

**OMPECO**

WE DO NOT INHERIT  
THE EARTH FROM  
OUR ANCESTORS, WE  
BORROW IT  
FROM OUR CHILDREN.

**NATIVE AMERICAN PROVERB**

FROM 2008  
THE DESIGN AND  
MANUFACTURE OF  
**WASTE TREATMENT  
EQUIPMENT**  
WORLDWIDE FOR CIVIL  
AND MILITARY SECTORS

COMPANY  
INFORMATION



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# INTRODUCTION

The mother company Officine Meccaniche Pejrani srl (OMP) was founded in 1973 by Engineer Luigi Pejrani. The core business of OMP was the design and construction of sheet metal parts, in the automotive sector.

The global interest in eco-friendly projects led Officine Meccaniche Pejrani to expand its business into the research and development of new low carbon technologies related to pollution control.

In 2001 the Environmental Division of Officine Meccaniche Pejrani: OMPeco was established to meet this demand. In the same year OMP patented and began production of the Converter process.

OMPECO's products, therefore, are created not only for the purpose of treating waste without emissions, but also at improving the entire logistics chain in terms of emissions reduction.

**This process has transformed the traditional approach of waste treatment, allowing the treatment of waste directly on site.**

**IN 2008 WE LAUNCHED**

**CONVERTER®**

**TECHNOLOGY TO PROCESS  
ANY KIND OF WASTE AND PRODUCE  
SAFE AND CERTIFIED RDF**



Converters® are sold worldwide  
tailormade to the specific needs of our  
customers across many industries.

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**In 2014 OMPeco was launched as OMPECO S.r.l.  
as a separate company.**



TREATING WASTE  
CONVERTING IT  
INTO RDF - REFUSE  
DERIVED FUEL

# TECHNOLOGY, PRODUCTS AND SERVICES

The Converter technology is based on the principle of mechanical to thermal energy transformation, hence the machines can reach an optimal sterilization temperature of 150°C, without the use of high pressure.

The Converter treats waste without any pollution; with zero emissions of any harmful substances into the environment.



## **NO POLLUTANT ZERO EMISSIONS**

Liquids present in the waste are evaporated, sterilised and condensed



## **SAFE OUTPUT MATERIAL**

No dust  
No odour  
No fermentation  
No vermin



## **WEIGHT REDUCTION**

Up to 50%

## **VOLUME REDUCTION**

Up to 80%



**THE CONVERTER IS A PATENTED ECO-FRIENDLY METHOD OF TREATING WASTE CONVERTING IT INTO RDF - REFUSE DERIVED FUEL.**

**ITS WORKING PRINCIPLES ARE:**

**NO USE OF CHEMICALS, NO COMBUSTION, NO MICROWAVE, NO PRESSURE AND ZERO EMISSIONS.**

**MANY INDEPENDENT SCIENTIFIC INSTITUTIONS AND LABORATORIES HAVE PROVEN THE EFFICACY OF THIS INNOVATIVE TREATMENT.**

# CONVERTER TECHNOLOGY APPLICATIONS:

## H SERIES CONVERTERS



HOSPITALS  
LABS  
CLINICS  
TREATMENT CENTERS

## MO SERIES CONVERTERS



RESTAURANTS  
HOTELS  
SHOPPING MALLS  
RESORTS

## NV SERIES CONVERTERS



PRIVATE YACHTS  
CRUISE  
MERCHANT VESSELS  
FERRY BOATS

## MOB SERIES CONVERTERS



HUMANITARIAN CAMPS  
HOSPITAL CAMPS  
CUSTOMS  
CONSTRUCTION SITES

## MILITARY SERIES CONVERTERS



MILITARY BASES  
HARBOURS  
MILITARY SHIPS  
AIRPORTS

## OIL AND GAS SERIES CONVERTERS



OFFSHORE PLATFORMS  
ONSHORE SITES

## MOSERIES CONVERTERS



AIRPORTS  
CATERING FACILITIES

## SERVICE



In some countries OMPECO is present  
as a service provider

## TECHNOLOGY



CONVERTER®  
Technology & Process



## TREATMENT PLANTS

OMPECO is engaged in the design of different turnkey solutions waste treatment.

Ompeco plants receive, operate and transform mixed waste within a single plant in a clean, odorless and silent environment, being compatible with the City infrastructures and drastically reducing waste transportation costs.

The incoming waste can be any unsorted and mixed waste, variable in size, moisture content, including biological hazardous waste.

