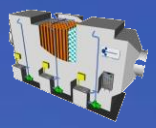

ecochimica
INDUSTRIAL AIR TREATMENT PLANTS
www.ecochimica.com

COMPANY PRESENTATION

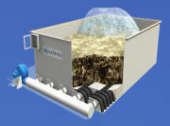
ecochimica



Vertical scrubbers



Horizontal scrubbers



Biofilters

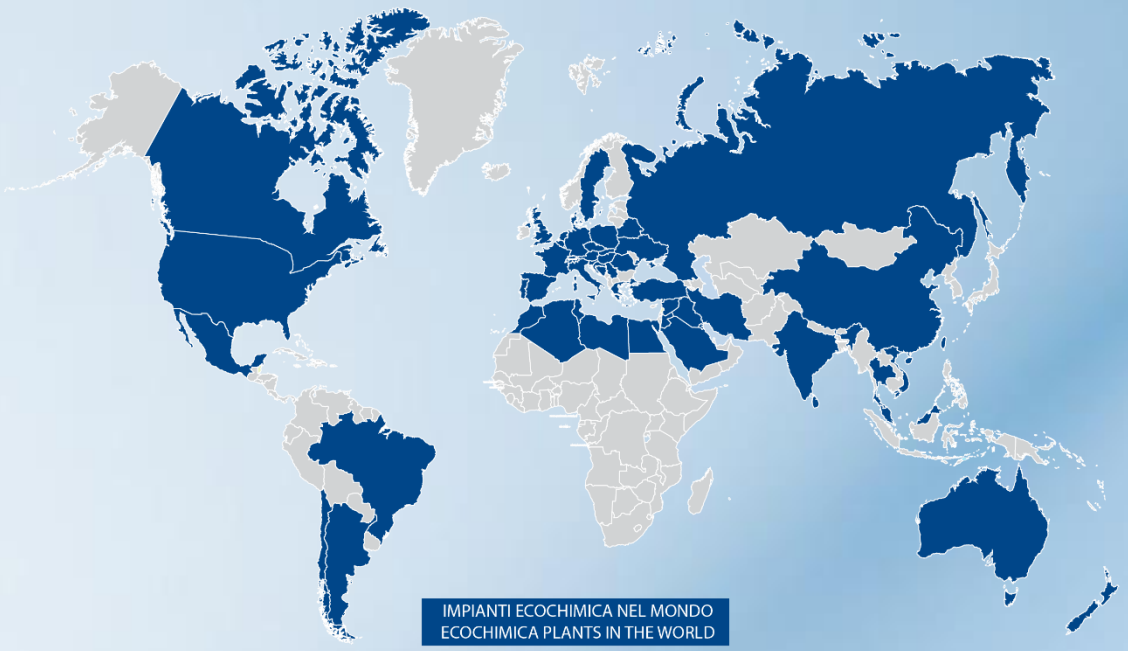


Stripping plants



Bag filters

Ecochimica has 30 years experience in the environmental sector and realizes customized plants in order to satisfy specific customer requirements, and it supplies also assistance and scheduled maintenance both of its own plants and third party plants.





The founders



Waste water treatmet plant managed by Ecochimica (Milan – Italy)

TÜV SÜD ISO 9001



Combustors



Quenchers and Cooling towers



Desulphuriz. units



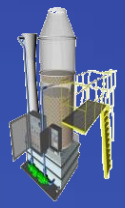
Dry filters



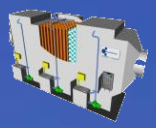
Dry scrubber

TREATMENT SECTORS

ecochimica



Vertical scrubbers



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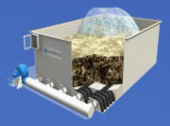


