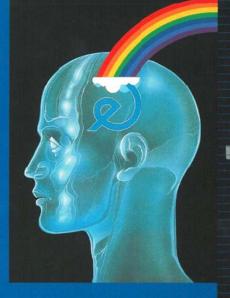
Milan 2012

# AIR ECOSYSTEM Company presentation





## WHO WE ARE

- Air treatment systems for the safeguard of the environment
- High efficiency air filtration and dedusting systems for all plant sizes and industry sectors
- A reputation for high quality and performance built in over 40 years of partnership with the leading names of the meltshop industry





## FROM OUR HEADQUARTER ... Cernusco S/N (Milan)- Italy

dair ecceyst





## ... TO ALL OVER THE WORLD !

5

# **OUR VISION** LEADERSHIP IN HIGH QUALITY AIR TREATMENTS FOR THE PROTECTION **OF THE ENVIRONMENT**

## **OUR MISSION & VALUES**

- DESIGN, MANUFACTURE AND DELIVER HIGH QUALITY AIR DEDUSTING AND FILTERING SOLUTIONS
- WORKING IN TIGHT COOPERATION WITH OUR CUSTOMERS, WE STRIVE TO DELIVER MAXIMUM VALUE IN TERMS OF TECHNOLOGY, RELIABILITY AND SERVICES
- AIRECOSYSTEM DOESN'T SETTLE FOR LESS THAN THE BEST. WHEN WORKING WITH US, YOU WILL EXPERIENCE THAT FIRST-HAND AND WILL FIND THAT OUR VALUES ARE THE CORNERSTONE OF HOW WE CONDUCT BUSINESS ON A DAILY BASIS. OUR MISSION PROVIDES US WITH A COMPETITIVE STRATEGY THAT ENTICES US TO ALWAYS OUTPERFORM.

## **OUR ENVIROMENTAL POLICY**

- AIR ECOSYSTEM IS COMMITTED TO APPLYING ENVIRONMENTALLY FRIENDLY PRACTICES IN ALL ASPECTS OF OUR BUSINESS OPERATIONS.
- WE BELIEVE THAT THE ECONOMIC GROWTH OF OUR COMPANY AND THE CONSERVATION OF OUR NATURAL ENVIRONMENT ARE COMPLEMENTARY.
- WE SHALL CONTINUE TO MAKE IMPROVEMENTS TO OUR ENVIRONMENTAL MANAGEMENT SYSTEM GUIDED BY THE PHILOSOPHY OF TAKING ACTION WITH THE FUTURE OF THE EARTH IN MIND.
- WE WILL PROMOTE A CORPORATE CULTURE WHERE COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REQUIREMENTS IS THE MINIMUM LEVEL OF ACCEPTABLE PERFORMANCE.

## OUR PEOPLE, OUR STRENGTH

#### 100% committed to the satisfaction of our customers

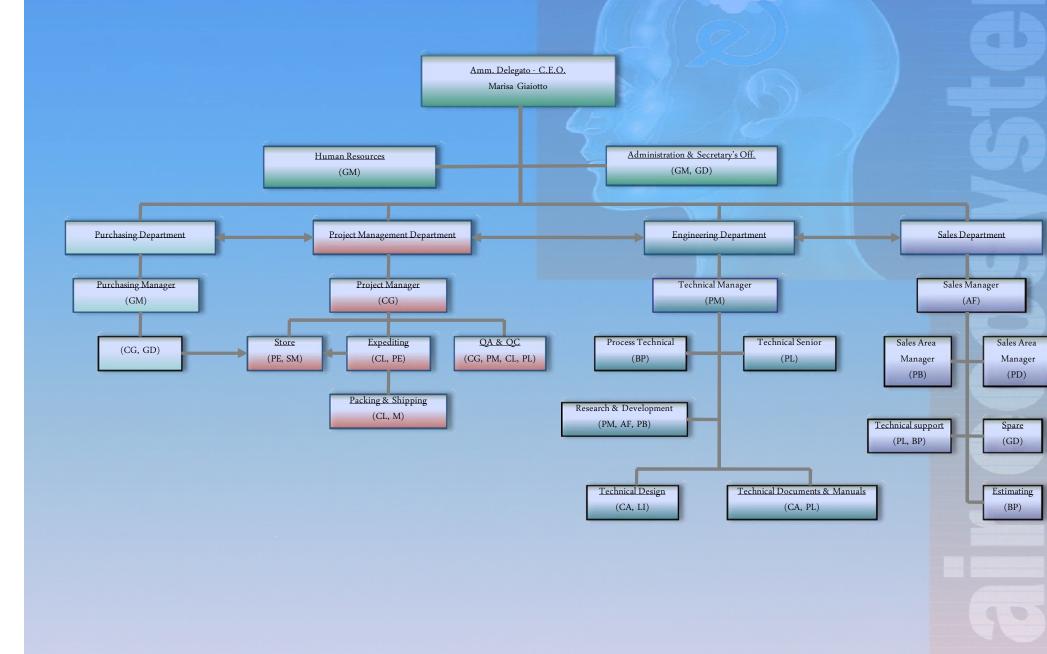


Customer oriented attitude to listen, to understand and to meet the requirements and expectations of the Customers is the usual working procedure of our team of people



