



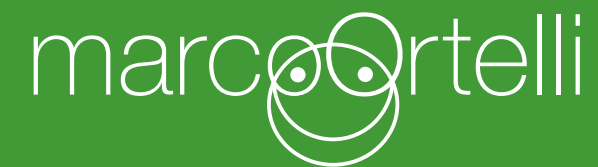
# Preventive Verification

Independent Verification Body

marco rtelli

We are **advocates** for **workers' health** and help companies **ensure safety in professional settings**.

We make professional environments and tools safe by **analysing and assessing the performance of protective equipment**, providing technical training on correct application and **maintenance**, disseminating information and raising awareness on the **culture of protection against risks** caused by superficial assessments.



## Verify

The employer shall ensure that **safety installations** and those **devices** intended for the prevention or elimination of hazards are regularly maintained and their functioning checked.

**Italian legislative decree no. 81 / art. 64**



Maintenance objectives must be defined for a device, such as a chemical fume hood, whose basic purpose is to protect the operator in the handling of chemicals.

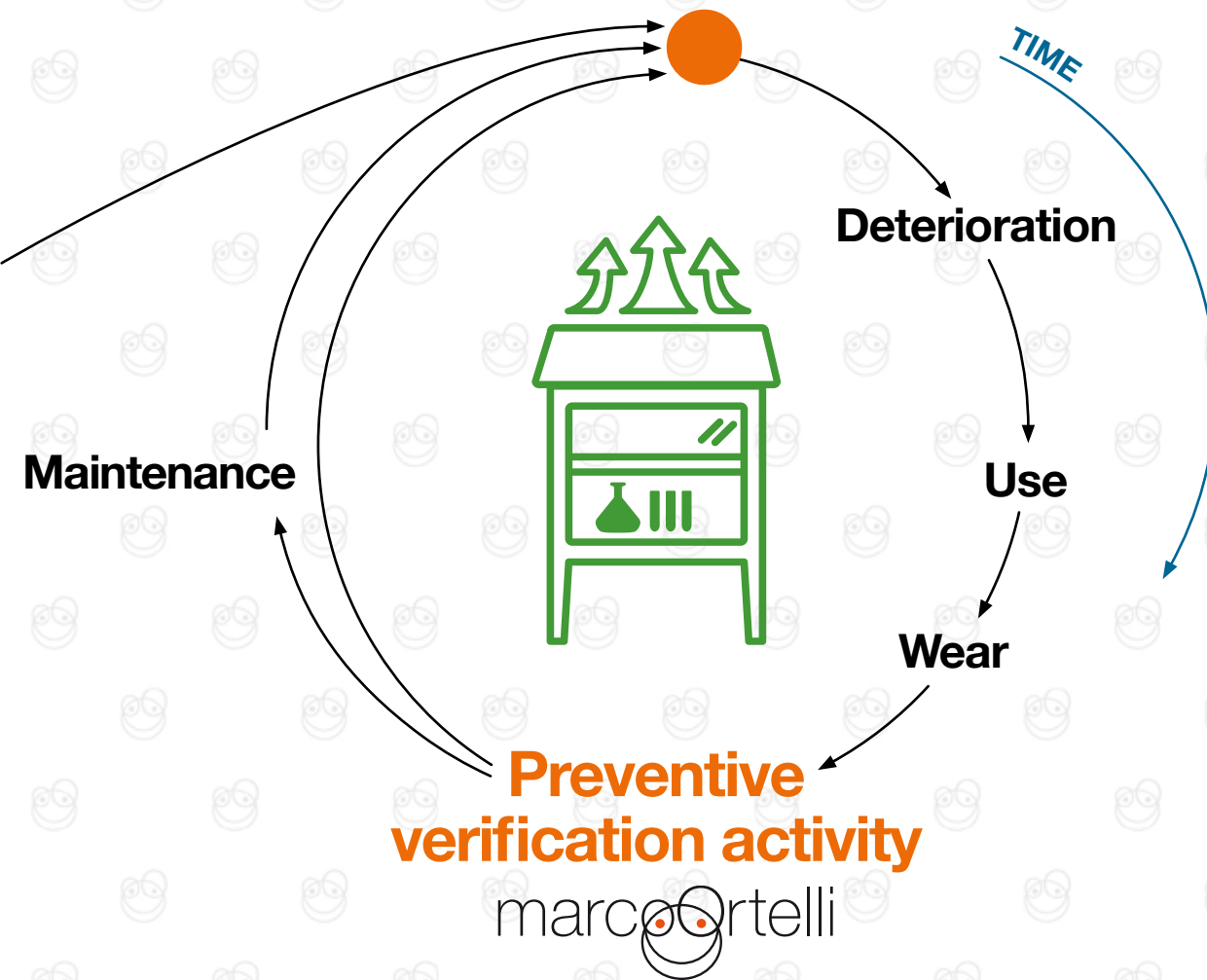
**UNI EN 13306:2018 item 2.3**

It becomes necessary to include a preventive verification of the performances of the device in order to ensure that it keeps the same level of protection over time and during use.

**BEFORE USE**  
**Suitability  
& Compliance**



**DURING USE**



Technical reference standards

**UNI EN 14175:**

**14175 Part 1**

Vocabulary

**14175 Part 2**

Performance and safety  
requirements

**14175 Part 3**

Methods for type-approval testing

**14175 Part 4**

Methods for on-site testing

**UNI/TS 11710**

Criteria of Acceptability

**14175 Parte 6**

Variable air volume fume hoods

**14175 Parte 7**

High temperature and acidic fume  
hoods

## Routine Tests = Guarantee of Operation

**“Are we sure that the device we are using is still working properly?”**

Preventive Verification allows routine tests to be carried out in order to detect the constant and correct operation of the devices, so as to ensure that routine cleaning and maintenance activities are being performed on efficient systems and equipment that guarantee safety despite wear and tear and the passage of time.

The reference standards governing the methodologies and performance criteria are collected in the standards.