Biofilters



Stripping plants



Bag filters

SETTORE TRATTAMENTO ACQUE CIVILI • INDUSTRIALI
SEWAGE • INDUSTRIAL WATER TREATMENT

SETTORE RIFIUTI URBANI E INDUSTRIALI • INCENERITORI
URBAN AND INDUSTRIAL SOLID WASTE • INCINERATORS

SETTORE CHIMICO • FARMACEUTICO
CHEMICAL • PHARMACEUTICAL INDUSTRY

SETTORE ALIMENTARE
FOOD INDUSTRY

SETTORE ENERGIA
ENERGY SECTOR

SETTORE METALMECCANICO • FONDERIA • ACCIAIERIA
MECHANIC • METALLURGICAL INDUSTRY • FOUNDRY • STEEL MILL

SETTORE CEMENTIFICO
CEMENT MANUFACTURING

SETTORE TESSILE • CONCIARIO
TEXTILES INDUSTRY • TANNING INDUSTRY

SETTORE GOMMA • PLASTICA • VETRO • CARTA
RUBBER • PLASTIC INDUSTRY • GLASS INDUSTRY • PAPER MILL

SETTORE BONIFICHE TERRENI
DRAINAGE LAND



Combustors



Quenchers and Cooling towers



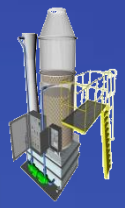
Desulphuriz. units



Dry filters



Dry scrubber



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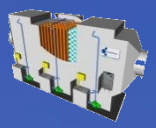

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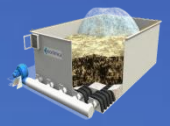