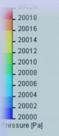
- Over the years the instinct of the founders of this company
- A team of skilled technicalcommercials backed by a dedicated team of proposals
- Our team of technicians and the equipment at their disposal can examine and solve problems with customized solutions offering both the most progressed technology and low costs
- Internal development and engineering facilities
  - R&D dedicated resources

## **ORGANIZATION CHART 2012**

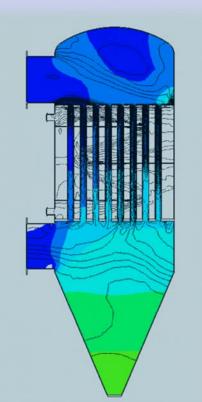


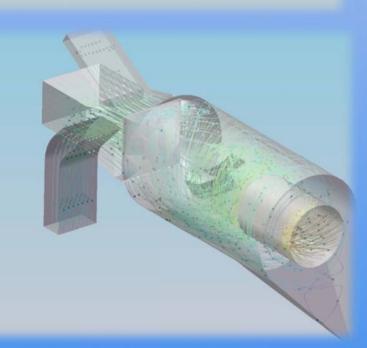
# **RESEARCH & DEVELOPMENT**

Computer aided air flow optimization for higher filtration performance



iolines: Temperature [\*C]







# **FOCUS ON QUALITY**

Air Ecosystem is focused on quality and committed to continuously improving its own processes, in order to meet or exceed client's expectations, following the best practices and standards within the industry.



Air Ecosystem has a quality management system which is certified and complies with ISO 9001 quality standards.

# **FOCUS ON SAFETY**

#### ✓ Focus on plant safety



#### ✓ Focus on safety for all people working on the plant (yours and own)

✓ Observance of local safety norms



✓ Issue of documentation in compliance with local safety norms

# Why Air Ecosystem is the ideal partner for dedusting plants

## **3 alternative supply approaches**



**Turn-key dedusting solutions** 

# 2° Flange-to-flange equipment



## ... all tailored to the specific customer need !



# 1°

# Air Ecosystem turn-key dedusting solutions

- Assessment of the air filtration need jointly with the client
- On site inspections and consulting
- Dedicated solutions and engineering
- Feasibility study
- Manufacturing with our/local suppliers
- Erection phase
- Start-up and performance test
- Operational and maintenance training
- Spare parts and after sales service

100% Air Ecosystem from idea to realization

## **Bosnia & Herzegovina 2007**



- •Application Metallic Silicon Furnace
- •Site JAJCE
- •Customer METALLEGHE-B.S.I.
- •Scope of supply Suction Ducts, Cyclons, Bag Filter, dust transport & storage system, fan, stack
- •Flow rate 3 x 250.000 Am<sup>3</sup>/h @ 130°C



METALLEGHE-B.S.I.- Bosnia & Herzegovina



METALLEGHE-B.S.I.- Bosnia & Herzegovina

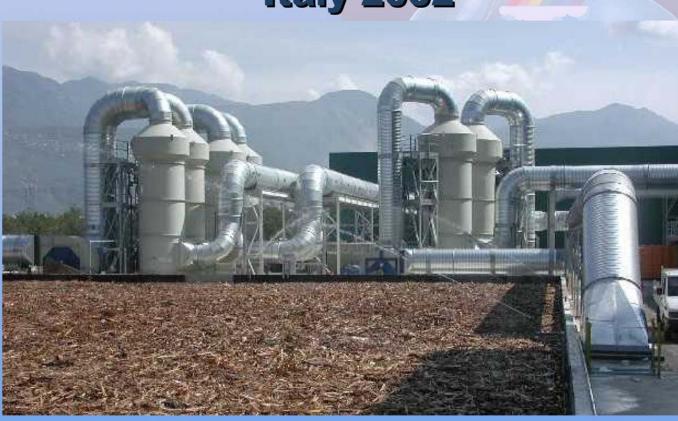
## **Bosnia & Herzegovina 2004**



<ul> <li>Application</li> </ul>	Foundry – 2 x Electric Furnaces	
•Site	BANJA-LUKA	
•Customer	IMP LIVAR	
•Scope of supply	Suction Ducts, Bag Filter, 2 x fans, stack.	

