



27/04/2015

The value of Sustainability

Steel and sustainability

Steel is one of the structural materials which lends itself to reuse waste materials thereby reducing the use of virgin materials. Therefore, selection of suppliers accompanied by an optimization process that aims to reduce the negative impacts over the environment, such as the location that makes it easy to transport by sea and reducing transport by truck, make Officine Tecnosider company naturally push towards sustainability choices.

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Soluzioni per la Conformità



Socio ordinario del GBC Italia

QualityNet srl
 Via Aquileia, 56
 35035 Mestrino (PD)
 Tel +39 049 9003612
 Fax +39 049 9005725
 Cod. Fisc. e P.IVA 04692840285
www.quality-net.it

OFFICINE TECNOSIDER

ENVIRONMENT AND SUSTAINABILITY

1. COMPANY

Officine Tecnosider is a new emerging company in hot rolled steel needs.

Process innovation, a high degree of automation, the latest technology, a state-of-the-art IT system and optimal layout enable the company to produce a quality product with the utmost respect of the environment and without compromising the flexibility and versatility of the plant.

The technological systems of Officine Tecnosider have been designed and manufactured with the utmost attention to energy saving and environmental protection.

The use of advanced technologies for closed circuit recycling and water filtration, the recovery of combustion gases and their re-use, the study of the use of renewable energy sources, along with the optimization and recycling of waste products, reinforce our company policy of continuous improvement.

Officine Tecnosider's objective is to achieve a prominent position in the European production scenario, above all aiming at total customer satisfaction by providing excellent products, rapid and on-time delivery and constant attention to environmental protection.

Sustainability is an issue that has become more and more present and where the trend is increasing. Officine Tecnosider has analyzed and implemented the contributions of its product in terms of sustainability. The reference used is the international rating system LEED™, for which has analyzed and positioned its products and supplies, implemented a information management level necessary to reconcile speed and accuracy in providing information.



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2. LEED COMPLIANCE



The LEED® rating system was developed in the United States since 1993 and is applied today in almost 40 countries around the world. The system is based on credits for each aspect of the sustainability of the building. Summing up the credits points you get the building level of certification achieved: Basic, Silver, Gold and Platinum. LEED® standards indicate the requirements for the construction of eco-compatible, able to "work" in an energy-efficient and water, well integrated in the territory and with its services, low environmental impact compared to the materials used and with good and health indoor environmental quality. In summary, it is a rating system (Green Building Rating System), for the sustainable buildings development.



LEED® is a flexible and articulated rating system, which provides differentiated protocols for new construction and renovations (LEED NC, ie New Construction and Major Renovations), shell (LEED CS, ie Core & Shell), schools (LEED for Schools), existing buildings (LEED EBOM, ie existing Buildings Operations & Maintenance) and homes (GBC Home), interior (LEED CI, or Commercial Interiors).

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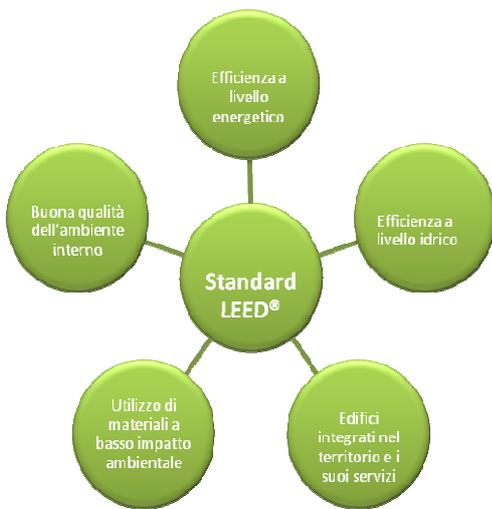
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LEED certification is a building certification, not a individual product certification, but, in order to obtain the building final score, every single product can contribute, with their own technical – constructive characteristics.

There are six main chapters of the LEED standard that decline characteristics, credits and prerequisites:

- Sustainable sites;



- Water efficiency;
- Energy Efficiency;
- Sustainable materials;
- Indoor Environmental Quality;
- Innovation in design.

For each of them there are pre-requisite and credits, which optional requirements, which should and / or can be met to achieve the mountain-credits needed at the level of certification desired.

In this section we will illustrate the excellence of Officine Tecnosider products proposals with regard to LEED® credits to which it can contribute.

The rating is valid for all protocols previously indicated (CN, CS, Schools, EB, Homes, Retail, CI) unless otherwise specified. For simplicity, the scores are intended to refer to the version of LEED NC 2009 ITALIA.

At the end of this document, a summary table represent the contributions of the credits for the different types of protocol.

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MATERIAL AND RESOURCES

MR C4 – Recycle Content – 1 to 2 points

The purpose of this credit is to increase demand for materials and construction products with recycled content, thereby reducing impacts resulting from extraction and processing of virgin materials.

Recycled content is defined in accordance with the International Organization of Standards document, ISO 14021 – Environmental labels and declarations – Self-declared environmental claims (Type II environmental labeling)

– Postconsumer material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose;

– Preconsumer material is defined as material diverted from the waste stream during the manufacturing process. Reutilization of materials (i.e., rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it) is excluded..

To meet the information needed to document this credit, Officine Tecnosider has implemented its information management system: there is a specific document attached to the invoice that contains the specific information about the recycled content of each specific provision.

For steel, and only for steel, the LEED rating system recognizes a default percentage of 25% post consumer recycled content. The products of Officine Tecnosider may exceed this percentage. Requiring technical office information, products available from vendors that can provide major contributions can be selected, in some cases reaching up to 100% recycled content. To be agreed at time of order with sales department for actual feasibility.



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MR C5 – Regional Material – 1 to 2 points

The purpose of this credit is to increase demand for materials and construction products extracted and processed at short range, thereby supporting the use of local resources and reducing the environmental impacts resulting from transportation, also encouraging the use transport with limited environmental impact such as rail or sea.

Therefore the credit rewards the use of materials and construction products that have been extracted, harvested or recovered, as well as processed:

- Within a radius of 350 km for the LEED NC ITALIA 2009;*
- Within a radius of 500 miles (800 km) to the LEED BD + CV 2009.*
- If the path or a percentage of the route is by sea, rail or river, then it calculates the distance you travel to the project site, using the following weights: the distance traveled by rail can be divided by 3, the distance traveled on inland waters to 2 and the distance by sea to 15.*

Officine Tecnosider is located a few kilometers from sea port.

To support this credit, the company has structured an internal calculation methods that can demonstrate the distances from the site of the specific project. For more information, please ask when ordering the technical office.

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4. SUMMARY

QualityNet assumes that products of Officine Tecnosider can contribute to the LEED credits as shown in the following table:

| CREDIT | Points | Description | Note | LEED NC ITALIA 2009 | LEED BD + C V 2009 | LEED BD+C V 4 | GBC HOME |
|--------|--------|-------------------|---------------------------------|---------------------------|-----------------------|------------------|----------|
| MR c 4 | 1 to 2 | Recycled Content | Recycle content declatration | X | X | X | X |
| MR c 5 | 1 to 2 | Regional Material | Materials from Italy and Europe | X | | | X |
| MR c 5 | 1 a 2 | Regional Material | Materials from Italy and Europe | | X | | |

For more detailed information, please contact the technical department of Officine Tecnosider.

Although QualityNet considers that the product evaluated may contribute to LEED certification, please note that, globally, only GBCI (Green Building Certification Institute) can attribute scores and issue to a certificate LEED. Recalling that LEED certified building and not materials or products, QualityNet not express any assurance on the achievement of the score.

Dott.ssa. Iris Visentin LEED AP BD&C

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