌
3	Pollution   Pollution of air	Environment	Material	•	9	Material	Material	Your Comments	Select Owner 💌
1	Water and marine resources   Water	Environment	Material	-	10	Material	Material	Your Comments	Select Owner 🔻
5	Water and marine resources   Water   Water consumption	Environment *	Material	•	9	Material	Material	Your Comments	Select Owner 💌
6	Own workforce   Working Conditions   Health and safety	Social	Material	-	10	Material	Material	Your Comments	Select Owner 🔻
,	Own workforce   Equal treatment and opportunities for all	Social	Material	h	11		Material	Your	Select Owner 🔻

Save







#### **Taxonomy At The Core Of The Process**

	Mandatory	Material Topics	Non-Material Topics	Other Topics	📒 Voluntary Ta
SRS-E2 : Pollution					
ESRS-E2-IRO : Impact, risk and opportunity management					
ESRS-E2-MT : Metrics and targets					
ESRS-E2-MT-1 : Targets related to pollution					-
ESRS-E2-MT-1-1: Disclosure of pollution-related targets					
ESRS-E2-MT-1-2 : Disclosure of measurable outcome-oriented and time-bound target					
ESRS-E2-MT-1-3 : Name of target					۵) 📼
ESRS-E2-MT-1-4 : Identifier(s) of related impacts, risks and opportunities					<b>(</b>
ESRS-E2-MT-1-5 : Name(s) of related impacts, risks and opportunities					<b>@</b>
ESRS-E2-MT-1-6 : Identifier(s) of related policies					<b>(3)</b>
ESRS-E2-MT-1-7: Name(s) of related policies					<b>(</b>
ESRS-E2-MT-1-8 : Sustainability matter(s) addressed by target					<b>@</b>
ESRS-E2-MT-1-9 : Description of relationship of target to policy objectives					۵) 💷
ESRS-E2-MT-1-10 : Measurable target (absolute value)					<b>(3)</b>
ESRS-E2-MT-1-11 : Measurable target (percentage)					<b>@</b>
ESRS-E2-MT-1-12 : Absolute or relative target					0



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#### Auto-Alignment with Multiple Emerging Frameworks

Material Topic Business conduct	Show N/A     Select Default CSRD :       CSRD(Default Framework)       Basis for preparation of sustainability statement [esrs-2-bp-1-5-a]	Basic Select Framework : CSRD (Default), GRI GRI List of all entities included in sustainability reporting [gri-2-2-a]
Business conduct	Basis for preparation of sustainability statement [esrs-2-bp-1-5-a]	List of all entities included in sustainability reporting
Business conduct	[esrs-2-bp-1-5-a]	
	Scope of consolidation of consolidated sustainability statement is same as for financial statements [esrs-2-bp-1-5-b-i]	if the organization has audited consolidated financial statements or financial information filed on public record, specify the differences between the list of entities included in its financial reporting and the list included in its sustainability reporting [gri-2-2-b]
	Description of significant groups of products and (or) services offered [esrs-2-sbm-1-40-a-i]	describe significant changes in 2-6-a, 2-6-b, and 2-6-c compared to the previous reporting period [gri-2-6-d]
Rusiness conduct	Description of significant markets and (or) customer groups served [esrs-2-sbm-1-40-a-ii]	describe significant changes in 2-6-a, 2-6-b, and 2-6-c compared to the previous reporting period [gri-2-6-d]
Rusiness conduct	Total revenue [esrs-2-sbm-1-40-b]	report the sector(s) in which it is active [gri-2-6-a]
Rusiness conduct	Revenue by ESRS Sectors [esrs-2-sbm-1-40-b]	report the sector(s) in which it is active [gri-2-6-a]
	List of additional significant ESRS sectors in which significant activities are developed or in which undertaking is or may be connected to material impacts	report the sector(s) in which it is active

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## **Automated Templates** and Task Management









#### **AI-Enabled Disclosure Template Automation**

Gross Scope I Greenhouse Gas Emissio	13000	12000	11000	10000	Metric Tonne X 👻	Actual	× • -9.09	20% Scop
Percentage Of Scope 1 Greenhouse Gas CSRD				percent				
Gross Location-Based Scope 2 Greenho CSRD	10200	8900	9000	9500	Metric Tonne X 👻	Actual	× • 5.56	25% Scop
Gross Market-Based Scope 2 Greenhous	9700	8800	7200	6700	Metric Tonne X 💌	Actual	× • -6.94	
Gross Scope 3 Greenhouse Gas Emissio CSRD	17000	16000	15000	14000	Metric Tonne X 👻	Actual	× • -6.67	30% Scop
Purchased Goods And Services		1485	1730	1590	Metric Tonne	Actual	-8.09	
Capital Goods		1525	1685	1450	Metric Tonne	Actual	-13.95	
Upstream Transportation And Distribu		1700	1825	1200	Metric Tonne	Actual	-34.25	
				so	ave			(?) Support