•Flow rate 168.000 Am3/h @ 40°C





- Application RSU Storage Buildings Dedusting & De-Odorization (12 plants)
   Site REGIONE CAMPANIA
   Customer FISIA ITALIMPIANTI
   Scope of supply Suction Ducts, Bag Filters, Vertical Scrubber, Carbon Filters, Bio-Filters, fans, stacks.
   Flow rate 2x5.000, 2x6.000, 4x44.000, 1x50.000, 1x76.000, 1x84.000, 1x88.000 Am<sup>3</sup>/h @ 40°C

### **Italy 2001**





<ul> <li>Application</li> </ul>	Biomass	(Rice	Husks)	Boiler

•Site PAVIA (RISO SCOTTI)

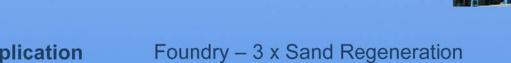
Customer
 COMEF GROUP

•Scope of supply Cyclone, Bag Filter with by-pass & pressurization system, lime storage & injection with Reactor, fan, stack.

•Flow rate 153.500 Am<sup>3</sup>/h @ 180°C

### **Italy 1998**





- Application
- CRESCENTINO Site
- Customer FATA ALUMINUM x TEKSID
- •Scope of supply Suction Ducts, Heat Exchangers, Bag Filters, fans, stacks.
- 130.000 + 2 x 107.000 Am<sup>3</sup>/h @ 40°C Flow rate



# Air Ecosystem flange to flange equipments supply

- Assessment of the air filtration need jointly with the client
- On site inspections and consulting
- Dedicated solutions and engineering
- Feasibility study
- Manufacturing of equipments with our/local suppliers
- Manufacturing of other plant components
- Erection phase
- Start-up and performance test
- Operational and maintenance training
- Spare parts and after sales service

by Air Ecosystem **On request** by Air Ecosystem **On request** by Air Ecosystem by Client by Client by Client **On request** On request

#### Flange to Flange Equipment Application

## France 2011



<ul> <li>Application</li> </ul>	Foundry	Sand Regeneration	
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- •Site LAIGNEVILLE
- •Customer MONTUPET
- •Scope of supply Pre Separator, Heat Exchanger, Bag Filter, Fan.
- •Flow rate 72.000 Am<sup>3</sup>/h @ 111°C

#### Flange to Flange Equipment Application

## **Italy 2006**





Application

RSU Incinerator - RSU Storage Building De-Odorization

- •Site PARONA-LOMELLINA (PAVIA)
- •Customer FOSTER WHEELER ITALIANA

•Scope of supply Vertical Scrubbers, Fan.

•Flow rate 160.000 Am<sup>3</sup>/h @ 20°C

# 3° Air Ecosystem core components & engineering supply

- Assessment of the air filtration need jointly with the client
- On site inspections and consulting
- Dedicated solutions and engineering
- Feasibility study
- Manufacturing and supplying of core components of the equipments
- Manufacturing of other equipment and plant components
- Erection phase
- Start-up and performance test
- Operational and maintenance training
- Spare parts and after sales service

by Air Ecosystem On request by Air Ecosystem On request by Air Ecosystem

by Client

by Client

On request

On request

#### **Core components & Engineering Application**

### **USA 2011**



•Application Complete Aluminium Foundry

•Site BEDFORD

•Customer FATA ALUMINUM x GENERAL MOTORS

•Scope of supply Cooling Garage, Suction Ducts, Heat Exchanger, Horizontal Cyclon, Bag Filters, fans, stacks.

•Flow rate 71.000 Am3/h @ 100°C, 95.000 @ 55°C, 78.000 @ 200°C.

#### **Core components & Engineering Application**

### SRI LANKA 2006





<ul> <li>Application</li> </ul>	Biomass (Rice Husks) Boiler
•Site	TRINCONMALEE

•Customer TOKYO CEMENT

•Scope of supply Bag Filter with by-pass & pressurization system, lime storage & injection with Reactor, fan, stack.

•Flow rate 154.320 Am3/h @ 180°C



#### **TOKYO CEMENT - SRI LANKA 2006**

# **ON SITE TO YOUR SIDE**

- Supervision during construction, assembling, commissioning & starting
- Service and maintenance
- Staff training

# **ASSISTANCE & AFTER SALE SERVICE**

- •Professional and efficient customer service
- Fast and effective problem

solutions

- Immediate intervention on site if required
- On site assistance



# **HIGH VARIETY OF INDUSTRIAL SECTORS**



**STEEL PLANTS** 

ENERGY PRODUCTION FROM RENEWABLE BIOMASSES

WASTE INCINERATORS

CAST IRON, STAINLESS STEEL AND NON FERROUS FOUNDRY

**MINING INDUSTRY** 

**MECHANICAL INDUSTRY** 

**GLASSWORKS** 

CHEMICAL & PHARMACEUTICAL INDUSTRY

> PUBLIC TRANSPORT COMPANIES

**RUBBER INDUSTRY** 

**FOOD & BEVERAGE INDUSTRY** 

