

Energy efficiency

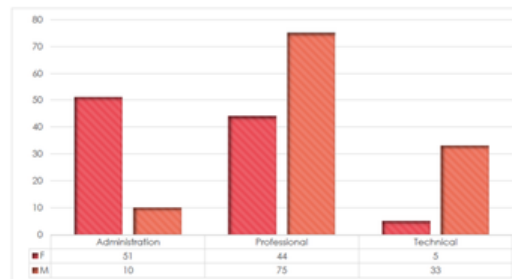
By 2024, energy performance had improved by 63.9% since the baseline.



If energy performance is maintained at this level for another 6 years, the efficiency target will be achieved.



NSAI Headcount Breakdown by Gender and Grade Category



National Standards Authority of Ireland (NSAI)

Sustainability Report

2024

Prepared in accordance with the Voluntary
Sustainability Reporting Standard for small and
medium-sized undertakings (VSME), released by the
European Commission on 30 July 2025.

Document Information

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All disclosures are related to the reporting period above unless specified otherwise.

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[B01.000] - General information - Basis for Preparation

Basis for preparation (Basic Module Only or Basic & Comprehensive Module)

Option B (Basic Module and Comprehensive Module)

Basis for reporting (consolidated or individual basis)

Sustainability report prepared on an individual basis

Report contains disclosures from the previous reporting period that remain unchanged

False

Undertakings legal form

other (please specify the legal form in the row below)

Other undertaking's legal form

The National Standards Authority of Ireland

NACE sector classification codes

NACE P - 84.11 General public administration activities

Size of balance sheet (total assets)

€ 9,600,000.00

Turnover

€ 35,000,000.00

Number of employees

231.00

Employee counting methodology

At the end of the reporting period

Type of number of employees

Headcount

Country of primary operations and location of significant assets

Ireland

Description of sustainability-related certification(s) or label(s)

“ISO 50001 Energy Management Systems; certification by BSI, awarded November 2024. My Green Lab certification for NSAI's National Metrology Laboratory (NML), 2023.”

[B01.100] - General information - List of subsidiaries

Identifier of the subsidiary	2024-01-01 – 2024-12-31	
	Name of the subsidiary	Registered address of the subsidiary
1	Not including NSAI Inc (wholly-owned subsidiary, not-for-profit, in the U.S.). This report is limited to NSAI information only (excepting where data for NSAI and NSAI Certification UK Limited are intertwined and stated as such).	

[B01.200] - General information - List of sites

Identifier of site	2024-01-01 – 2024-12-31				
	Address of site	Postal code of site	City of site	Country of site	GPS Location of site
1	NSAI Head Office, 1 Swift Square, Northwood, Santry, Dublin 9	D09 A0E4	Dublin	Ireland	53.403546651215784, -6.257914682665814
2	NSAI National Metrology Laboratory (NML), Griffith Avenue Extension, Glasnevin, Dublin 11	D11 E527	Dublin	Ireland	53.38018620151537, -6.272082715312599
3	NSAI Legal Metrology, IDA Industrial Estate 11, Poppintree, Dublin 11	D11 DV70	Dublin	Ireland	53.403053972245104, -6.290840889785391
4	NSAI Legal Metrology, IDA Business Park, Coe's Road, Dundalk, Co Louth	A91 EY29	Louth	Ireland	54.00450531519804, -6.375462022589111
5	NSAI Legal Metrology, Finisklin Industrial Estate, Sligo	F91 W314	Sligo	Ireland	54.278388492498074, -8.499108440684742
6	NSAI Regional Office and NSAI Legal Metrology, Ballybrit Business Park, Ballybrit, Galway	H91 NX52	Galway	Ireland	53.28768107891649, -8.987424100977293
7	NSAI Regional Office and NSAI Legal Metrology, Plassey Technology Park, Castletroy, Limerick	V94 X6X0	Limerick	Ireland	52.67266797996443, -8.55267000331881
8	NSAI Legal Metrology, Rossa Avenue, Bishopstown, Cork	T12 YA37	Cork	Ireland	51.88573508405553, -8.532363769959943
9	NSAI Legal Metrology, IDA Industrial Estate, Northern Extension, Cork Road, Waterford	X91 HD59	Waterford	Ireland	52.255213992015065, -7.1454751987237985