Biofilters



Stripping plants

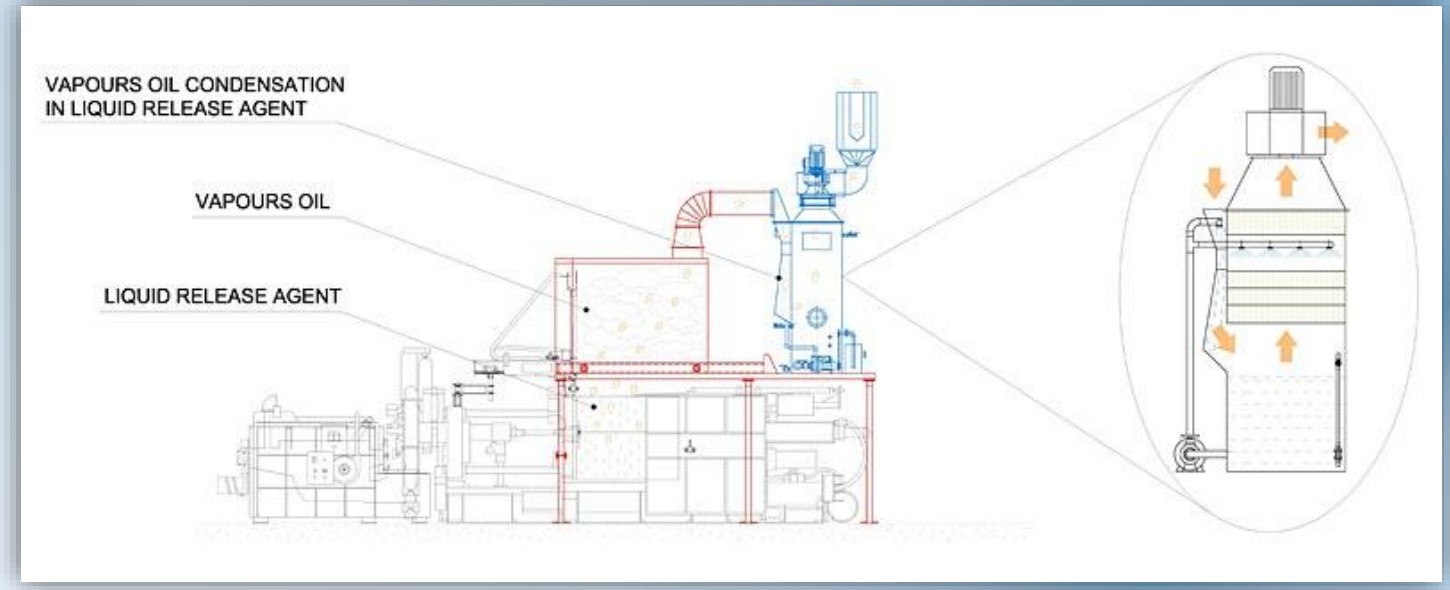


Bag filters

DIE-CASTING FOUNDRY

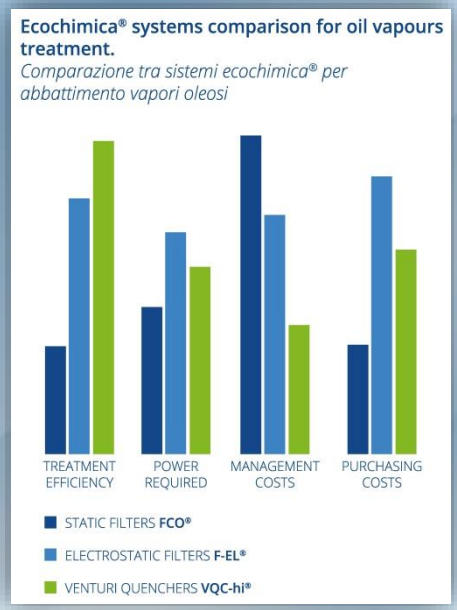
ecochimica

VENTURI QUENCHER TECHNOLOGY



BENEFITS

-Self cleaning system to avoid production stops
-Reduction of investment and maintenance costs
- Reduction of 20% of the installed power and 90% reduction of waste production
-Reduction of CO_2 emission in atmosphere
- Constant treatment efficency in time





Combustors



Quenchers and Cooling towers



Desulphuriz. units



Dry filters

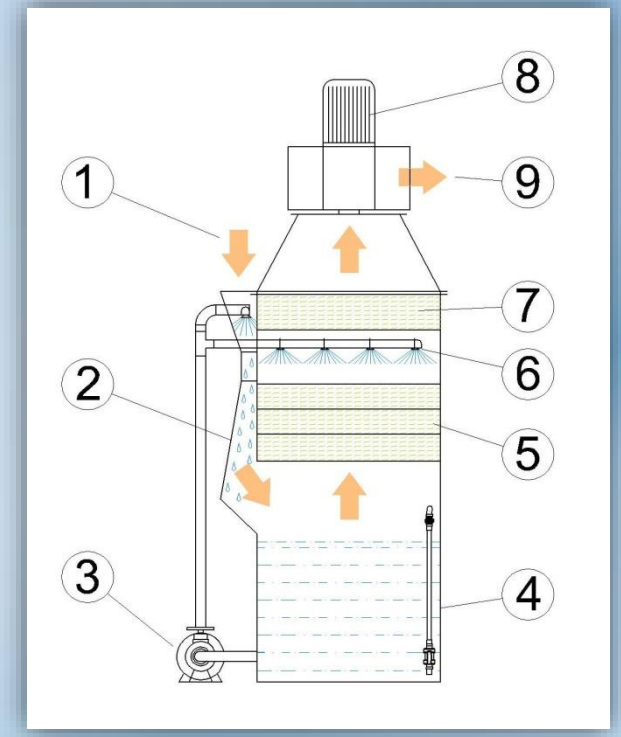


Dry scrubber

ecochimica

VENTURI-QUENCHER OIL VAPOURS TREATMENT INSTALLED AT UNIVERSITY RESEARCH CENTER





1 The air coming from the aspiration hood enters into the Venturi-quencher;
2 In the Venturi-quencher stage the condensation of the oil vapour occurs;
3 Stainless steel pump for washing recirculation liquid;
4 The condensed vapours are collected in the washing liquid recirculation tank;
5 Static filtration in the tower;
6 Packing cleaning system through non clogging nozzles;
7 Further and final filtration;
8 Integrated fan;
9 Final air output.

