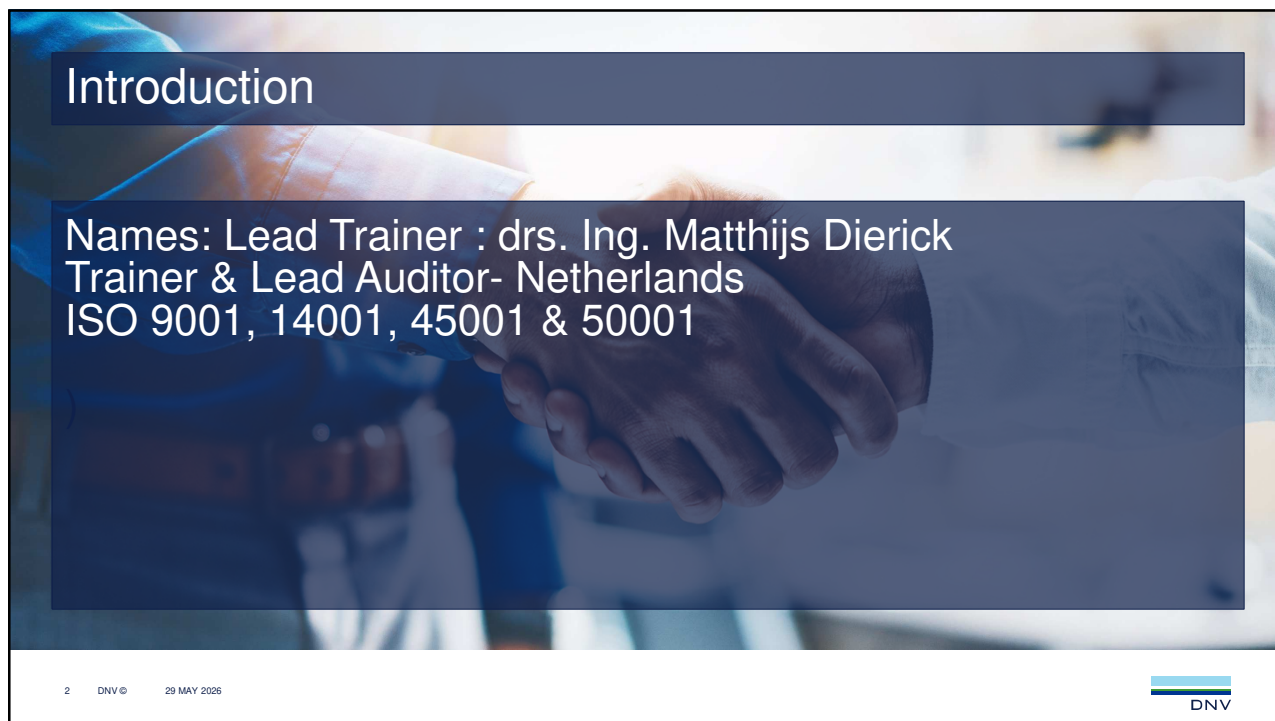


WHEN TRUST MATTERS

# Certification Process for ISO 50001: 2018

Drs ing Matthijs Dierick, Principal Trainer & Lead Auditor  
29 May 2026


1



## Introduction

Names: Lead Trainer : drs. Ing. Matthijs Dierick  
Trainer & Lead Auditor- Netherlands  
ISO 9001, 14001, 45001 & 50001