Identifier of site	2024-01-01 – 2024-12-31				
	Address of site	Postal code of site	City of site	Country of site	GPS Location of site

[B02.000] - General information - Practices, policies and/or future initiatives for transitioning towards a more sustainable economy

Sustainability issues addressed by practice, policy and/or future initiative

Climate change

Pollution

Water and marine resources

Biodiversity and ecosystems

Circular economy

Own workforce

Consumers and end users

Business conduct

Practice, policy and/or future initiative is publicly available

True

Undertaking has set a target which is related to a policy

True

[B03.000] - Environment - Total Energy Consumption

Total energy consumption

1,585.40 MWh

[B03.100] - Environment - Breakdown of energy consumption

	2024-01-01 – 2024-12-31		
	MWh		
	Total renewable and non-renewable energy	Renewable energy	Non-renewable energy
Energy consumption from electricity	759.00		759.00
Energy consumption from self-generated electricity	0.00		0.00
Energy consumption from fuels	826.40		826.40

[B03.200] - Environment - Estimated Greenhouse Gas Emissions

	2024-01-01 – 2024-12-31
	tCO2e
	Currently stated
Gross Scope 1 greenhouse gas emissions	163.70
Gross location-based Scope 2 greenhouse gas emissions	199.60
Total (gross) location-based Scope 1 and Scope 2 GHG emissions	363.30

[B03.300] - Environment - Greenhouse Gas Emissions intensity

Location-based Scope 1 and Scope 2 Greenhouse Gas Emissions intensity

0.0000104 tCO₂e per €

[B05.100] - Environment - Biodiversity - on Land-use

Total sealed area

14,120.00 m²

Total nature oriented area on-site

9,536.00 m²

Total nature oriented area off-site

0.00 m²

Total use of land

23,656.00 m²

[B06.000] - Environment - Water Withdrawal

Total amount of water withdrawn from all sites

869.00 m³

Amount of water withdrawn at sites located in areas of high water-stress

0.00 m³

[B07.000] - Environment - Description of circular economy principles

Undertaking applies circular economy principles

YES

Description of how circular economy principles are applied

“

Circular economy principles are applied, particularly in terms of waste management at all sites, and including food waste segregation to brown bin at staff canteen in NSAI HQ, Swift Square, Santry, Dublin 9. Waste Electrical and Electronic Equipment (WEEE) waste material is also sent to a separate recycling collection.

”

[B07.100] - Environment - Breakdown of waste by type

Type of waste	2024-01-01 – 2024-12-31					
	kg					
	Waste diverted to recycle or reuse (volume)	Waste diverted to recycle or reuse (mass)	Waste directed to disposal (volume)	Waste directed to disposal (mass)	Total waste recycled, reused and directed to disposal (volume)	Total waste recycled, reused and directed to disposal (mass)
15 01 06 - Non-Hazardous - Mixed packaging		5,740.00		0.00		5,740.00
20 01 08 - Non-Hazardous - Biodegradable kitchen and canteen waste		660.00		0.00		660.00
20 03 01 - Non-Hazardous - Mixed municipal waste		0.00		12,346.00		12,346.00
20 03 07 - Non-Hazardous - Bulky waste		0.00		5,620.00		5,620.00

[B07.200] - Environment - Total Hazardous and Non-Hazardous waste

Total Hazardous waste generated (mass)

0.00 kg

Total Non-Hazardous waste generated (mass)

24,366.00 kg

Total waste generated (mass)

24,366.00 kg

Total Hazardous waste generated (volume)

0.00 m³

Total Non-Hazardous waste generated (volume)

0.00 m³

Total waste generated (volume)

0.00 m³

[B08.000] - Social - Workforce - General characteristics: type of contract

Number of permanent contact employees

223.00

Number of temporary contract employees

8.00

[B08.100] - Social - Workforce - General characteristics: gender

Number of male employees

127.00

Number of female employees

104.00

**[B08.200] - Social - Workforce - General characteristics:
country of employment**

Country of employment contract	2024-01-01 – 2024-12-31
	Number of employees for country of employment contract
United Kingdom of Great Britain and Northern Ireland	7.00
Ireland	224.00

[B08.300] - Social - Workforce - General characteristics: turnover rate

Employee turnover rate

11.21 %

[B09.000] - Social - Workforce - Health and safety

Number of recordable work related accidents in the reporting period

1.00

Rate of recordable work related accidents in the reporting period

0.43

Number of fatalities as a result of work-related injuries and work-related ill health

