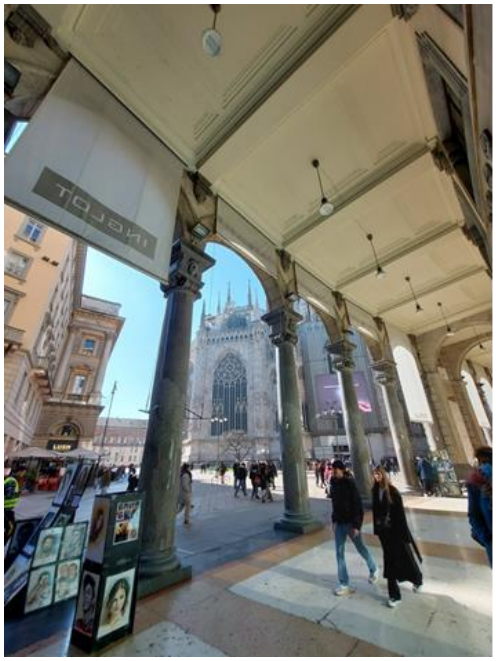
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CASE HISTORY – PRESTIGE structures

STRUCTURE
Assicurazioni Generali Building / McKinsey canteen& Company.

CUSTOMER DATA		
Place	**Dimensions**	**Typology**
Milano (IT) Piazza Duomo	medium size	historic building with representative offices including McKinsey& Company -Italy







PROBLEM
○ It is of primary importance to eliminate bad smells from the waste collection and storage area (alternatively they had evaluated the purchase of a refrigerated cell, aborted due to lack of space and probable breakages and maintenance in high season) ○ Given the historic and highly prestigious location, it was of primary importance to eliminate bad smells from the collection and storage area of the humid-organic waste (stored in the various brown bins positioned in the internal courtyard of the building supplied by the company for the collection and management of municipal waste in Milan - Amsa) ○ Improve the sanitary conditions of the storage environments ○ Reduce the use of staff for the frequent washing, conditioning and sanitization of bins dedicated to the collection of wet waste, which is particularly difficult and not very decent given the location concerned. ○ Reduce the presence of insects and wild animals (mice, cats and birds) that nest near the organic waste containers. ○ Find, last but not least, an Eco-sustainable solution in line with the company's policy and above all capable of reducing the impact of CO2 emissions produced by the traditional management of collection, transport and disposal.

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STRUCTURE DESCRIPTION

Prestigious historic structure located behind the Milan Cathedral at the beginning of Corso Vittorio Emanuele II in the historic center of Milan. The canteen itself is inserted within the historic and elegant halls of the building, trying to have an impact of elegance and functionality.







All the preparation activity uses first choice products with particular attention to vegetables and fruit. cultivated at Zero Km in the hilly land owned by the structure itself.

All the daily preparation waste produced is collected in the canteen service bins and subsequently, together with all the waste obtained and collected at the end of the meal, is transferred at the end of the service to the internal courtyard of the structure. It is usually loaded directly into the EFR 100 EcoSwiss machine or temporarily stored in one of the bins responsible for collecting organic waste, waiting to be loaded for treatment.









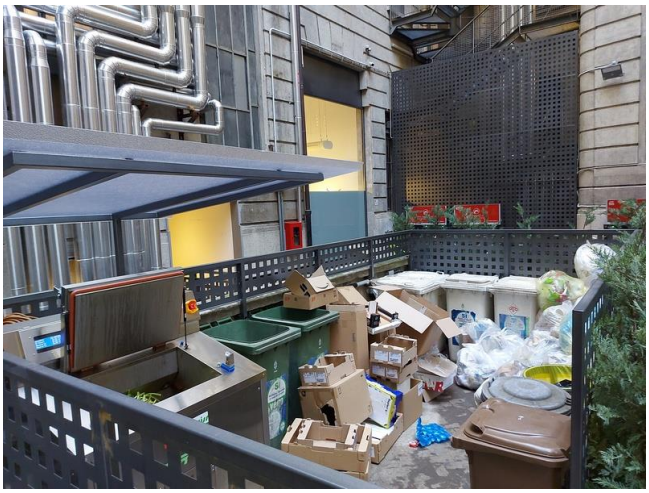
Organic waste consisting mainly of preparation waste such as vegetables and end-of-meal waste, always with a prevalence of vegetables, fruit, pasta, rice and bread.

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The management of the building, as part of the project to make the storage area of the various waste produced by the activities hosted and destined for separate collection (paper / cardboard, plastic, dry and wet-organic) more decent, has set up a special fenced area "low impact" and bordered by green plants in the internal courtyard (see photo).









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SOLUTION ADOPTED

The facility has purchased and uses an EcoSwiss EFR100 machine installed inside the storage area for the various types of waste with a suitable 400V / 50Hz power supply panel and the drain connected and sealed to the gray water collection network of the building.



The structure produces a daily average of 40-45 kg of wet-organic waste and the machine, being watertight, is used as an accumulation bin and the treatment / drying cycle is carried out every other day to optimize the load.









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The dry solid residue obtained (a few tens of kilograms / week) is sent to the bi-weekly separate collection using only one brown bin compared to the 6-7 bins normally used in the past, with all the logistical problems of their implementation just before of the morning harvest and collected at dawn given the prestige and municipal regulations that apply in the area concerned (Corso Vittorio Emanuele II / Piazza Duomo). Part of the residue is used as a soil improver for plants and flowers of the building by the maintenance staff.







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Impact on waste with use of EFR

- annual organic waste produced between 12,000 - 13,000 kg (49 weeks)
- **Reduction of organic waste produced / year about 70%**
- **Kg of organic waste in less / year between 8,500 - 9,400 Kg**

List of Advantages and Economic Savings (quantifiable)

- Total elimination of bad smells near the entire structure, **a value that cannot be quantified but has a great impact / image for the structure and its prestige; fundamental aspect for choosing the purchase of machinery**
- Improvement of the decor and general cleaning of the external area of the structure; **value not quantifiable but of great impact / image**
- As soon as the punctual tariff on wet-organic waste is introduced, there will also be a significant economic impact on the current TARI. The values will depend on the Municipal Regulations
- **Clean working environment, free of leachate and unpleasant odors: it is priceless!!**
- **Eco-sustainable solution** aimed at pursuing the **reduction of CO2 emissions.**