### **Automated Task Scheduling and Progress Monitoring**

e:							Frequency Task	Table			×		
											-		×
			Title:			Theme:			Subtheme:		_		
			ESRS El Climate	e change - MT-El.5	5 Energy	ESRS EI C	Climate change		MT-E1.5 Energy cons	umption and mix			
			Country:			State:			Site:				×
ewee	e.		Greece			Attica Re	agion		Piraeus		-		
e wet													×
										Tab	le		
													Apply Filters
							To Do	In Progress	Completed	Reviewed Appro	ved		
			100								=		
	No.	Title	80								iority	Status	Actions
-	NO.	ESRS El Climate chang									ionity	status	Actions
	1	Gross Scopes 1, 2, 3 and	8 60 -								То	Do	
_		GHG emissions ESRS E1 Climate chang											
	2	Energy consumption a	d 40 —								То	Do	
		ESRS E4 Biodiversity An Ecosystems - MT-E4.5	20 —										
	3	metrics related to bioc and ecosystems chan	PAR'S								10	Do	
		ESRS E4 Biodiversity An	0								_		
	4	Ecosystems - MT-E4.4 related to biodiversity	N-01-2	2024-02-29	1.03-3	A.04-30	5-31 5-06-30	224.08-31 2024.01-31	2024-09-39 2024-10-3	2024-11-30 2024-12-31	То	Do	
		ecosystems	2021	202	202. 203	2021	202 1	202	202 202	2027 2027			() Support
	-	ESRS E4 Biodiversity An Ecosystems - IRO-E4.3					Frequence	ies					
	5						11					Do	
_		_						0.00					ROP
1	R	L						Curope	mg )				





#### Single Source of Truth - Consistent & Reliable Data

	help companies improve their performance, manage risks, s		e innovation. ESO targets demonstrate a company's commitm themselves in the marketplace and build long-term value (o					Referenc			GU22	iany Targ trocking
Goals	Targets Projects KPIs Exception	Report								•	Ð	■
D En	eble Data Reporting									1	Down	nioad •
No.	Targets	Торісь	Name Of Metric	Base Year	Target Year	Base Value	Target Value		Act	tions		
1	20% Scope 1 Target by 2025 0	Climate change	Gross Scope 1 greenhouse gas emissions	2021	2025	• 100	• 80	8		0	٩	
2	25% Scope 3 Target by 2025 0	Climate change	Gross location-based Scope 2 greenhouse gas     emissions	2021	2025	• 100	• 75	8	0		Q)	9
3	30% Scope 2 Reduction 🟮	Climate change	Grass Scope 3 greenhouse gas emissions	2020	2025	• 100%	• 70%	C		0	Q	~
			Save		1				1001 1			



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### **From Data Ingestion to Reporting**

**ESG Data Management Process** 











#### **Granular Data - From Internal & External Sources**

Country* S	tate*	Site*		Employee C	Count	Owned/Leased*	Emis	ssion Factor Source*
Greece X 👻	Central Greece Region X 👻	Athens	× .*			Owned	× 👻 UK	DEFRA 2024 ×
Scope 1 Scope 2 Scope 3						Category:	Buildings	
Stationary Combustion	🖉 Setup				2 Collection			3 Emissio
) Fugitive Emissions								
) Bio Energy	Emissions Data							🛃 Export Emissi
) Process Emissions	Category Type	Fuel	Amount	UoM	Total GHG emissions (tCO2e)	CO <sub>2</sub> emissions (tCO <sub>2</sub> )	CH <sub>4</sub> emissions (tCO2e)	N <sub>2</sub> O emissions (tCO2e)
	Scope 1 Gaseous fuels	LPG	24258	Litres	37.77	37.72	-	0.02
	Scope 1 Gaseous fuels	LPG	26457	Litres	41.2	41.14	-	0.02
	Scope 1 Gaseous fuels	LPG	27654	Litres	43.06	43	-	0.02
	Scope 1 Gaseous fuels	LPG	29658	Litres	46.18	46.12	-	0.03
	Scope 1 Gaseous fuels	Natural gas	2564 ct	ubic metres	5.24	5.23	1.5	0
	Scope 1 Gaseous fuels	Natural gas	3059 ci	ubic metres	6.26	6.24	-	0
	Scope 1 Liquid fuels	Diesel (100% mineral diesel)	9000	Litres	23.95	23.65	-	0.3
	Scope 1 Liquid fuels	Diesel (100% mineral diesel)	10250	Litres	27.28	26.94	-	0.34
			Concern Decisions					