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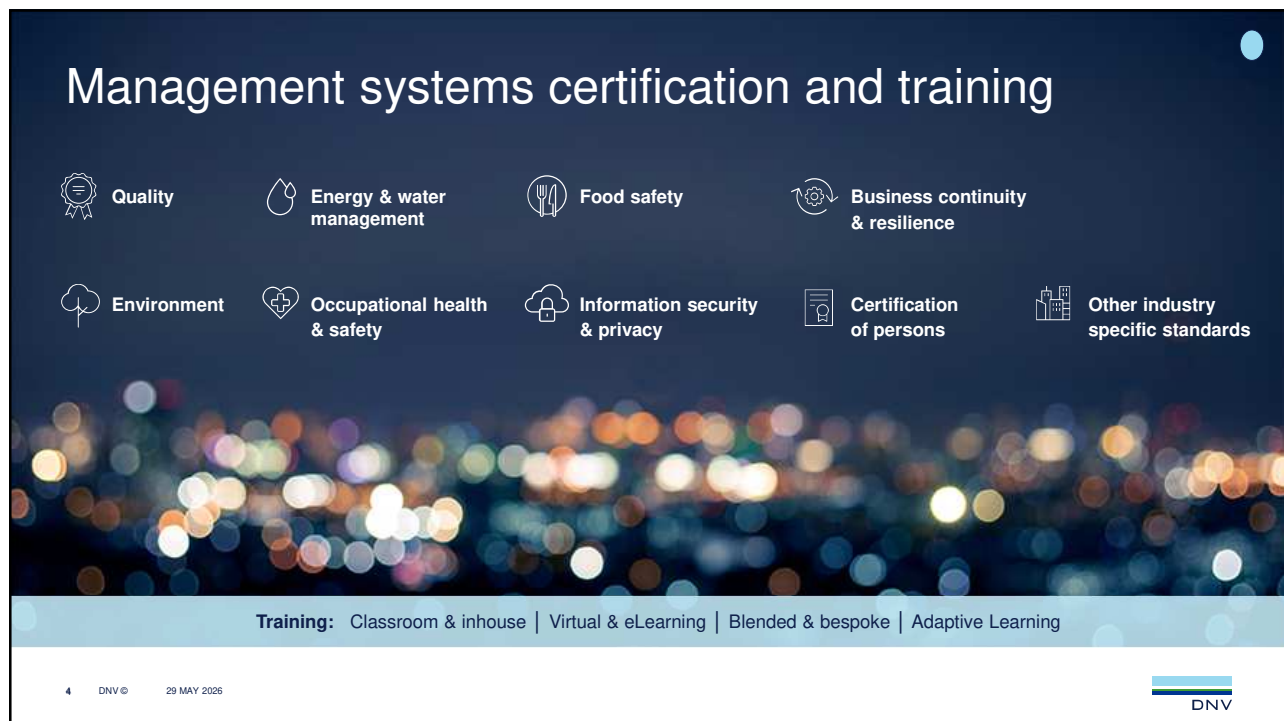
## A world leading certification body and innovative training provider

<b>80,000</b> Customers in more than 180 countries.	<b>90,000</b> Management system certificates.	<b>10,000</b> Food and beverage companies partner with us to ensure safety and sustainability.	<b>3,000</b> Automotive and aerospace companies partner with us to ensure quality safety.	<b>2,500</b> ICT and telecommunication companies partner with us to ensure data security and business continuity.
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## Management systems certification and training

- Quality
- Energy & water management
- Food safety
- Business continuity & resilience
- Environment
- Occupational health & safety
- Information security & privacy
- Certification of persons
- Other industry specific standards

**Training:** Classroom & inhouse | Virtual & eLearning | Blended & bespoke | Adaptive Learning

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## Accreditation and certification

ACCREDITATION BODY (e.g. UKAS, RvA)

CERTIFICATION BODIES (e.g. DNV)

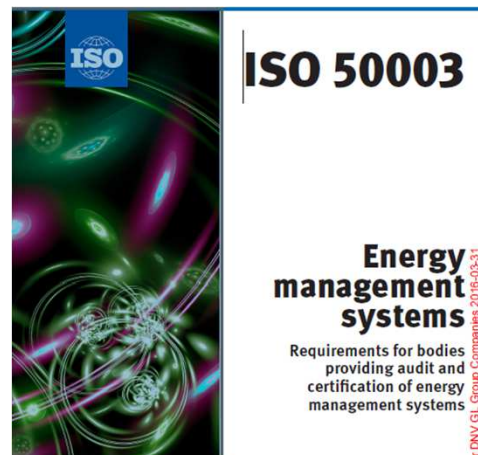
ORGANISATIONS

SUPPLIERS

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## Before talking about certification and ISO 50001: 2018