Vertical scrubbers
Horizontal scrubbers
Biofilters
Stripping plants
Bag filters
Combustors
Quenchers and Cooling towers
Desulphuriz. units
Dry filters
Dry scrubber

ecochimica

VENTURI-QUENCHER VQC-hi® FOR OIL VAPOURS TREATMENT FROM SINGLE DIE-CASTING MACHINE



Vertical scrubbers
Horizontal scrubbers
Biofilters
Stripping plants
Bag filters
Combustors
Quenchers and Cooling towers
Desulphuriz. units
Dry filters
Dry scrubber

DIE-CASTING FOUNDRY

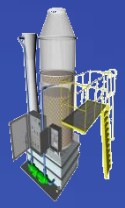
ecochimica

ASPIRATION OF ACID FUMES FROM STRIKO-WESTOFEN FURNACE

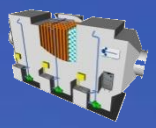




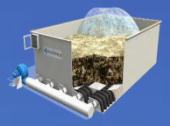
ASPIRATION HOOD FOR OIL VAPOURS



Vertical scrubbers



Horizontal scrubbers



Biofilters



Stripping plants



Bag filters



Combustors



Quenchers and Cooling towers



Desulphuriz. units



Dry filters

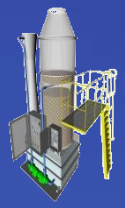


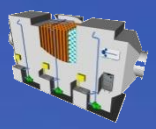
Dry scrubber

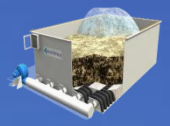
ecochimica

STATIC FILTER FOR OIL VAPOURS TREATMENT INSTALLED ON A DIE-CASTING MACHINE




Vertical scrubbers


Horizontal scrubbers


Biofilters


Stripping plants


Bag filters


Combustors


Quenchers and Cooling towers

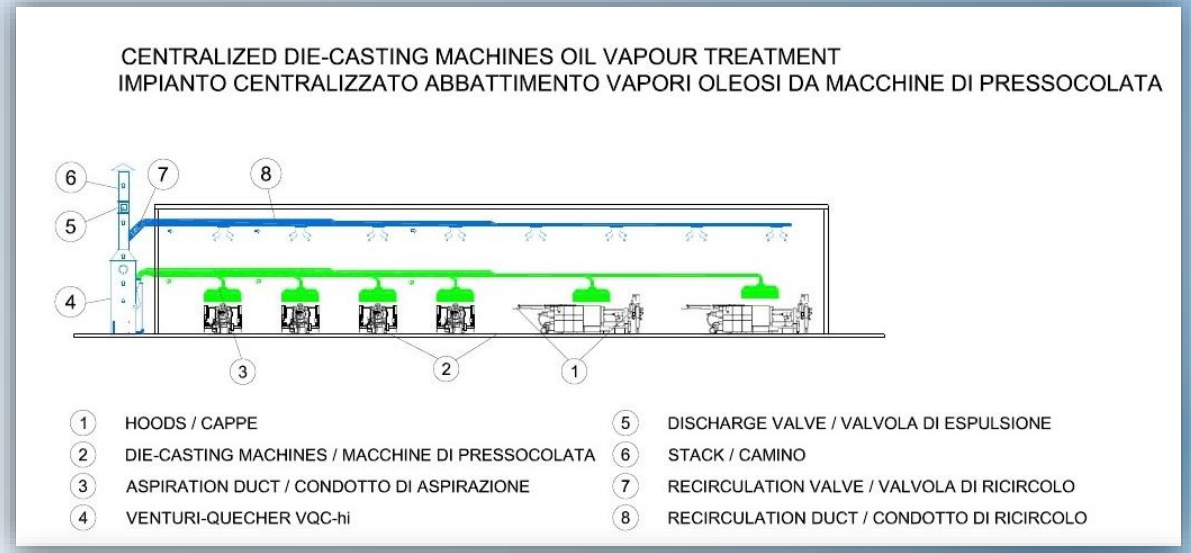

Desulphuriz. units


Dry filters


Dry scrubber

ecochimica

CENTRALIZED VENTURI QUENCHERS





Vertical scrubbers
Horizontal scrubbers
Biofilters
Stripping plants
Bag filters
Combustors
Quenchers and Cooling towers
Desulphuriz. units
Dry filters
Dry scrubber

