

## Round Table

# New Energy Efficiency Directive: challenges and opportunities in the Italian Energy audit obligation scheme

*Conference: Energy Audits and Energy Management systems in the Energy Efficiency Directive and beyond*

Antonio Panvini  
Comitato Termotecnico Italiano

# Italian Thermotechnical Committee Energy and Environment

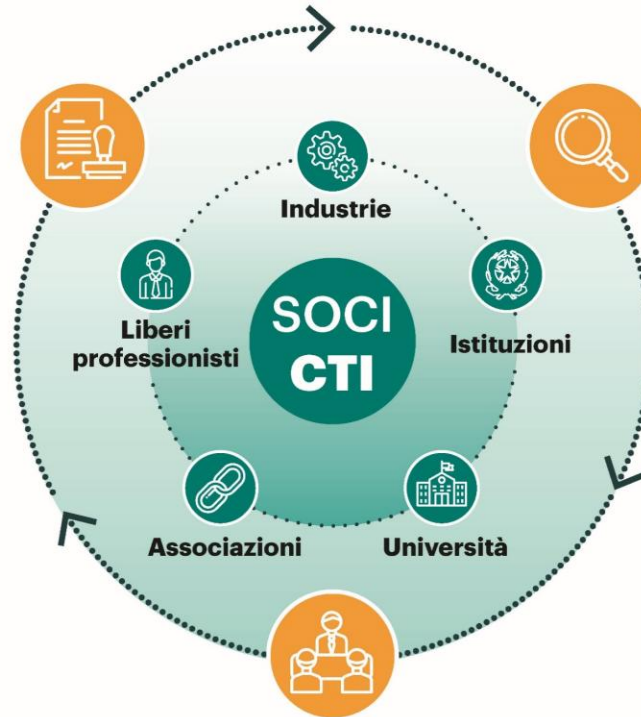


We are a private no-profit association federate to UNI (Italian Standardization Body) and working under UNI coordination to develop national and international standards on energy, energy efficiency and performance, energy sources, and thermotechnic in general.

**Standards are developed by market stakeholders in our technical committees**

## Attività normativa

**Documenti normativi** per UNI e formulazione della **posizione nazionale** in ambito CEN e ISO



## Attività di ricerca

**Progetti** europei e nazionali e **consulenza** tecnica su argomenti specifici

## Attività di supporto tecnico al legislatore

**Pareri e proposte condivise** per Ministeri e Pubblica Amministrazione

## I NUMERI DEL CTI\*

Soci	500
Esperti tavoli nazionali	1.000
Esperti tavoli internanazionali	250
Commissioni Tecniche	40
Riunioni	200
Norme pubblicate	130
Progetti di norma	500

