

centriair 

WELCOME TO A NEW ERA OF PRECISION AIR TREATMENT.



**FOOD
FRYING**

PARTICLE AND ODOUR FREE RESULT

Cleaner Air. Fewer Resources.

Separate Oil Particles

Recover Energy

Eliminate Odour



THE SMARTER WAY TO CLEAN AIR

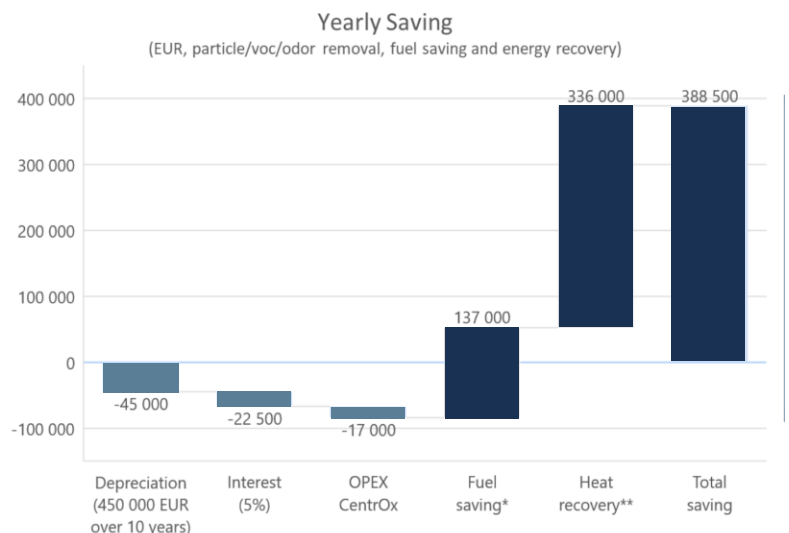
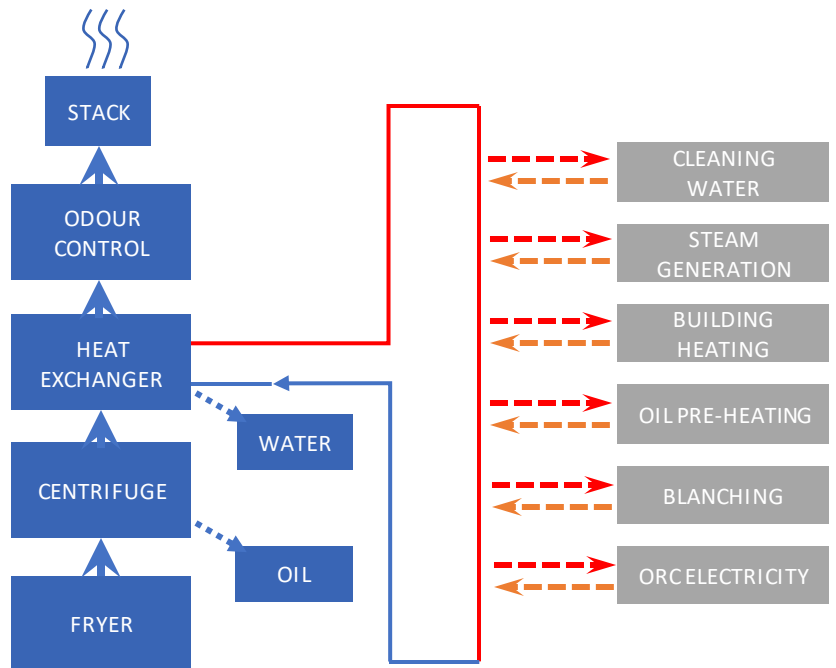
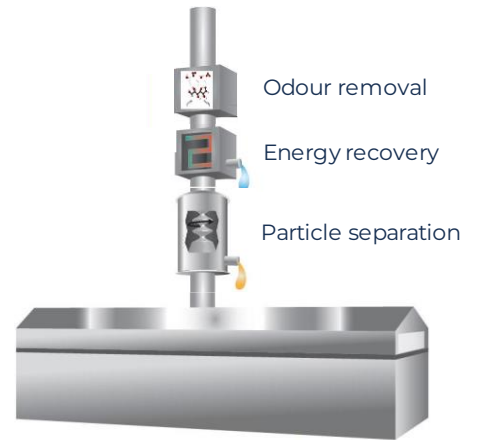
Centriair advanced separation technologies remove harmful particles and separate aerosols, some of which can be captured and reused in industrial processes