0.00

[B10.000] - Social - Workforce - Remuneration, collective bargaining and training

Employees receive pay equal or above minimum wage determined by national law or collective bargaining agreement

YES

Percentage gap in pay between female and male employees

12.80 %

Percentage of employees covered by collective bargaining agreements

100.00 %

Average number of annual training hours per male employee

20.00

Average number of annual training hours per female employee

20.00

Average number of annual training hours per other gender employee

0.00

Average number of annual training hours per non-reported gender employee

0.00

[C01.000] - General information - Strategy: Business Model and Sustainability – Related Initiatives

Description of significant groups of products and/or services offered

NSAI is a public body, a state agency established under legislation and including a range of services that support business and trade in Ireland. NSAI provides a public service and also an element of commercial services. National standards body for the development of standards for products and services. Calibration service for business and trade - National Metrology Laboratory. Conformity assessment, agrément, and verification and certification of products and processes. Legal Metrology Services within NSAI is the state service to ensure accuracy in measurement for the customer in the market-place, as a 'public good'.

Description of significant market(s) the undertaking operates in

Business to business (B2B), Ireland and globally.

Description of main business relationships (e.g. key suppliers, customers distribution channels)

Services provider to business customers. Some services delivered by contractors. NSAI Standards is responsible for the development of Irish Standards, representing Irish interests in the work of the European and International standards bodies CEN and ISO, and for the publication and sale of Irish Standards. NSAI Certification creates, maintains and promotes accredited certification of products, services and organisations for compliance with recognised standards, from business management systems to product approvals. NSAI Legal Metrology Services upholds and enforces accuracy and transparency in trade measures by certifying and inspecting measuring instruments used by traders and by inspecting pre-packaged goods to ensure correct quantity. NSAI National Metrology Laboratory maintains national measurement standards for a range of physical quantities. These standards represent the best available representations, in Ireland, of the internationally agreed units of measurement.

Description of key elements of strategy that relates to or affects sustainability issues

“

NSAI's Strategic Plan 2022-2026 places sustainability as one of its key priorities for the period, including a number of projects under Strategic Project 3, including the establishment of a Green Team and a Climate Action and Sustainability Centre of Excellence. NSAI's Climate Action Roadmap sets out NSAI's goal to be a climate action and sustainability exemplar: internally, in how it does business, and externally: in how it supports business and trade.

”

[C02.000] - General information - Description of practices, policies and/or future initiatives for transitioning towards a more sustainable economy

Description of practices, policies and/or future initiatives

“NSAI Climate Action Roadmap, as required by the Government of Ireland's national Climate Action Plan, published to NSAI website. Green Public Procurement in line with Government of Ireland green public procurement requirements. NSAI Energy Policy P-OO-09, dated 8th July 2024. NSAI runs Reduce Your Use Campaigns during the late autumn, winter and early spring months to encourage good practices amongst employees to reduce electricity and heating use within NSAI's buildings. In the medium-term, and resources permitting, NSAI is planning to implement ISO 14001 Environmental Management System.”

Most senior level within its employees that is accountable for policies

“CEO and Executive Management Team (EMT) level including Sustainability Champion and an Energy Performance Officer, both at Director level within the senior management team.”

Description of the target of practices, policies or future initiatives

“2030 targets for energy efficiency and greenhouse gas emissions reductions, under national Climate Action Plan, Public Sector Climate Action Mandate, and NSAI Climate Action Roadmap. NSAI's core mandatory public sector 2030 targets are to reduce greenhouse gas emissions by 51% from 2016-2018 baseline and improve energy efficiency by 50% from 2009 baseline (100).”