- Different from other Management system certification(s) (ISO 17021) for ISO 50001 there are additional requirements for the certification body.
- Very specific additional requirement (Based on ISO 50003):
- “Energy performance improvement is a unique requirement for an EnMS. Auditors for conformity assessment bodies consider energy performance improvement to be a part of the certification decision”



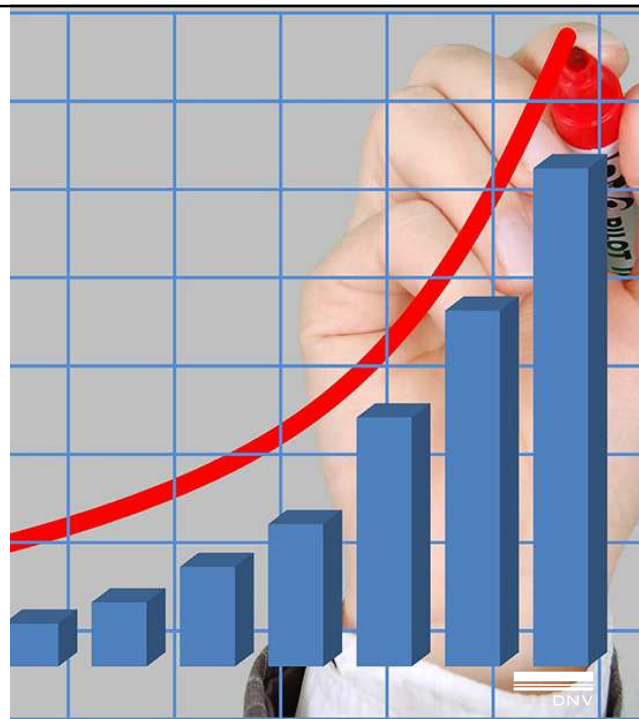
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So: .....

- No Energy performance improvement, no certification



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## What else about ISO 50003?

Audit time: is determined by ISO 50003 based on:

- a) energy sources;
- b) significant energy uses;
- c) energy consumption;
- d) the number of EnMS effective personnel.

Table A.1 — Energy complexity criteria for determination of audit duration

Considerations	Weight	Range	Complexity factor
Annual energy consumption (TJ)	30 %	≤ 200 TJ	1,0
		200 TJ < 2 000 TJ	1,2
		2 000 TJ ≤ 10 000 TJ	1,4
		> 10 000 TJ	1,6
Number of energy sources	30 %	1 to 2 energy sources	1,0
		3 energy sources	1,2
		≥ 4 energy sources	1,4
Number of significant energy uses (SEUs)	40 %	≤ 5 SEUs	1,0
		6 to 10 SEUs	1,2
		11 to 15 SEUs	1,3
		≥ 16 SEUs	1,4

Table A.2 — Level of the EnMS complexity

Complexity value	Level of the EnMS complexity
> 1,35	High
1,15 to 1,35	Medium
< 1,15	Low

Table A.3 — Initial certification minimum audit duration (man-days)

Number of EnMS effective personnel	Complexity		
	Low	Medium	High
1 - 15	3	5	6
16 - 25	4	6	7,5
26 - 65	5,5	7	8,5
66 - 85	6,5	8	9,5
86 - 175	7	9	10
176 - 275	7,5	9,5	10,5
276 - 425	8,5	11	12,5
≥ 426	The certification body may provide for audit duration for a number of EnMS effective personnel exceeding 425. Such duration should follow the progression in this table.		

Considerations	Weight	Range	Complexity factor
The certification body may use additional criteria to those specified in this International Standard. The additional criteria shall be documented and records applying the criteria shall be maintained.			