#### **Data Rollups - Integrated & Accurate Disclosures**

LITINGIUM CSRU									
Percentage Of Scope 1 Greenhouse     Gas     CSRD				percent					0
Gross Location-Based Scope 2 Greenho (CSRD)	10200	8900	9000	9500	Metric Tonne X 💌	Actual X ¥	5.56	25% Scop	0
Gross Market-Based Scope 2 Greenhous	9700	8800	7200	6700	Metric Tonne X 💌	Actual X *	-6.94		0
Gross Scope 3 Greenhouse Gas Emissio	17000	16000	15000	14000	Metric Tonne X 💌	Actual X 👻	-6.67	30% Scop	0
Purchased Goods And Services		1485	1730	1590	Metric Tonne	Actual	-8.09		0
Capital Goods		1525	1685	1450	Metric Tonne	Actual	-13.95		0
Upstream Transportation And Distribu		1700	1825	1200	Metric Tonne	Actual	-34.25		0
				Sa	ve				⑦ Support





Benchmarking and Analytics







#### **AI Powered Gap Analysis for Quality & Compliance**

Identification of climate-related hazards and assessment of exposure and sensitivity are informed by high emissions climate scenar (CSRO)	0	^
Previous Value		
Current Volue Generate Gap Analysis	Gap Analysis	×
The assessment of physical climate-related risks considers both acute risks from extreme weather events such as floods or wildfires and chronic risks such as the impacts of rising temperatures. Demo Auto started a physical risk assessment process, with first results presented in the second quarter of 2024. This assessment is supported by external experts from XYZ to assess climate-related risks for a base year (2021), and 2030 and 2050 horizons.	Alignment: Not Aligned Analysis: While Demo Auto's current value/answer mentions the consideration of both acute and chronic risks, there seems to be some limitations in their approach. ESRS requires that physical climate risk assessments consider the impacts of high-emissions scenarios on specific sectors or activities. However, Demo Auto's assessment only considers the impacts of rising temperatures, without mentioning any specific sector or activity. Suggestions: To improve alignment, Demo Auto should consider the impacts of high-emissions scenarios on specific sectors or activities, rather than only focusing on rising temperatures. Additionally, they should develop a clear methodology for quantifying risks and opportunities	
	③ Supp	ort

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#### AI Powered Peer Benchmarking & Semantic Analysis

Disclosure of GHG emissions CSRD	~
Disclosure of reporting boundaries considered and calculation methods for estimating Scope 3 GHG emissions category and, if releva	^
Previous Value Current Value Al Generated Suggesticits	AI Suggestions ×
Sove	Bayerische Motoren Werke AG <ul> <li></li></ul>
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#### **Dashboard Snapshot – Analytics & Progress Monitoring**











#### XBRL Inherently Embedded Within the Process





#### From Data to Digital Reports - Effective ESG Process Management

Editor		BRL		Fact Manager	»	Nested Tags [ 1 ]		
					1	Fact Property		>
Country: Czech Republic	State: Mladá Boleslav		Site: Site 1	Frequency:	ANNUALLY		<b>0 K</b> 0 V	0 :
Theme: ESRS E1 Climate change	Subtheme: MT-E1.6 Gross Sco Total GHG emissions	opes 1, 2, 3 and	Start Date: 2023-0	Start Date:         2023-01-01         End Date:         2023-12-31		Gross Scope 3 Emissions	Greenhouse Gas	•
ESRS E1 Climate change:			Concept Details		×			
Metric	Curre	nt Year	ID	esrs_GrossScope3GreenhouseG	asEmissions	2023-01-01 to	2022 42 24	
Gross Scope 3 greenhouse gas emissions		1,100,000	Name	GrossScope3GreenhouseGasEm	issions		2025-12-51	
Total location-based greenhouse gas emi	ssions	425,000	Туре	xbrli:monetaryItemType		(Ø) Dimension		
Total market-based greenhouse gas emis		305,000	Balance Type	dtr-types:ghgEmissionsItemType	8	MtCO2e		
<del>k</del>			Period Type	duration		Scale	Actual	*
Gross Scope 1 greenhouse gas emissions		90,000	Element Type	Element		Format	Dot fraction separator	•
Gross location-based Scope 2 greenhouse	e gas emissions	500,000	Taxonomy Role Id	E1ClimateChange		Is Negative?	Assign NIL	
Gross market-based Scope 2 greenhouse	gas emissions	700,000				Off Document	Is Confidential?	
Net revenue used to calculate GHG inten	sity	32,000	-	22,000	15,000	Fact Value	1,100,000	~
Net revenue other than used to calculate	GHG intensity	35,000		26,000	17,000	Foot Note	11100,000	0 :0
Percentage of market-based Scope 2 GHC to purchased electricity bundled with inst		42		31	26			