\*valori medi degli ultimi 5 anni

## FORMAZIONE E COMUNICAZIONE

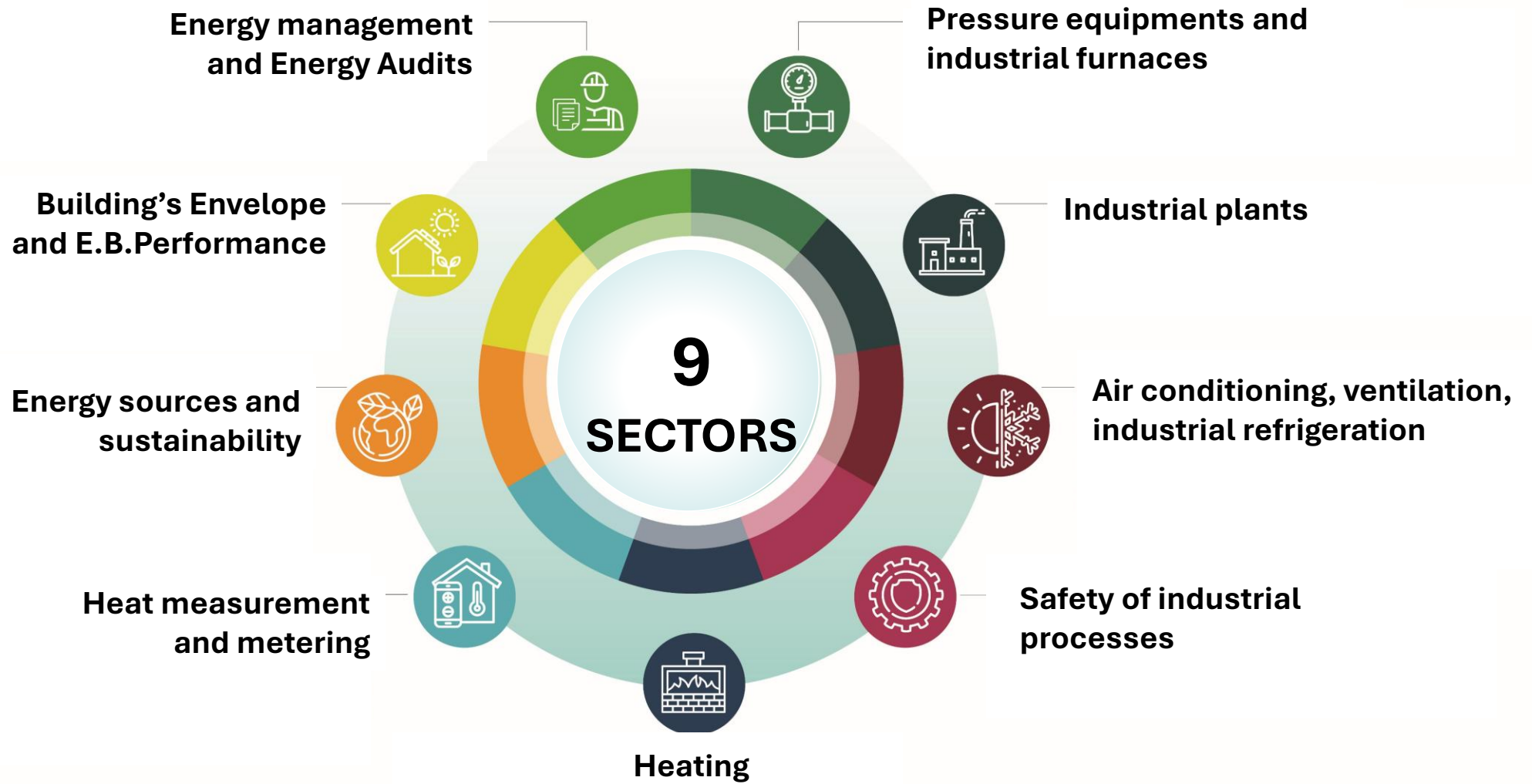
- Corsi online e in aula
- Convegni e webinar
- Rivista "Energia e Dintorni"

## SOCIAL NETWORK

- Twitter
- Linkedin



# Standardization Sectors under CTI



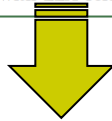
# Energy Efficiency Directives and Standards

14.11.2012 EN Official Journal of the European Union L 315/1

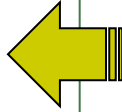
I  
(Legislative acts)


**DIRECTIVES**

**DIRECTIVE 2012/27/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
of 25 October 2012  
on energy efficiency, amending Directives 2009/125/EC and 2010/30/EU and repealing Directives 2004/8/EC and 2006/32/EC**  
(Text with EEA relevance)



- (17) 'European standard' means a standard adopted by the European Committee for Standardization, the European Committee for Electrotechnical Standardization or the European Telecommunications Standards Institute, which is made available for public use;
- (18) 'international standard' means a standard adopted by the International Organization for Standardization, which is made available for public use;



 Official Journal of the European Union EN L series

2024/2002 26.7.2024

**COMMISSION RECOMMENDATION (EU) 2024/2002  
of 24 July 2024  
setting out guidelines for the interpretation of Article 11 of Directive (EU) 2023/1791 of the European Parliament and of the Council as regards energy management systems and energy audits**  
(notified under document C(2024) 5155)

20.9.2023 EN Official Journal of the European Union L 231/1

I  
(Legislative acts)