DIE-CASTING FOUNDRY / GRAVITY

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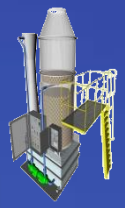
BAGHOUSE FILTER FOR DUSTS TREATMENT

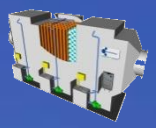




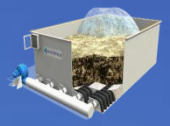




Vertical scrubbers



Horizontal scrubbers



Biofilters



Stripping plants



Bag filters



Combustors



Quenchers and Cooling towers



Desulphuriz. units



Dry filters



Dry scrubber

GRAVITY FOUNDRY

ecochimica

DUST AND AMINES TREATMENT FROM COLD BOX CORE SHOP DEPARTMENT







Vertical scrubbers

Horizontal scrubbers

Biofilters

Stripping plants

Bag filters

Combustors

Quenchers and Cooling towers

Desulphuriz. units

Dry filters

Dry scrubber

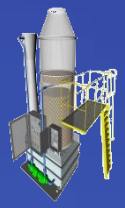
GRAVITY FOUNDRY

ecochimica

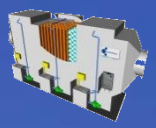
DUST, PHENOL AND FORMALDEHYDE TREATMENT FROM SHELL-MOULDING CORE-SHOP DEPARTMENT







Vertical scrubbers



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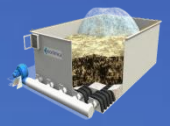


Biofilters



Stripping plants



Bag filters



Combustors



Quenchers and Cooling towers



Desulphuriz. units

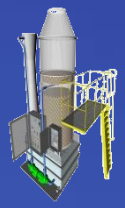


Dry filters



Dry scrubber

ecochimica



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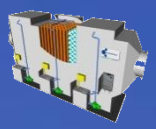

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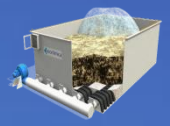


Biofilters



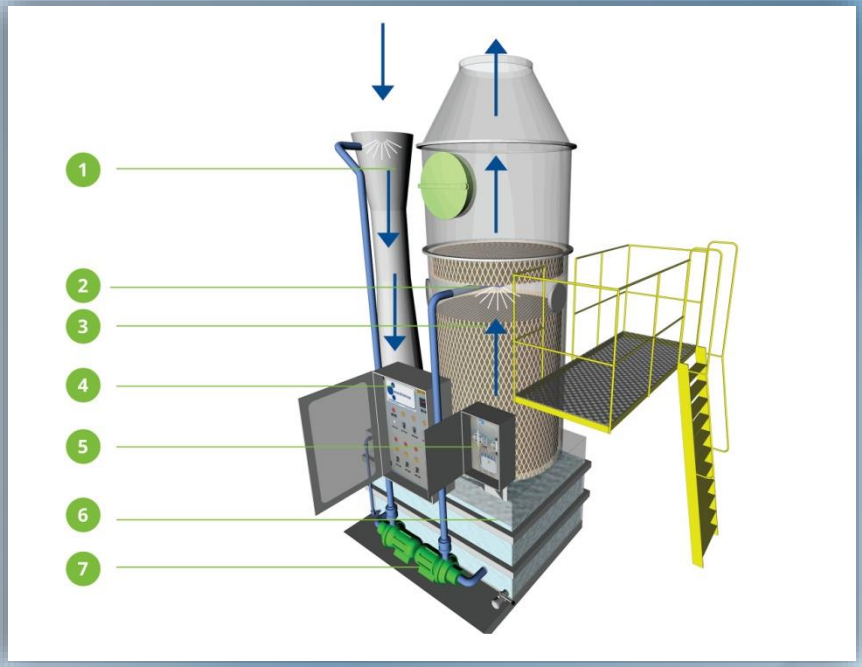
Stripping plants



Bag filters

VENTURI SCRUBBER PLANT FOR AMINES TRATMENT





BENEFITS

1 Venturi high efficency removal
2 Anti-clogging nozzles
3 High specific surface filling material
4 Frequency convertor to regulate fan speed
5 pH probe system with circulation cell
6 SAE-Automatic exhaust discharge system
7 Robust pumps in stainless steel material