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## Some other considerations based on the ISO 500043

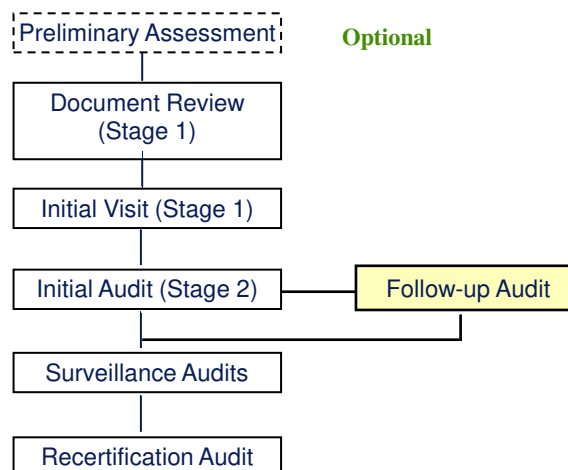
- For Multi site organisations: the methodology for sampling, the size of sampling
- Minimum verification activities (95%)
- Requirements for the audit report
- Requirements for the audit process
- Competence requirements for the auditor(s): general and specific sectors



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## The Certification Process



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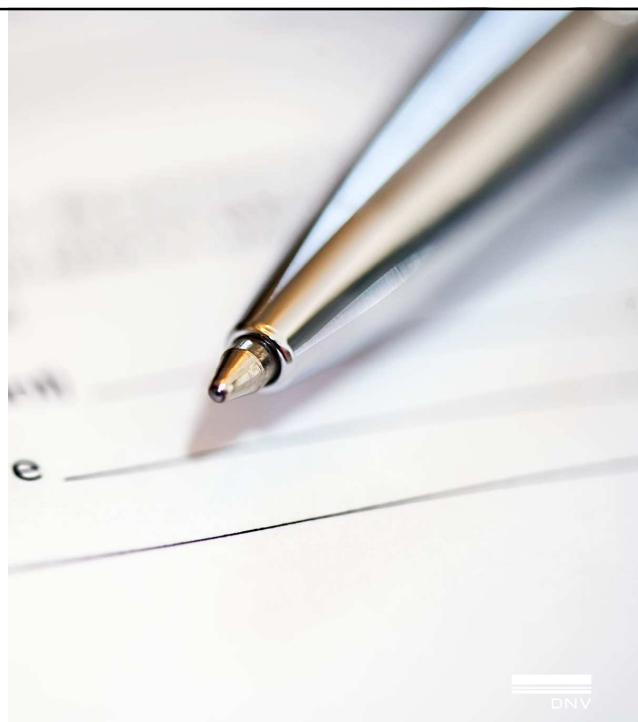
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## The certification process

1. Contract phase
2. Phase 1: Is the organisation ready for the certification audit?
3. Phase 2: Is the EnMS fully implemented:
4. Major NC: no certificate (yet)
5. Minor NC: Certification possible after action plan
6. Annual surveillance audits
7. After 3 years recertification



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## Lumina: insight in Management systems



