



ATENA S.P.A. HAS A QUALITY
MANAGEMENT SYSTEM CERTIFICATED
BY RINA IN COMPLIANCE WITH
ISO 9001



ENVIRONMENTAL SUSTAINABILITY AND SAFETY



*Quality, environment,
health, safety:
together for
sustainable
architecture.*

**MINIMUM
ENVIRONMENTAL
CRITERIA
(C.A.M.)**

Atena's commitment to **Environmental Sustainability** and **Safety** passes through all main company processes to produce safe products, whose use contributes to the construction of **high performance buildings**, conceived to achieve the **highest levels of comfort, healthiness and respect for the environment**.



THE GREEN PROCESS

ENVIRONMENTAL SUSTAINABILITY AND SAFETY

ENVIRONMENT

- **Raw materials** produced with **recycling** processes;
- Aluminum and steel products **100% recyclable**;
- Products that will not become **hazardous wastes** during demolition / removal.

HEALTHINESS

- **Safe and fireproof products** that do not release dangerous substances into the environment;
- **Paints and sublimations** are performed with **VOC-free** substances.

LIFE BASED DESIGN

Acoustics, lighting technology and shape of spaces: the Atena **false ceilings** and **coverings** are conceived to create comfortable environments that support the **psycho-physical well-being** of people according to the **modern environmental psychology criteria**.

GREEN ENERGY



By joining the **"100% clean energy Dolomiti Energia"** certification program, Atena uses energy from **renewable sources**.

SEISMIC ENGINEERING

Academic and experimental research, patented systems and technical solutions for the highest degree of **earthquake safety**.

GREEN BUILDING

Get credits for building certification according to the **LEED protocol** and to BREEAM and ITACA standards for cross-cutting aspects, by using Atena products.

MINIMUM ENVIRONMENTAL CRITERIA

(C.A.M.)

On 11th October 2017 - in Italy the Decree known as - **C.A.M. - MINIMAL ENVIRONMENTAL CRITERIA** entered into force, establishing the requirements the public contractors have to specify in tenders for **design services**, and **new construction, renovation and maintenance works**.

According to Italian Public Procurement Code, for all public contract, the compliance with C.A.M. requirements is now compulsory.

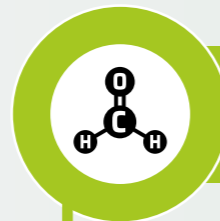
Suspended ceilings belong to building material category, therefore they have **to meet several conditions**.

APPLICABLE CRITERIA AND COMPLIANCE CONDITIONS



CAM 2.4.1.3 DANGEROUS SUBSTANCES

Atena products **do not contain dangerous substances**.



CAM 2.3.5.5 MATERIAL EMISSIONS

Atena products **do not release harmful substances** including formaldehyde. **Paints** and **sublimations** are performed with **VOC-free** substances.



CAM 2.3.5.6 ACOUSTIC COMFORT

Atena metal false ceilings perforated and coupled with specific sound-absorption materials allow to improve the **reverberation time and the intelligibility of the word**, contributing to the attainment of acoustic descriptor values for indoor environments as reported in Uni 11532 standard and defined in UNI 11367.



CAM 2.4.1.8 RECOVERED OR RECYCLED MATERIAL

"Partitions and false ceilings for dry construction systems must have a content of at least 5% by weight of recycled and / or recovered materials and / or byproducts".

Atena products are, as a whole, manufactured using **recycling processes materials**, the **recycled content** is calculated for each type of product, in compliance with CAM requirements and declared according to the ISO 14021 standard.



CAM 2.4.1.1 DISASSEMBLY

"At the end of their life cycle, at least 50% weight / weight of building components and prefabricated elements, excluding the systems, must be recyclable, reusable or subject to selective demolition. At least, the 15% of this percentage must belong to non-structural materials such as false ceilings".

Atena steel and aluminum products are 100% recyclable.



CAM 2.5.1. DEMOLITIONS AND REMOVAL OF MATERIALS

"In order to reduce the environmental impact on natural resources, to increase the use of recycled materials improving the waste recovery, (...) the demolition and removal of materials must be carried out by fostering the materials treatment and recovery"

At the end of their life cycle, the Atena products become **non-hazardous waste** that can be prepared for **re-use, recovery or recycling**.



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