**UNI - Ente Nazionale Italiano di Unificazione.**

## Accredia

Accredia is the Single National Accreditation Body designated by the Italian government, in application of European Regulation 765/2008, to certify the competence, independence and impartiality of certification, inspection and verification bodies, and of testing and calibration laboratories. Accredia is a recognised non-profit association under the supervision of the Ministero dello Sviluppo Economico (Italian Ministry of Economic Development).

## Inspection

Examination of an object, conformity assessment and determination of its conformity, based on a professional judgement, with general requirements. The purpose of the inspection is “conformity assessment”, i.e. to demonstrate that the specified requirements have been met. The inspection report shows/photographs the condition of the inspected object at the time the inspection was carried out, in observance of defined specifications or of general requirements

## Inspection Body

The Inspection Body has the task and the responsibility to perform conformity assessments of the inspected items ensuring that the inspection process is carried out with impartiality and independence. The Inspection Body shall possess and maintain the competence and know how necessary to perform inspections.



ISP N° 364 E  
Lab N° 1700

Membro degli Accordi di Mutuo Riconoscimento  
EA, IAF e ILAC

Signatory of EA, IAF and ILAC  
Mutual Recognition Agreement



**Marco Ortell Srl**

Independent Inspection Body

## ISO/IEC 17025

General requirements for the  
competence of testing and  
calibration laboratories.

## ISO/IEC 17020

Conformity assessment.  
Requirements for the operation  
of the various types of bodies  
performing inspections.

## Verification

Examination of the performance of an object on the basis of a professional judgement. The purpose of the Verification is to assess the suitability, i.e. the functioning of the object according to specified requirements, which must be met. The Verification reports and photographs the performance conditions of the object being verified at the time of the Verification in relation to defined criteria and general requirements.