**DIRECTIVES**

**DIRECTIVE (EU) 2023/1791 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
of 13 September 2023  
on energy efficiency and amending Regulation (EU) 2023/955 (recast)**  
(Text with EEA relevance)

## ISO 50001 FAMILY

Standard ISO	Italian Version	Title
ISO/IEC 13273-1:2015	UNI CEI EN ISO/IEC 13273-1:2016	Energy efficiency and renewable energy sources — Common international terminology — Part 1: Energy efficiency
ISO/IEC 13273-2:2015	UNI CEI EN ISO/IEC 13273-2:2016	Energy efficiency and renewable energy sources — Common international terminology — Part 2: Renewable energy sources
ISO 17741:2016		General technical rules for measurement, calculation and verification of energy savings of projects
ISO 17742:2015	UNI ISO 17742:2015	Energy efficiency and savings calculation for countries, regions and cities
ISO 17743:2016		Energy savings — Definition of a methodological framework applicable to calculation and reporting on energy savings
<b>ISO 50001:2018</b>	UNI CEI EN ISO 50001:2018	Energy management systems — Requirements with guidance for use
<b>ISO 50001:2018/Amd 1:2024</b>		Energy management systems — Requirements with guidance for use — Amendment 1: Climate action changes
ISO 50002:2014		Energy audits — Requirements with guidance for use
ISO 50003:2021	UNI ISO 50003:2022	Energy management systems — Requirements for bodies providing audit and certification of energy management systems
ISO 50004:2020	UNI ISO 50004:2022	Energy management systems — Guidance for the implementation, maintenance and improvement of an ISO 50001 energy management system
ISO 50005:2021	UNI CEI EN ISO 50005:2022	Energy management systems — Guidelines for a phased implementation
ISO 50006:2023		Energy management systems — Evaluating energy performance using energy performance indicators and energy baselines
ISO 50007:2017		Energy services — Guidelines for the assessment and improvement of the energy service to users

## ISO 50001 FAMILY

Standard ISO	Italian Version	Title
ISO/TS 50008:2018		Energy management and energy savings — Building energy data management for energy performance — Guidance for a systemic data exchange approach
ISO 50009:2021	UNI ISO 50009:2022	Energy management systems — Guidance for implementing a common energy management system in multiple organizations
ISO/PAS 50010:2023		Energy management and energy savings — Guidance for net zero energy in operations using an ISO 50001 energy management system
ISO/TS 50011:2023		Energy management systems — Assessing energy management using ISO 50001:2018
ISO 50015:2014	UNI ISO 50015:2015	Energy management systems — Measurement and verification of energy performance of organizations — General principles and guidance
ISO 50021:2019		Energy management and energy savings — General guidelines for selecting energy savings evaluators
ISO/TS 50044:2019	UNI ISO/TS 50044:2022	Energy saving projects (EnSPs) — Guidelines for economic and financial evaluation
ISO 50045:2019	UNI ISO 50045:2022	Technical guidelines for the evaluation of energy savings of thermal power plants
ISO 50046:2019	UNI ISO 50046:2022	General methods for predicting energy savings
ISO 50047:2016		Energy savings — Determination of energy savings in organizations
ISO 50049:2020	UNI ISO 50049:2022	Calculation methods for energy efficiency and energy consumption variations at country, region and city levels

## Ongoing projects

ISO/AWI 22265	Energy measurement and monitoring plan — Design and implementation — Principles for energy data collection
ISO/CD 24492	Energy management systems and energy savings --Decarbonization — Requirements with guidance for use
ISO/DIS 50002-1	<b>Energy audits</b> — Requirements with guidance for use — Part 1: <b>General requirements</b>
ISO/DIS 50002-2	<b>Energy audits</b> — Requirements with guidance for use — Part 2: <b>Buildings</b>
ISO/DIS 50002-3	<b>Energy audits</b> — Requirements with guidance for use — Part 3: <b>Processes</b>

# HOW TO TAKE PART

How to know more about  
how technical standards?

How to participate in the  
bottom-up process of drafting a  
technical standard?

Do you have any proposals to  
help your market grow?

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[cti@cti2000.it](mailto:cti@cti2000.it)