Quality



Energy & water management



Food safety



Business continuity & resilience



Environment



Occupational health & safety



Information security & privacy



Certification of persons

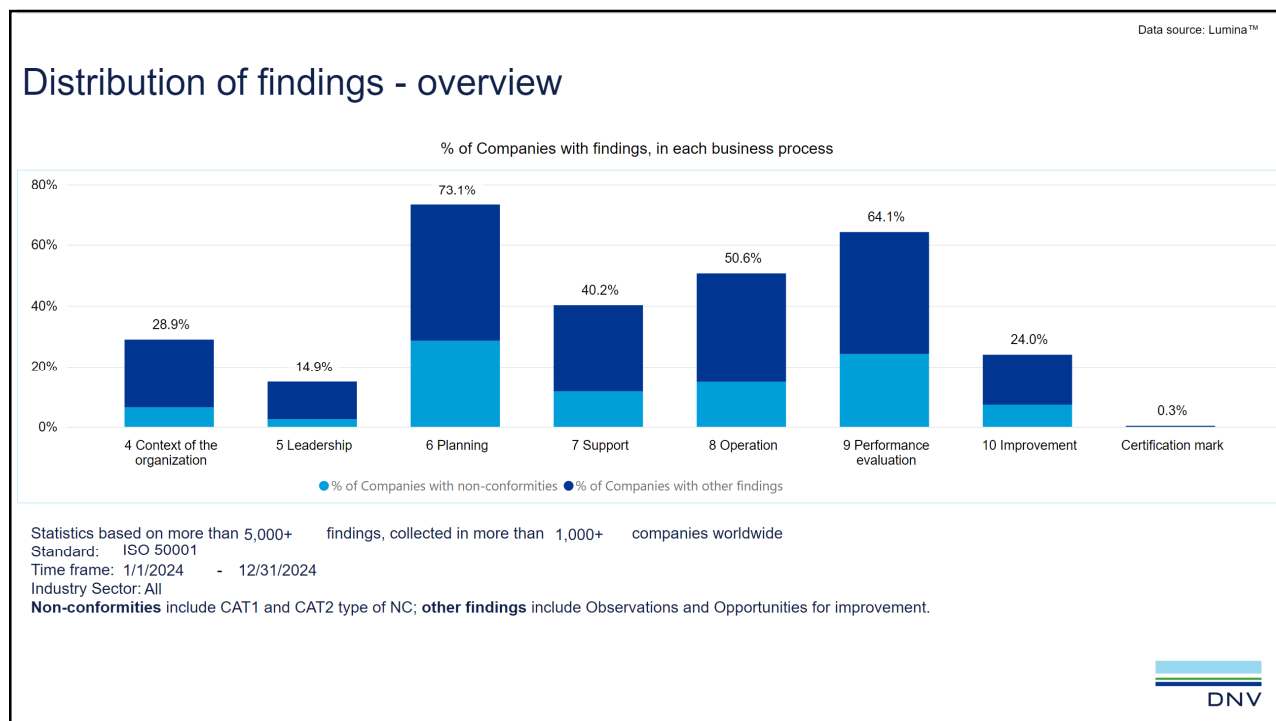


Other industry specific standards