Combustors



Quenchers and Cooling towers



Desulphuriz. units



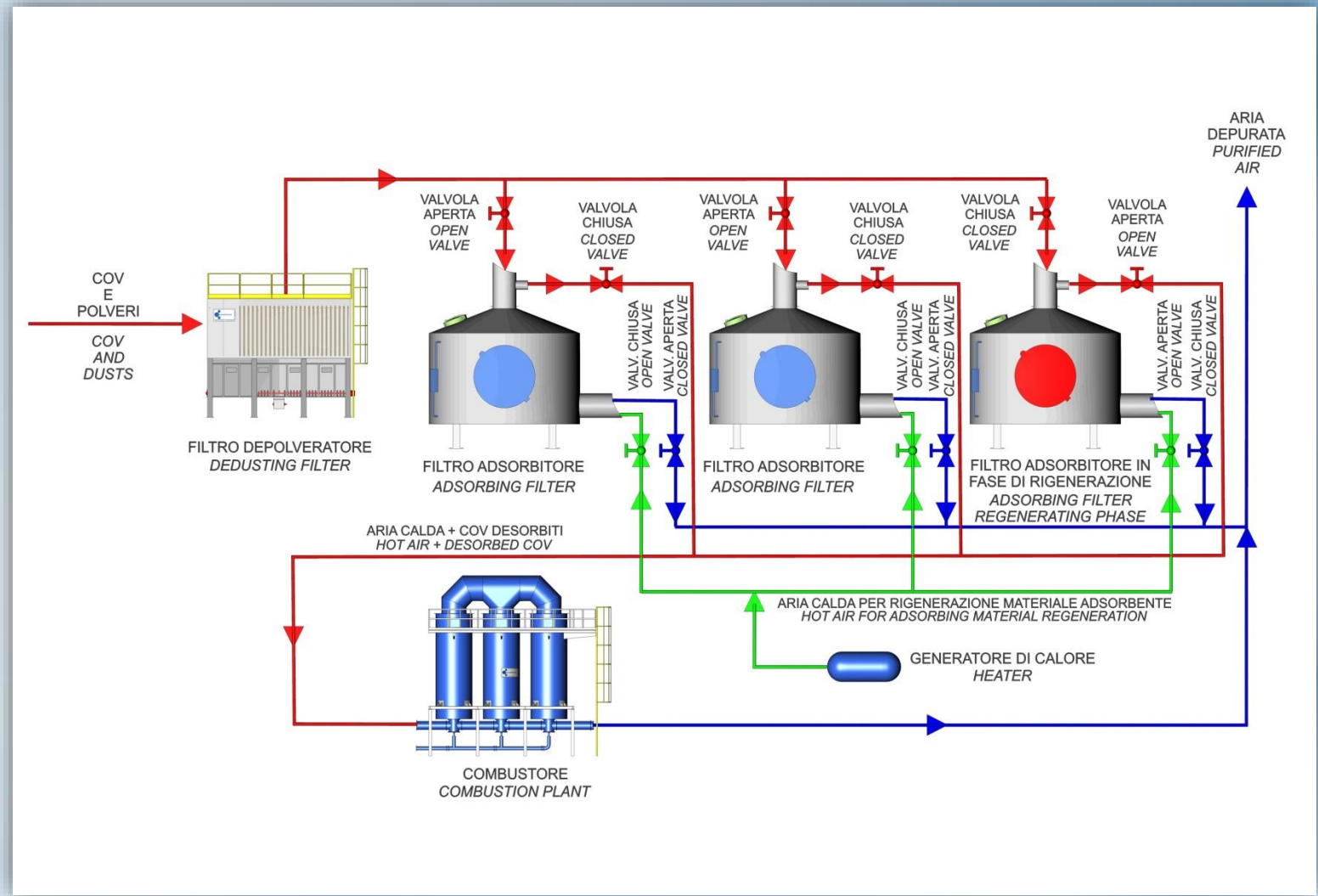
Dry filters



Dry scrubber

ecochimica

TREATMENT PLANT FOR VOC AND DUSTS FROM POST CASTING MOULD COOLING ACCORDING TO THE IPPC DIRECTIVE



Vertical scrubbers

Horizontal scrubbers

Biofilters

Stripping plants

Bag filters

Combustors

Quenchers and Cooling towers

Desulphuriz. units

Dry filters

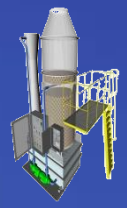
Dry scrubber

GRAVITY FOUNDRY

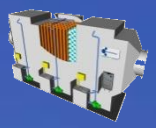
ecochimica

3 CHAMBER REGENERATIVE COMBUSTION PLANT FOR VOC TREATMENT





Vertical scrubbers



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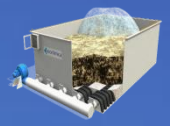


Biofilters



Stripping plants



Bag filters



Combustors



Quenchers and Cooling towers



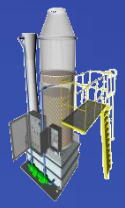
Desulphuriz. units



Dry filters



Dry scrubber



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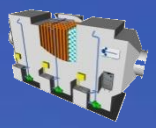

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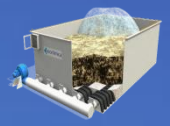


Biofilters



Stripping plants



Bag filters

GRAVITY FOUNDRY

ecochimica

BIOFILTER FOR COV TREATMENT FROM CORE-SHOP, POST-CASTING AND CORES PAINTING





Combustors



Quenchers and Cooling towers



Desulphuriz. units



Dry filters

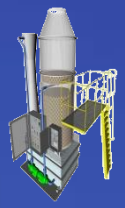


Dry scrubber

ecochimica

QUENCHER SYSTEM FOR FUMES COOLING FROM CUPOLA FURNACE

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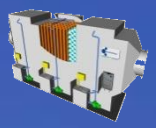