## Testing laboratory

The laboratory accredited in accordance with ISO/IEC 17025 standards offers a “guarantee” service, because the results of analytical tests and calibrations are issued by “competent” laboratories able to “provide valid results”. This allows accredited laboratories to be real points of reference in terms of safety and guarantee for both Companies and Control Bodies. Only laboratories complying with the ISO/IEC 17025 standard and accredited by Accredia can guarantee to provide “technically valid” results in support of the activities carried out by the company, also in the field of ensuring the health and safety of operators, the protection of company assets and operational continuity.



# Preventive Verification

Picture of preservation  
of initial functionality

Preventive Verification  
=  
Active Surveillance



BEFORE USE



DURING USE

- ☒ D.Lgs.81
- ☐ UNI EN 14175-4:2005 p.to 6.3 extracted air volume
- ☒ UNI EN 14175-4:2005 p.to 6.2 frontal speed
- ☒ UNI EN 14175-4.5.2.4 up and down stops
- ☐ UNI EN 14175-4.5.2.5 drag force
- ☒ UNI EN 14175-4.5.2.6 type test compliance
- ☒ UNI EN 14175-4.5.2.7 services
- ☐ UNI EN 14175-4.5.2.8 materials
- ☒ UNI EN 14175-4.5.2.9 correct assembly of parts
- ☒ UNI EN 14175-4.5.2.10 over-pressure panels
- ☐ UNI EN 14175-4.5.2.11 accessibility of parts

# UNI EN13306:2018 Maintenance: Maintenance Terminology

## Specific Activities

### ROUTINE TEST ON SITE (MO-0200)

On fume hoods equipped with type test  
According to UNI EN14175-4:2005

### ROUTINE TEST ON SITE (MO-0201)

On fume hoods not equipped with type test  
According to UNI EN14175-4:2005

## .2 Key Terms

### .2.1 Maintenance

### .2.2 Maintenance Management

### .2.3 Maintenance Goals

Product quality, environmental protection,  
longevity, protection of asset value

## .7 Types of Maintenance

### .7.1 Preventive maintenance

Maintenance performed, intended to assess  
and/or mitigate degradation and reduce the  
probability of failure of an item

## .8 Maintenance activities

### .8.1 Inspection

Examination of conformity by measurement,  
observation or testing of relevant  
characteristics of an item