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#### **Transparency – Enabling Drilldowns To Data Source**

#### ESRS El Climate change:

		_	
Metric	Current Year	LINE-ITEM [ORIGIN]	×
Gross Scope 3 greenhouse gas emissions	1,100,000	O Framework	
Total location-based greenhouse gas emissions	425,000	CSRD	
Total market-based greenhouse gas emissions	305,000	- YEAR 2023	
Gross Scope 1 greenhouse gas emissions	90,000	YEAR 2022	
Gross location-based Scope 2 greenhouse gas emissions	500,000	1,200,000	
Gross market-based Scope 2 greenhouse gas emissions	700,000	O YEAR 2021	
Net revenue used to calculate GHG intensity	32,000	- 1,300,000	
Net revenue other than used to calculate GHG intensity	35,000	- O Base Value 1,500,000	
Percentage of market-based Scope 2 GHG emissions linked to purchased electricity bundled with instruments	42	GHG EMISSIONS	
Percentage of contractual instruments used for sale and purchase of energy bundled with attributes about energy generation in relation to Scope 2 GHG emissions	36	O Unit Metric Tonne	
Percentage of contractual instruments used for sale and purchase of unbundled energy attribute claims in relation to Scope 2 GHG emissions	38	- Variance -R 33%	

#### **Disclosure of GHG emissions**









## **Enabling Tagging Automation** with Al







#### Leveraging AI & ML for Auto-tagging







#### **AI-Enabled Tagging with Peer Suggestions**











#### Dual-language Reporting – Reapply Tags Between Languages



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💰 🦉 🔁 🖽 🕂 🖆 📑 💶 🔒 Text Cas C	ell Bor •	Column •	Table Bo		
		IDATO			
CONTO ECONOMICO CO	JNSOI				
(in milioni di Euro)					
(in millioni di Euro)	Nota	2024	di cui	2023	di cui
			parti		parti
			correlate		correlate
Ricavi	17	17,026		15,354	
Variazione delle rimanenze dei prodotti finiti e	18	22		52	
in lavorazione					
Altri proventi	19	117	-	70	6
Totale ricavi e proventi		17,165		15,476	
Materie prime, materiali di consumo e merci	20	10,762		9,705	
Variazione fair value derivati su prezzi materie		19		6	
prime					
Costi del personale	21	1,965	14	1,804	13
Ammortamenti, svalutazioni e ripristini	22	509		574	
Altri costi	23	2,783	6	2,572	7
Risultato in società valutate con il metodo del patrimonio netto	24	41	41	33	33
Risultato operativo		1,206		860	
Oneri finanziari	25	1,036		1,093	
Proventi finanziari	26	811		997	
Risultato prima delle imposte		981		764	
Imposte sul reddito	27	233		217	
Risultato netto		748		547	

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#### **Automated Multilingual Tagging**

IXBRL IXBRL								
							Fact Property	
							© K ∞	~ 1
	ONSOL	IDATO					Revenue From Contracts With Customers	
(in milioni di Euro)								
	Nota	2024	di cui parti correlate	2023	di cui parti correlate		□ 2024-01-01 to 2024-12-31	
Ricavi	17	17,026		15,354				
Variazione delle rimanenze dei prodotti finiti e	18	22		52			(O) Dimension	
in lavorazione Altri proventi	19	117	-	70	6		Θ	
Totale ricavi e proventi	12	17,165		15,476			Ð	
Materie prime, materiali di consumo e merci Variazione fair value derivati su prezzi materie prime	20	10,762 19		<u>9,705</u> <u>6</u>			Scale Millions Format Dot fraction separa	
Costi del personale Ammortamenti, svalutazioni e ripristini Altri costi	21 22 23	1,965 509 2,783	<u>14</u> <u>6</u>	1,804 574 2,572	13		Is Negative? Assign N	
Risultato in società valutate con il metodo del patrimonio netto	24	41	<u>व</u> <u>या</u>	33	7		Off Document Is Confid	
Risultato operativo		1,206		860				cillan
Oneri finanziari	25	1,036		1,093			<b>6</b> Fact Value 17.026	
Proventi finanziari Risultato prima delle imposte	26	811 981		997 764			• Fact Value 17,026	
Imposte sul reddito	27	233		217			C Freehler	
Risultato netto	21	748		547			Foot Note	
Di cui: - attribuibile ai soci di minoranza	_	746		18				
- di competenza del Gruppo		729		529				
Utile/(Perdita) per azione base (in Euro)	28	2.59		1.94				





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### Thanks for your attention

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