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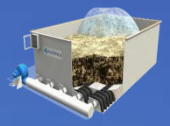
Biofilters


Stripping plants


Bag filters


Combustors


Quenchers and Cooling towers


Desulphuriz. units


Dry filters


Dry scrubber

REFERENZE ECOCHIMICA *OUR REFERENCES*

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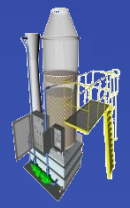

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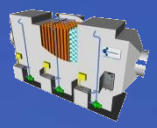
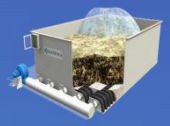


Horizontal scrubbers



Biofilters



Stripping plants



Bag filters



Combustors



Quenchers and Cooling towers



Desulphuriz. units



Dry filters



Dry scrubber

BIRN · Teksid · FAGOR · brembo · AgustaWestland · Laempe. solutions for foundries · DISA A Norican Technology · TEXMO · BRESCIA UNIVERSITY · CASTING ROS, S.A. · nemak · Slévárna Dolní Benešov s.r.o. · KELVIN ALUKAST TECHNOLOGIE DLA ODLEWNICTWA · MARBO · spinko Sp. z o.o. · Loramendi · Hua Dong Teksid Automotive Foundry · weg · VAN DE WIELE · Fucoli - Somepal FUNDIÇÃO DE FERRO, S.A. · BÜHLER · RAFFMETAL · IKCO · OMEGA foundry machinery ltd · METAL-ZEL · INN.TEC. · SIEMENS · ALCAN · ITALPRESSE Macchine e sistemi per la pressocolata Equipment for high pressure diecasting · IMF s.r.l. Impianti Macchine Fonderia · infunFor S.p.A · fisep PRESSOFUSIONE E STAMPAGGIO A CALDO · METALLIC ALLOYS · CNR 中国北车 · 齐齐哈尔轨道交通装备有限责任公司 QIQIHAR RAILWAY ROLLING STOCK CO.,LTD · FLYGT · ITT Industries Engineered for life

THANK YOU FOR YOUR ATTENTION!

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