### .8.2 Condition Monitoring

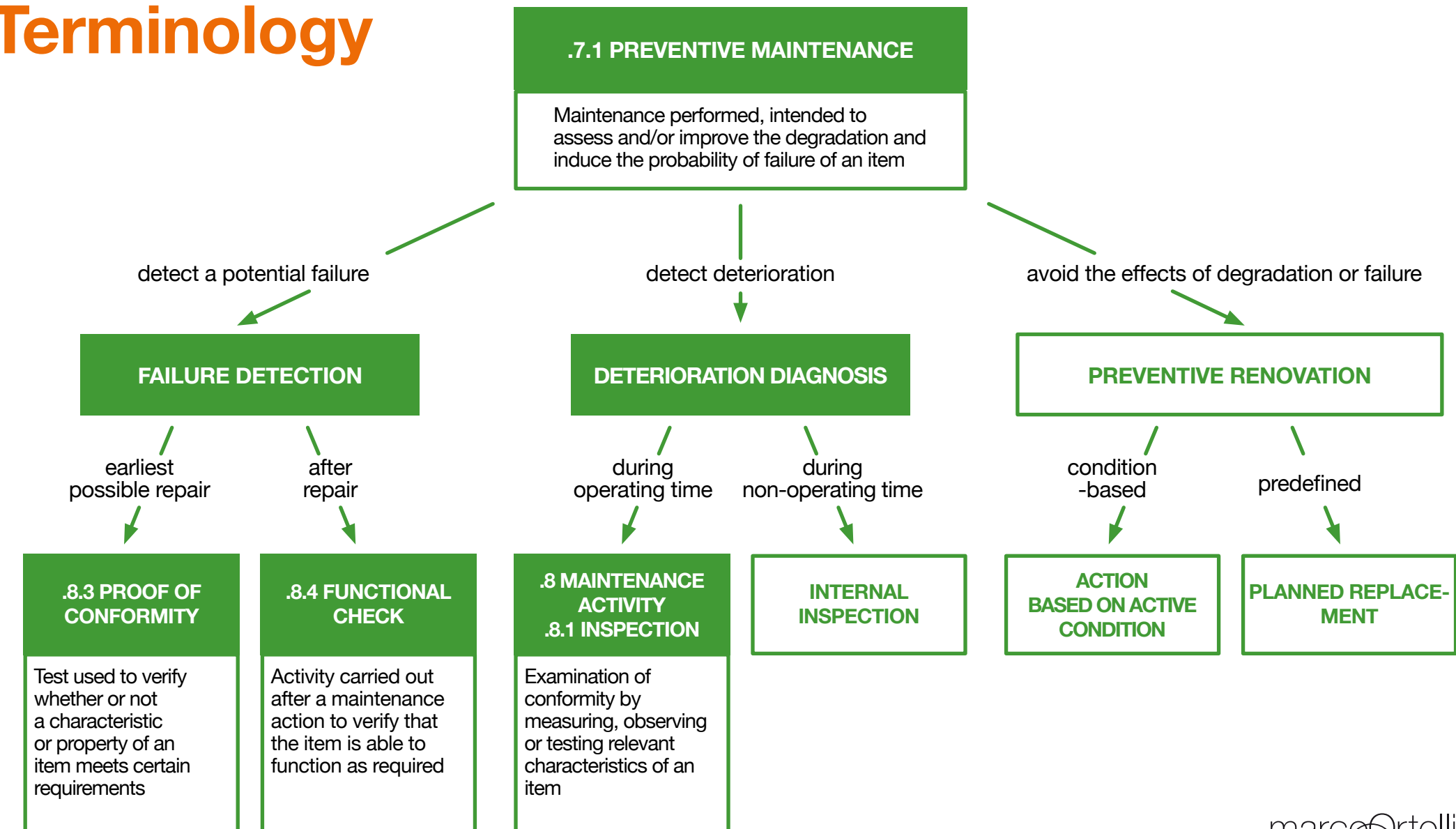
An activity, performed manually or  
automatically, designed to measure at  
specified time intervals the characteristics  
and parameters of the actual physical state  
of an item of equipment

### .8.3 Proof of Conformity

Test used to verify whether or not a  
characteristic or property of an item meets  
certain requirements

### .8.4 Functional check

Activity performed after a maintenance  
action to verify that the entity is able to  
function as required (e.g. after an outage)



# Safety is a Social Value

We care about the health of workers, the tranquillity of users and suppliers. We work alongside companies to ensure safety in the workplace and the effective protection of the equipment they install and use.

We have always had a concept in mind that has become a mission for us: **“Safe through Method”**. We are committed to making professionals more aware of their choices and actions regarding the adoption of protective equipment.

**For us it is essential to know and to make known.**

We like to think that we contribute in creating and spreading Risk Protection Culture, in order to increase awareness about these issues, the correct use of safety devices and the rules governing their application.

The **#riskprotectionculture** concept is a message that the company wants to spread as much as possible to raise awareness among more and more people, workers and professionals about protection, about making sure that safety conditions are in place, that the devices installed and used are compliant and that they are used in the most appropriate way to safeguard people's lives and the environments in which they work and live.

Safety should not be seen as an obligation, as an extra 'expense', it is a **necessity that protects our lives**. It is an investment in greater tranquillity that can prevent major damage and is to all intents and purposes the responsibility of those in charge.

Investing in a safe working environment means in fact, guaranteeing the necessary alignment with legal obligations

by enhancing the company's operational processes and the functioning of the equipment installed and used in the company.