Strongest applications include but are not limited to:

- Potato frying
- Meat frying
- Chicken frying
- Fish frying
- Coffee roasting
- Malt roasting

Discover the next generation of precision air treatment

The design principle behind the system is to recover as many resources as possible while maintaining high odour reduction results. This is done by recovering oil during the particle separation stage and recovering water and energy via unique lamella type heat exchangers.



Every gas has it's weakness – we target it with precision

Particle separation - The centrifugal separator separates fluid particles with a disc stack. The centrifuge separates 100% of all the particles down to 1µm along with a percentage of the smaller particle sizes.

Energy recovery – The unique lamella type heat exchangers recover the most amount of energy compared to traditional and less efficient tube and shell heat exchangers

VOC and odour removal - The centrifugal separator is followed by the ColdOx® reactor that oxidizes VOCs and eliminates odour.

100%
PARTICLE
SEPARATION

UP TO 4
MW
ENERGY
RECOVERY

> 95%
ODOUR
REDUCTION

1 – 2 YEARS
ROI

Cargill

Wolverhampton, UK

Exhaust gas treatment from **chicken frying line** and oven

14.000 m³/h

CentrOx™ System



Estrella

SWE

Particle, odor removal and energy recovery. **Crisp Frying**

24.000 m³/h

CentrOx™ System + energy recovery



Mydibel

Mouscron, Belgium

Exhaust gas treatment for **french fries frying line**

8.000 m³/h

CentrOx™ System



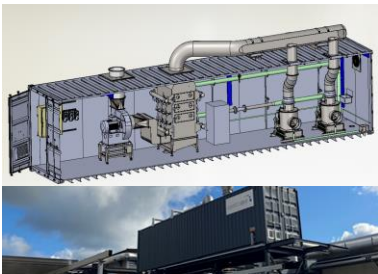
Orkla Chips Oy

Suomi, FIN

Energy recovery and odor removal, **snack frying**

3.500 m³/h

CentrOx™ System + Energy recovery



Pickenpack

Riepe, GER

Exhaust gas treatment from **fish fillet frying line**

3.500 m³/h

CentrOx™ System

Lutosa

Waregen, BE

Exhaust gas treatment for **French frying line**

9.000 m³/h

ColdOx™ System

Kellogg's Pringles

Angered, SWE

Exhaust gas treatment for **pellet frying line**

Kuala Lumpur, MY

CentrOx™ System

Mondeléz International

Particle removal and energy recovery from **crisp frying line**

15.000 m³/h

Advanced centrifugal separation, heat recovery

**SAVE ENERGY,
SPACE AND
COSTS**

**WITH THE
WORLD'S MOST
EFFICIENT
INDUSTRIAL
AIR TREATMENT
TECHNOLOGIES**

Stable Odour
Elimination

Complies with
typical emission
levels of the
IPPC (EU)

Limited and
foreseeable
maintenance

Operates 24/7
for long periods
without service

Compact
installation

Modular design
– prepared for
upgrades

ASK US ABOUT



ENERGY RECOVERY

PILOT TESTS

ODOUR ANALYSIS

OIL MIST REMOVAL

PREFAB CONTAINER SOLUTIONS



SOLID WASTE **ODOUR**
REMOVAL
CHEMICAL
PROCESSING
BIOGAS **FOOD PROCESSING**
WASTE WATER

SOLID WASTE **ODOUR**
REMOVAL
CHEMICAL
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WASTE WATER



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