[C03.000] - Environment - Greenhouse Gas Emissions Reduction Baseline and Target Year

Greenhouse gas emission reduction target base year

2017

Greenhouse gas emission reduction target year

2030

[C03.100] - Environment - Greenhouse Gas Emission Reduction Targets

	tCO2e	
	Baseline year	Target year
	2017	2030
Gross Scope 1 greenhouse gas emissions	187.90	92.07
Gross location-based Scope 2 greenhouse gas emissions	303.19	148.56
Total (gross) location-based Scope 1 and Scope 2 GHG emissions	491.09	240.63

[C03.200] - Environment - Disclosure of list of main actions the entity seeks to achieve its targets

Disclosure of list of main actions the entity seeks in order to achieve its targets

“Finalised figures for 2023 show that NSAI had already exceeded its 2030 energy efficiency target. From the 2009 baseline to 2023, NSAI improved energy performance by 62% and reached an Energy Performance Indicator (EnPI) figure of 38%, below the 50% target. Data for year end 2024, show that NSAI energy performance improved by 63.9% since the baseline. NSAI set and achieved objective to obtain ISO 50001 Energy Management Systems certification in 2024. NSAI's medium-term plan is to improve energy efficiency of the National Metrology Laboratory building, resources permitting.”

[C05.000] - Social - Additional (general) workforce characteristics

Female-to-male ratio at management level for the reporting period

1.08

Total number of self-employed workers without personnel that are working exclusively for the undertaking

0.00

Total number of temporary-workers provided by undertakings primarily engaged in employment activities

13.00

[C06.000] - Social - Additional own workforce information - Human rights policies and processes

Undertaking has a code of conduct or human rights policy for its own workforce

YES

Type of content covered by the code of conduct or human rights policy for its own workforce

Child labour

Forced labour

Human trafficking

Discrimination

Accident prevention

Other content

Specification other types of content covered by the code of conduct or human rights policy

Anti-Fraud and Anti-Corruption Policy

Undertaking has a complaint handling mechanism for its own workforce

YES

[C07.000] - Social - Severe negative human rights incidents

Undertaking has confirmed human rights incidents in its own workforce

NO

Undertaking aware of any confirmed incidents involving workers in the value chain, affected communities, consumers and end-users

NO

[C08.100] - Governance - Exclusion from EU benchmarks

Undertakings are excluded from any EU reference benchmarks that are aligned with the Paris Agreement

NO

[C09.000] - Governance - Gender diversity ratio in the governance body

Gender diversity ratio in governance body

0.86

[D99.000] - Other and/or entity specific information

Disclosure of any other environmental and/or entity specific environmental disclosures

Note 1: re. disclosures at B1 and B5 - Sites in biodiversity sensitive areas: whilst NSAI's Dundalk premises is not in or near any biodiversity sensitive areas, in terms of the EFRAG VSME Standard's definition of 'near', it is within walking distance of Dundalk Bay (approximately 400m away) which is a protected area under European Union SAC, SPA, and RAMSAR designations. Note 2: figures for disclosure B5 - Biodiversity - Land-use are estimated using Google Maps open source online area measurement tool. Note 3: the period 2016-2018 is the baseline for NSAI's 2030 GHG emissions total CO₂ target of 240,628 kgCO₂ for Scope 1 and 2 emissions from heating fuels and purchase of electricity; '2017' is selected (as representative only) to fit the framework of the EFRAG VSME digital template. Note 4: re. disclosure at B7 Waste above, the 5620kg of 20 03 07 Non-hazardous - Bulky waste, took the form of skip hire for NSAI buildings at its NML (Glasnevin) and Poppintree.

Disclosure of any other social and/or entity specific social disclosures

Note 5: as of December 2024, NSAI's overall gender profile was Female 45% and Male 55%. NSAI head-count break-down by gender and grade category, as of December 2024, was published to the NSAI website in its NSAI Gender Pay Gap Report 2024. All staff are paid above the national minimum wage; and the Public Service Agreement 2024-26 applies to all staff.

Disclosure of any other governance and/or entity specific governance disclosures

Note 6: this is a voluntary sustainability or broader environmental, social and governance (ESG) report in line with the EFRAG Voluntary Sustainability Reporting Standard for non-listed SMEs (VSME), (December 2024), for undertakings that fall outside the scope of the EU Corporate Sustainability Reporting Directive (CSRD) Directive, (EU) 2022/2464. Note 7: further to Note 6, NSAI fulfills separate mandatory reporting requirements on energy management performance, greenhouse gas emissions, and implementation of the Government of Ireland's national Public Sector Climate Action Mandate. Note 8: the development of this sustainability and ESG report to the EFRAG VSME standard was led and co-ordinated by NSAI's Climate Action and Sustainability Centre of Excellence, a strategic unit working on a horizontal basis across the organisation, with inputs into the reporting and support from a cross-section of divisions and units of NSAI.

This report contains 146 XBRL facts (generated from 146 unique input facts).