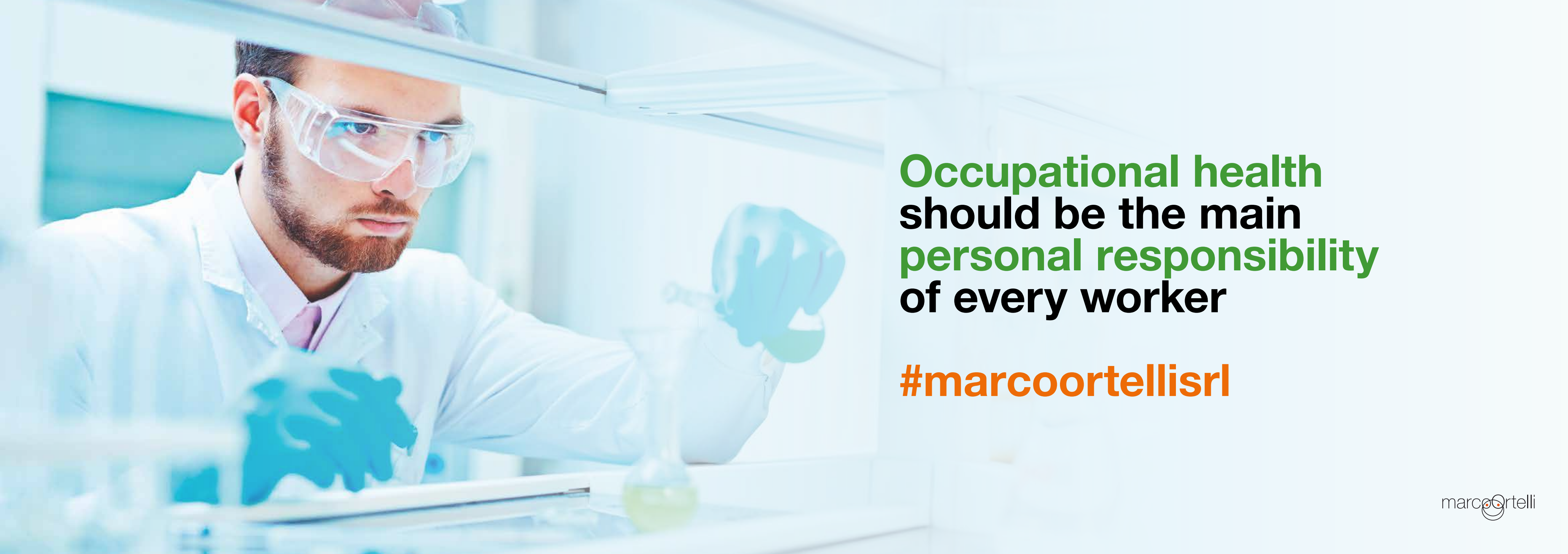
Social empowerment is nowadays a crucial aspect to create trust in your customers, caring about your company's workers is a competitive advantage, not just a moral and legal responsibility. A **company that invests in safety protection** and relies on specific and approved certifications **gains more social relevance in the market**.

Not taking these aspects into account and not understanding their deep meaning today can be very expensive in terms of the legal responsibilities of the employer and the employees in charge, can create serious

problems for the health of people and the environment in which they work and can also cost a lot in economic planning and business prosperity in the long run.

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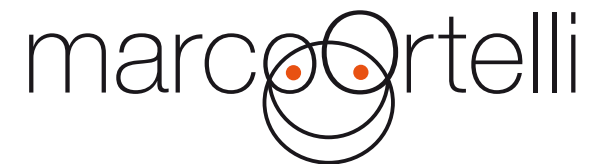


A male scientist with a beard, wearing a white lab coat, safety goggles, and blue gloves, is working in a laboratory. He is using a pipette to transfer a yellow liquid into a round-bottom flask. The background is a bright, modern laboratory setting with white shelves and equipment.

**Occupational health  
should be the main  
personal responsibility  
of every worker**

**#marcoortellisrl**





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**Safe through method**

A selection of documents and further  
reading can be found in our Blog:

[www.sicuriconmetodo.it](http://www.sicuriconmetodo.it)