From the plant we obtain a final product completely unrecognizable, odorless and sterile, called flock or "fluff".

Waste weight is reduced by 50% and volume by 80%.

This product can be considered a Refuse Derived Fuel (RDF) and can be sold to energy producers since has considerable commercial value.

We also obtain metal residues, as Ferrous metals (Fe), Aluminium (Al) and Glass (Gl). They can be sold as recycled by-products.



# QUALITY

OMPECO owns the International Patent for the Converter and maintains the high standards required to achieve the certification set by the International Organisation for Standardisation (ISO). This means that OMPECO have world-class specifications for our products, services and systems, to ensure quality, safety and efficiency through the construction, quality management, business processes, implementation processes, which creates customer satisfaction.

OMPECO is **ISO 9001: 2008** - Quality Management Systems accredited

OMPECO has obtained a recognise NATO code for military supplies.

The NATO Codification System is a Standardization Agreement approach to identify, classify and number items of supply and assign an NSN (NATO Stock Number) to each item of supply. For these reasons, the NCS system was unanimously accepted and adopted by all nations that signed the Treaty of the Atlantic Alliance.

It is based on the principle <one item - one number>, as an NSN identifies a unique item of supply. By doing so, one avoids logistics duplication and the following results are obtained: consolidated supplies; effective use of stockpiles and their eventual reuse within interforce; use of obsolete parts and / or of those no longer in use on systems still online, may be those provided by other Armed Forces (AF).

OMPECO's **NCAge CODE : AH649.**



RINA

For most Converter NV models OMPECO acquired a dedicated RINA certification. This certification process is performed by an independent Italian third party to assure the compliance of the management systems relating to a product or service requirements as defined by regulatory reference standards.

The certification has enabled OMPECO to address its target market with high quality standards, which ensure durability, sustainability and efficiency in the management and production processes, in the administration of personnel and environmental protection processes.

Certifying compliance with the international standards, RINA SERVICES helps organizations protect themselves from unskilled competition and gives the customer the opportunity to make their purchasing decisions based on objective parameters.

RINA Test Certificate example: **N.2011/TO/01/97**



Working with our Partner X-MET Limited, the Converter has been approved by the United States Department of Agriculture to process regulated garbage. The Animal and Plant Health Inspection Service (APHIS) is responsible for ensuring the welfare of American agriculture by preventing the introduction of animal and plant pests and diseases into the United States. One essential method to prevent disease dissemination is to ensure the effective mitigation of regulated garbage from International Catering Waste entering US ports and Airports.

The Converter can now be used to process this waste across the United States to ensure the waste is transformed into a sterile, inert flock, which is then able to be used as a fuel or disposed of as a domestic waste.

X-Met and OMPECO have also been approved by the Animal and Plant Health Agency (APHA), of the Department for Environment, Food and Rural Affairs of the United Kingdom to use the Converter as a pre-treatment, handling operation within the current regulatory framework to process international catering waste (which is a category 1 ABP). The Converter provides significant improvements in terms of biosecurity for movement and handling of International Catering Waste.

APHIS Regulations: **Title 9 Code of Federal Regulations (CFR) 94.5 and Title 7 CFR 330.400**

APHA Regulations: **Handling Plant Approval Animal By-Products Category 1 Waste**



## KNOW HOW

OMPECO boasts a vast and solid experience of over 40 years of entrepreneurial history built upon by past and present management of the Pejrani family.

Being a direct manufacturer of the Converter OMPECO manages its products from design to installation which ensures the maximum attention to detail and quality is offered to its clients with a genuine “Made in Italy” trademark.

The company provides additional support activities such as consulting, maintenance and after-sales service. Training is regularly provided to distributors, brokers, technicians and operators.

With an increasingly strong commitment to ecology and a zero carbon approach OMPECO are continually improving the Converter in order to reduce emissions, increase energy efficiency and reduce water consumption. Indeed, in many water stressed areas around the world the Converter is deemed to be a water conservation technology, as it recovers the moisture lost in traditional waste management processes. The creation of RDF and SRF materials are a significant addition to resource efficiency, through the displacement of fossil fuels in many industries such as cement manufacturing. All assets of great value.

# CONVERTER IN THE WORLD

- Our **brokers** are present worldwide
- Several local **distributors** operate exclusively on their territories
- Among our clients there are the 5 most important NATO **Navies** and manufactures of **luxury Yachts** over 60 m.





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