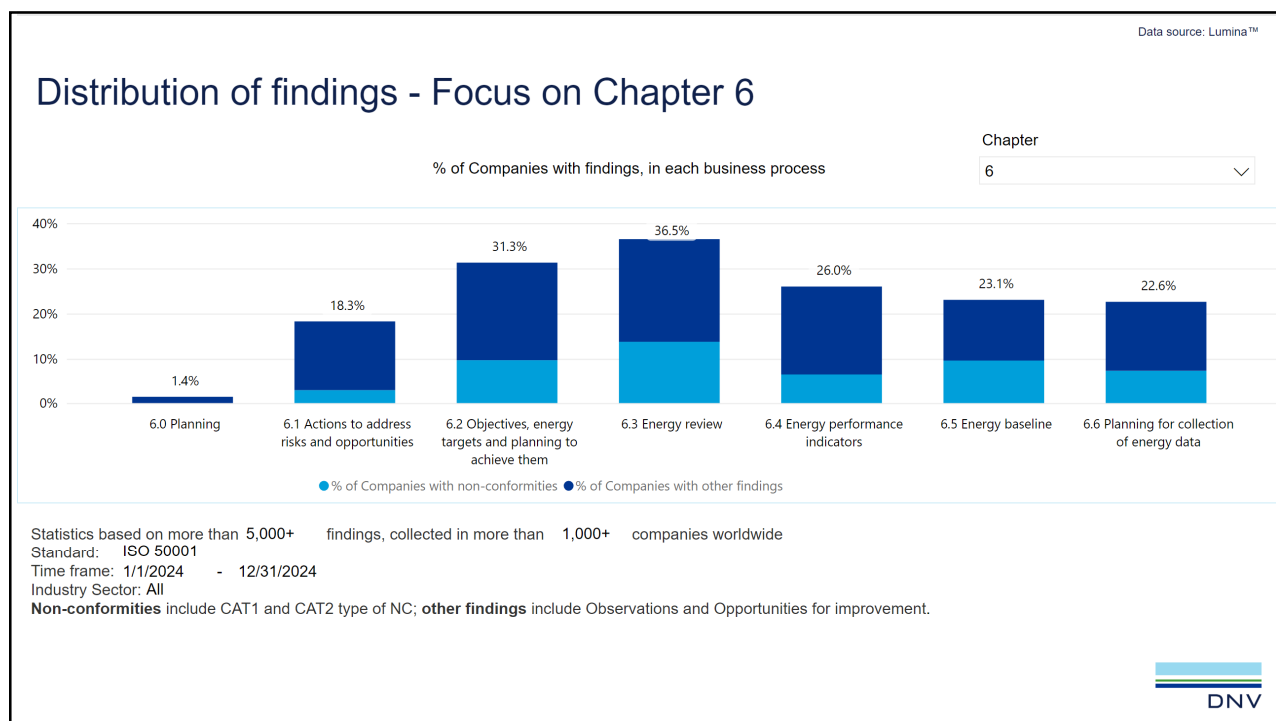
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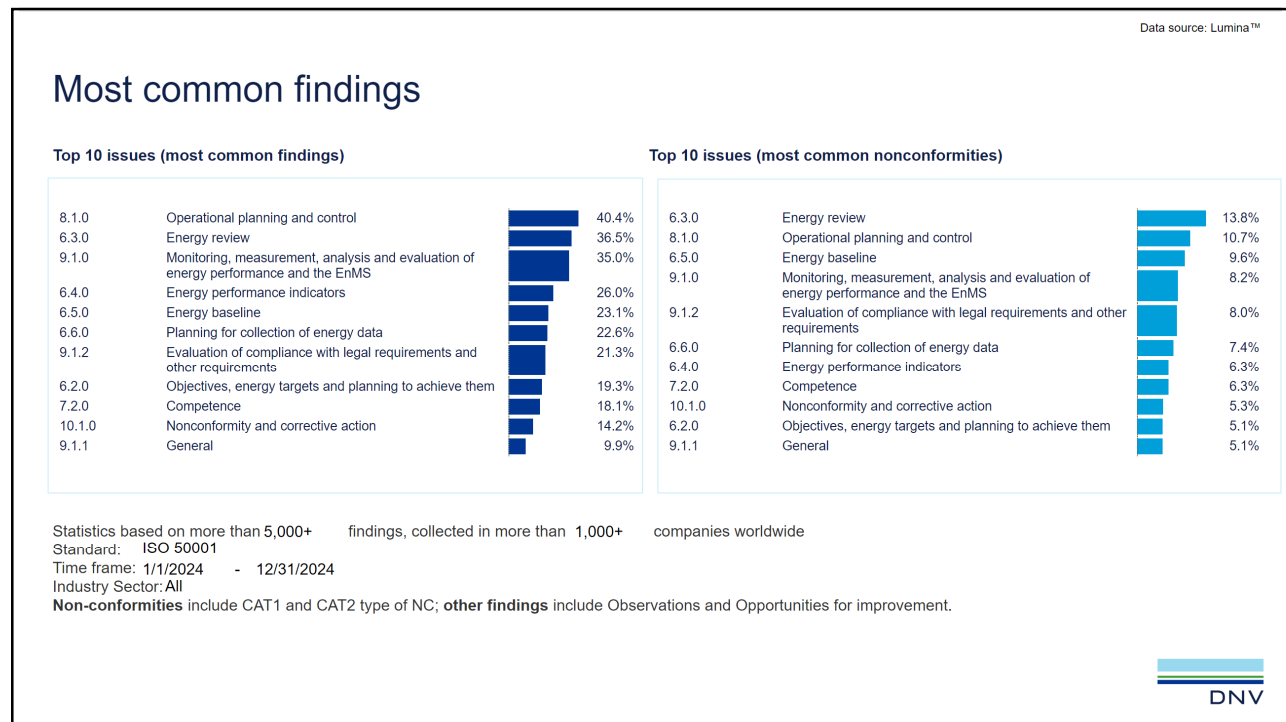
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# Thank you for your attention

## DNV Business Assurance

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16